FOOD SAFETY AND INSPECTION SERVICE

2004 FSIS NATIONAL RESIDUE PROGRAM DATA

TABLE OF CONTENTS

	Page
Preface, Contacts, and Acknowledgements……..	v
Introduction ……..……..	vi
Components of the FSIS National Residue Program……	viii
Domestic Sampling Plan……	viii
Import Reinspection Sampling Plan……..	ix
Estimated Livestock, Poultry, and Egg Product Consumption Data…….	xi
Definitions of Production Classes…….	xiii
Summary of Domestic Data……..	1
Comparison of Number of Tests Performed Under Monitoring, Enforcement, Surveillance, and Exploratory Programs……	4
Summary of Import Data……	8
Domestic Results……	9
Monitoring Results (Condensed and Reformatted)…….	9
Antibiotics……...	9
Sulfonamides……..	11
Arsenic..…….	13
Chlorinated hydrocarbons (CHCs), chlorinated organophosphates (COPs), & Phenylbutazone……..	14
Avermectins……	16
Chloramphenicol…….	17
Carbadox…….……	17
Flunixin……...	18
beta-agonists…….....	18
Florfenicol…….....	19
Phenylbutazone (ELISA)…….	19
Melengestrol acetate…….....	20
Monitoring Data from FSIS Database …..……..	21
Production Class Data…….	21
Compound Class Data…….	66

Enforcement (Inspector Generated) Results…… 116

Samples Screened In-plant and Confirmed in an FSIS Laboratory
Swab-Test on Premises (STOP)……. 116
Fast Antimicrobial Screen Test (FAST)……. 119

Samples Analyzed only in an FSIS Laboratory…….. 122
Antibiotics and sulfonamides……. 122
Flunixin……... 124
Arsenic……. 124
Diethystilbestrol and zeranol …….. 124
CHCs /COPs……..... 124
Phenylbutazone…….. 124
Ractopamine…….. 124
Sulfonamides……. 124

Surveillance Results……. 125

Sulfa-on-Site (SOS)…….. 125
Fast Antimicrobial Screen Test (FAST) for bob veal…… 125
Show animals……... 125

Exploratory Results……. 126

Market hogs in very small plants…….. 126
Equine…….. 127
FAST – Flunixin……. 128
Non-steroidal anti-inflammatory compounds…… 131
Environmental contaminants…….. 132

Amendment to 2000 National Residue Data Book …… 150

Import Reinspection Results…… 151

Normal……. 151
Increased…….. 160
Intensified…… 161

Appendix I U.S. Residue Limits for Veterinary Drugs, Food Additives, and Unavoidable Contaminants in Meat, Poultry, and Egg Products... AI-1

Appendix II U.S. Residue Limits for Pesticides in Meat, Poultry, and Egg Products…… AII-1

Appendix III Analytical Methods……. AIII-1

Appendix IV Statistical Table…….. AIV-1

PREFACE

The "2004 Food Safety and Inspection Service (FSIS) National Residue Program Data" publication (the 'Red Book') explains FSIS chemical residue sampling plans and presents National Residue Program (NRP) testing results by calendar year. [For those reading this electronically, this document has been commonly known as the "Red Book" because the covers of the printed versions are red.] In addition, the following appendices are included for the convenience of the reader: Appendix I, *U.S. Residue Limits for Veterinary Drugs, Food Additives and Unavoidable Contaminants in Meat, Poultry, and Egg Products;* Appendix II, *U.S. Residue Limits for Pesticides in Meat, Poultry, and Egg Products;* Appendix III, *Analytical Methods;* and Appendix IV, *Statistical Table* .

CONTACTS AND COMMENTS

The Residue Branch (RB), Zoonotic Diseases and Residue Surveillance Division (ZDRSD), Office of Public Health Science, FSIS, USDA, coordinated this effort and is responsible for the publication of this material. Questions about FSIS NRP should be directed to the USDA, FSIS, ZDRSD, 343 Aerospace Center, 1400 Independence Avenue, SW, Washington D.C. 20250-3700, telephone (202) 690-2683, and fax (202) 690-6565.

ACKNOWLEDGEMENTS

We would like to acknowledge Dr. Alice Thaler, Director, ZDRSD; Ms. Rita Kishore, Chief, RB, ZDRSD (former Branch Chief); and Dr. Harry Walker, Chief, RB, ZDRSD, who advised the working team for this project. In addition, we would like to thank Dr. Cindy Deyrup, and Ms. Margaret O'Keefe, RB, ZDRSD; Ms. JoAnn Hicks and Ms. Lily Chounlamountry, Laboratory Sample & Data Management Staff; Patricia Saunders, Data Analysis and Statistical Support Staff; and Katrine Pritchard, Management Support Staff.

Principal Authors

Dr. Doritza Pagan-Rodriguez	USDA/FSIS/OPHS/ZDRSD
Dr. William Sutton	USDA/FSIS/OPHS/ZDRSD
Ms. Penny Zervos	USDA/FSIS/OPHS/ZDRSD

INTRODUCTION

The Food Safety and Inspection Service (FSIS), the U.S. Department of Agriculture's public health regulatory agency, works with the Environmental Protection Agency (EPA) and the Department of Health and Human Service's, Food and Drug Administration (FDA), to control veterinary drug, pesticide, and contaminant residues in meat, poultry, and egg products. Residue control is a cooperative effort. EPA and FDA have statutory authority for establishing residue tolerances*, and FSIS, through the National Residue Program (NRP) tests animal tissues and egg products to verify that tolerance levels are not violated.

FDA, under the Federal Food Drug and Cosmetic Act, establishes tolerance levels for veterinary drugs, food additives, and unavoidable contaminants. EPA, through the Federal Insecticide, Fungicide and Rodenticide Act (as modified by the Food Quality Protection Act), sets tolerance levels for registered pesticides. For cancelled pesticides, action levels (similar to tolerances, but less formal) are established by FDA or FSIS, based on recommendations that EPA published in the Federal Register. FDA and EPA also have the authority to ensure compliance with established tolerance levels.

FSIS protects consumers from chemical residues by analyzing meat, poultry, and egg products, and by preventing product adulterated with chemical residues from entering the food supply. This authority is provided under the Federal Meat Inspection Act, the Poultry Products Inspection Act, and the Egg Products Inspection Act. FSIS regulations are published in Title 9 of the Code of Federal Regulations (9 CFR), chapter III.

Since 1967, FSIS has administered the NRP to collect data on chemical residues in domestic and imported meat, poultry, and egg products. The NRP is designed to provide: (1) a structured process for identifying and evaluating compounds of concern by production class; (2) the capability to analyze for compounds of concern; (3) appropriate regulatory follow-up of reports of violative tissue residues; and (4) collection, statistical analysis, and reporting of the results of these activities.

With the implementation of the Hazard Analysis and Critical Control Points (HACCP) inspection system, another important component of the NRP is to provide verification of residue control in HACCP systems. As part of the HACCP regulation, slaughter and production establishments are required to identify all chemical residue hazards that are reasonably likely to occur, and develop systems to guard against them. A vigilant chemical residue prevention program is essential to foster the prudent use of drugs and pesticides in food animals. In 1999, the NRP was modified to make residue evaluation more consistent with risk assessment principals.

The NRP includes a variety of sampling plans to prevent violative residues from entering the food supply. The range of chemical compounds evaluated for inclusion in the various NRP sampling plans is comprehensive. It includes approved and unapproved veterinary drugs and pesticides known or suspected to be present in domestic food animals and egg products or in imported meat, poultry and egg products. It also includes other xenobiotic and naturally

occurring compounds that may appear in meat, poultry, and egg products that may pose a potential human health hazard.

A violation in a production class (food animal or egg product) occurs when a chemical residue is found and the residue is in excess of an established tolerance. When a violative chemical residue is detected in an animal presented for slaughter or in an egg product, FSIS condemns the adulterated product. If the product has been distributed into commerce, it is subject to a voluntary recall. FSIS notifies FDA of the violation and assists in obtaining the names of producers and, in the case of food animal products, other parties involved in offering the animals for sale. FDA and cooperating state agencies will follow-up with educational visits.

If a problem is not corrected, subsequent FDA visits could result in enforcement action, including prosecution. FSIS posts a Repeat Violator List on the agency web site, listing the names and addresses of parties FDA has determined are responsible for more than one drug, pesticide, or other chemical residue violation in a 12-month period. The list provides information helpful to processors and producers working to avoid residue contamination and serves as a deterrent for violators, while enabling FSIS to make better use of resources.

Data gathered in the NRP is used to verify the safety of meat, poultry, and egg products in the United States. The program helps FSIS, FDA, and EPA enforce Federal laws and regulations, and assists in the design of programs to enhance the nation's residue control programs.

*Tolerance levels established by FDA are published in 21 CFR.
Tolerance levels established by EPA are published in Title 40 CFR.

COMPONENTS OF THE NATIONAL RESIDUE PROGRAM

The National Residue Program sampling plans address chemical and veterinary drug residues in domestic and imported food animals and egg products. All products, whether domestic or imported, must fall within tolerance levels set by FDA and EPA.

DOMESTIC SAMPLING PLAN

The domestic sampling plan ensures that egg products and products from food producing animals in the United States comply with residue regulations. Sampling of meat, poultry and egg products also verifies that HACCP systems address residue control.

There are four components of the domestic residue sampling plan: Monitoring, Enforcement, Surveillance, and Exploratory sampling (the nomenclature and definitions of these components will be changed for the 2005 National Residue Program). FSIS enters sampling results into the Microbiological and Residue Computer Information System (MARCIS). Data in MARCIS are used to develop future residue testing programs; create educational information for food producers; and provide agencies with information needed to take appropriate action on sample results.

Monitoring

Monitoring samples provide information on the prevalence of chemical residues in domestic food animals and egg products. FSIS schedules inspectors to collect tissue samples from randomly selected food animals that have passed ante- and post-mortem inspections, or from egg products that have passed inspection. Products are not retained pending laboratory analysis. If results indicate a potential public health concern, products may be subject to recall.

Data obtained by monitoring sampling are used to evaluate residue trends. For example, if data indicate a compound is being abused, a targeted sampling program may be instituted.

Enforcement

Enforcement sampling is conducted when an inspector identifies a specific animal as suspect for residue violations. An inspector may deem an animal suspect because of historical information on a production class, or based on ante- and post-mortem inspections.

FSIS inspectors can screen samples for the presence of antibiotics or sulfonamides using two in-plant tests:

- The Swab Test on Premises (STOP) is approved for use in all production classes to detect the presence of antibiotic and sulfonamide drug residues in kidney tissues; and
- The Fast Antimicrobial Screen Test (FAST) is approved for use in bovine to detect the presence of antibiotic and sulfonamide drug residues in kidney tissues.

When an in-plant screen test detects a positive sample, a confirmation test is conducted at an FSIS laboratory. If an in-plant test is not available, or if the presence of a chemical residue that cannot be detected by STOP or FAST is suspected, the appropriate tissue samples are sent directly to the FSIS laboratory. Carcasses sampled for enforcement testing are retained pending laboratory results. If a violative level is found, the carcass is deemed adulterated and is condemned.

Surveillance

Surveillance sampling is scheduled based on a regulation or agency policy implemented to address residue concerns in a specific population. Data collected by surveillance sampling, measures the extent of a chemical residue problem in a suspect population or product. Data are periodically evaluated to determine whether interventions have led to a reduction in the occurrence of residues. Depending on the weight of evidence that led to testing, sampled carcasses may or may not be held pending laboratory results.

Exploratory

Exploratory sampling is for information gathering. Exploratory sampling studies the occurrence of residues for which no tolerance has been established; evaluates new methods and approaches for monitoring sampling; and provides information to supplement the monitoring program.

IMPORT SAMPLING PLAN

Imported meat, poultry, and egg products are sampled at port of entry into the United States to detect chemical residues. Port of Entry Reinspection is a monitoring program conducted to verify the equivalence of inspection systems in exporting countries. The chemical residue sampling program is one of several “types of inspection” (TOI) conducted during FSIS reinspection of imported products. All imported products are subject to reinspection and one or more TOIs are conducted on every lot of product before it enters the United States. The import sampling plan comprises all substance and species combinations included in the domestic sampling plan.

There are three levels of residue reinspection:

- Normal sampling, which is defined as random sampling from a lot;
- Increased sampling, which is defined as above the normal sampling as the result of an agency management decision; and
- Intensified sampling, which is defined as occurring when a previous sample for a type of inspection failed to meet U.S. requirements.

For both normal and increased sampling, the lot is not required to be retained pending laboratory results; however, the importer may choose to retain the lot pending the laboratory results. For intensified sampling, the lot must be held pending laboratory results. The data obtained from laboratory analysis are entered into the Automated Import Information System (AIIS), an FSIS data base that is designed to generate reinspection assignments, receive and store results, and compiles histories for the performance of foreign establishments certified by the inspection system in the exporting country.

ESTIMATED LIVESTOCK, POULTRY, AND EGG PRODUCT CONSUMPTION DATA

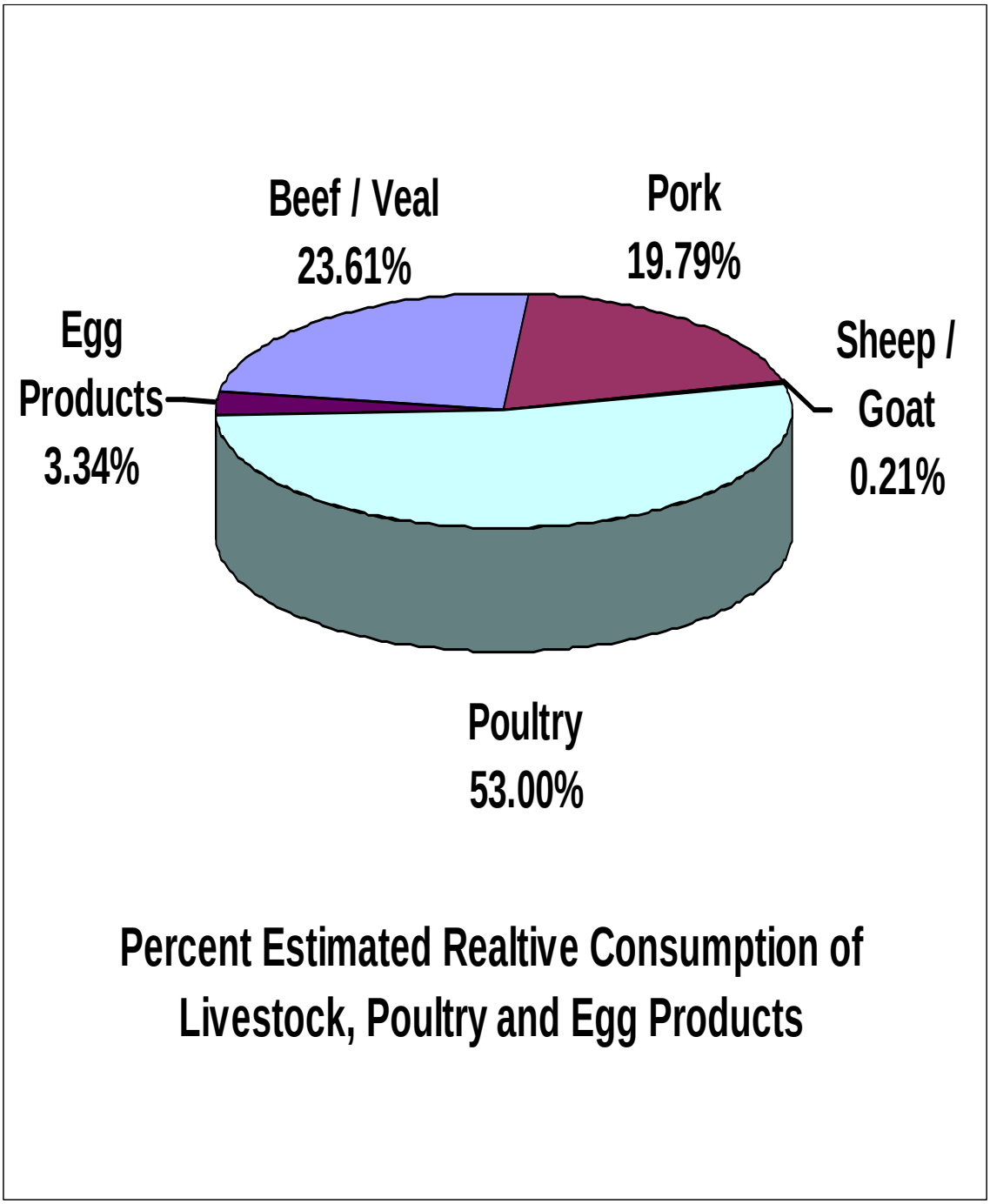
Table 1 and Chart 1 present *2004 Consumption Data*, including the number of head slaughtered or eggs processed, pounds per animal (dressed weight), total pounds (dressed weight), and the percent estimated relative consumption of domestic and exported product for each production class.

Table 1
2004 Consumption Data

Production Class	Number of Head Slaughtered	Pounds per Animal (dressed weight)	Total Pounds (dressed weight)	Percent Estimated Relative Consumption
Bulls	564,374	893	503,985,982	0.493
Beef cows	2,714,939	607	1,647,968,270	1.611
Dairy cows	2,371,693	607	1,439,617,354	1.407
Heifers	10,278,227	733	7,533,940,391	7.366
Steers	16,055,167	801	12,860,188,767	12.573
Bob veal	268,863	75	20,164,725	0.020
Formula-fed veal	488,794	245	119,754,530	0.117
Non-formula-fed veal	30,412	350	10,644,200	0.010
Heavy calves	42,432	400	16,972,800	0.017
SUBTOTAL, CATTLE	**32,814,901**		**24,153,237,019**	**23.614**
Market hogs	97,871,338	195	19,084,910,910	18.659
Roaster pigs	550,243	70	38,517,010	0.038
Boars/Stags	311,394	228	70,997,832	0.069
Sows	3,330,754	314	1,045,856,756	1.023
SUBTOTAL, SWINE	**102,063,729**		**20,240,282,508**	**19.789**
Sheep	2,516,611	69	173646159	0.170
Lambs	143,981	66	9,502,746	0.009
Goats	558,703	50	27,935,150	0.027
SUBTOTAL, OVINE	**3,219,295**		**211,084,055**	**0.206**
Horses	65,200	500	32,600,000	0.032
Bison	26,213	610	15,989,930	0.016
TOTAL, ALL LIVESTOCK	**138,189,338**		**44,653,193,512**	**43.657**
Young chickens	8,73,3807,919	Not reported	46,330,185,120	45.296
Mature chickens	142,990,154	Not reported	816,717,608	0.798
Young turkeys	249,359,852	Not reported	6,810,785,188	6.659
Mature turkeys	2,829,373	Not reported	75,276,157	0.074
Ducks	26,003,644	Not reported	174,223,959	0.170
Geese	268,297	Not reported	3,633,664	0.004
Other fowl (includes ratites)	1,381,173	Not reported	2,477,071	0.002
SUBTOTAL, POULTRY	**9,156,640,412**		**54,213,298,767**	**53.004**
Rabbits	340,096	Not reported	1,716,220	0.002
Egg products	Not applicable	Not applicable	3,413,857,390*	3.338
GRAND TOTAL, ALL PRODUCTION CLASSES			**102,282,065,889**	**100**

*** For Fiscal Year 2004**

Chart 1
2004 Consumption Data



DEFINITIONS OF FSIS PRODUCTION CLASSES

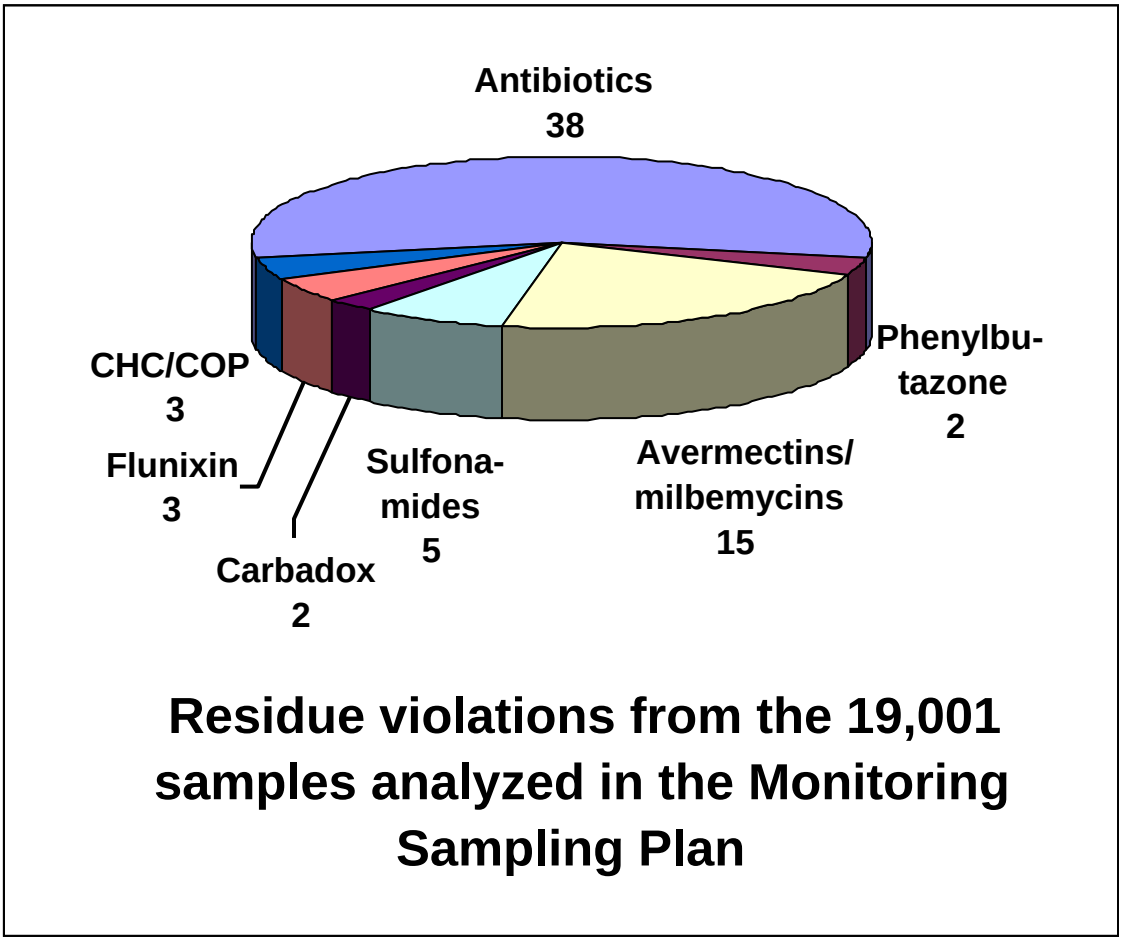
- Bulls are mature, uncastrated male cattle.
- Beef cows are mature female cattle bred for muscle development, ordinarily having given birth to one or more calves.
- Dairy cows are mature female cattle bred for milk production, ordinarily having given birth to one or more calves.
- Heifers are young, female cattle that have not yet given birth to a calf.
- Steers are male cattle castrated before sexual maturity.
- Calves/veal definitions are under FSIS review.
- Market hogs are swine usually marketed near six months of age and 200 to 300 pounds live weight.
- Boars are mature swine showing male sexual characteristics.
- Stags are male animals castrated after they have reached sexual maturity.
- Sows are mature female swine ordinarily having given birth to one or more litters.
- Sheep are mature animals of both sexes.
- Lambs are generally defined as sheep younger than 14 months and having a break joint in at least one leg.
- Goats are animals of both sexes and any age.
- Horses are animals of both sexes and any age.
- Other livestock include bison, deer, elk, etc.
- Young chickens include: broilers/fryers birds of both sexes that are usually less than 10 weeks of age; roasters, birds of both sexes usually less than 12 weeks of age; and capons, surgically castrated male birds usually less than 8 months of age.
- Mature chickens are adult female birds usually more than 10 months of age.
- Young turkeys include fryer/roaster birds that are of both sexes and usually less than 12 weeks of age, and include turkeys that are birds of both sexes usually less than 6 months of age.
- Mature turkeys are birds of both sexes and usually more than 15 months of age.
- Ducks are birds of both sexes and any age.
- Geese are birds of both sexes and any age.
- Other poultry include ratites (typically ostriches, emus and rheas), guineas, squabs (young, unfledged pigeons), adult pigeons, pheasants, grouse, partridge, quail etc.;
- Rabbits are any of several lagomorph mammals of both sexes and any age.
- Egg products are yolks, whites, or whole eggs after breaking and can are processed as dried, frozen, or liquid.

SUMMARY OF DOMESTIC DATA

MONITORING

Fifty nine (59) chemical residues from 13 compound classes of veterinary drugs and pesticides were analyzed. Of the 19,001 samples analyzed in 2004, 68 chemical residue violations were found. There were 38 antibiotics, 5 sulfonamides, 15 avermectins/ milbemycins, 3 chlorinated hydrocarbons /chlorinated organophosphates, 2 carbadox, 2 phenylbutazone, and 3 flunixin residue violations (see Chart 2). There were no residue violations in the testing for arsenic, chloramphenicol, florfenicol, *beta*-agonists, and melengestrol acetate.

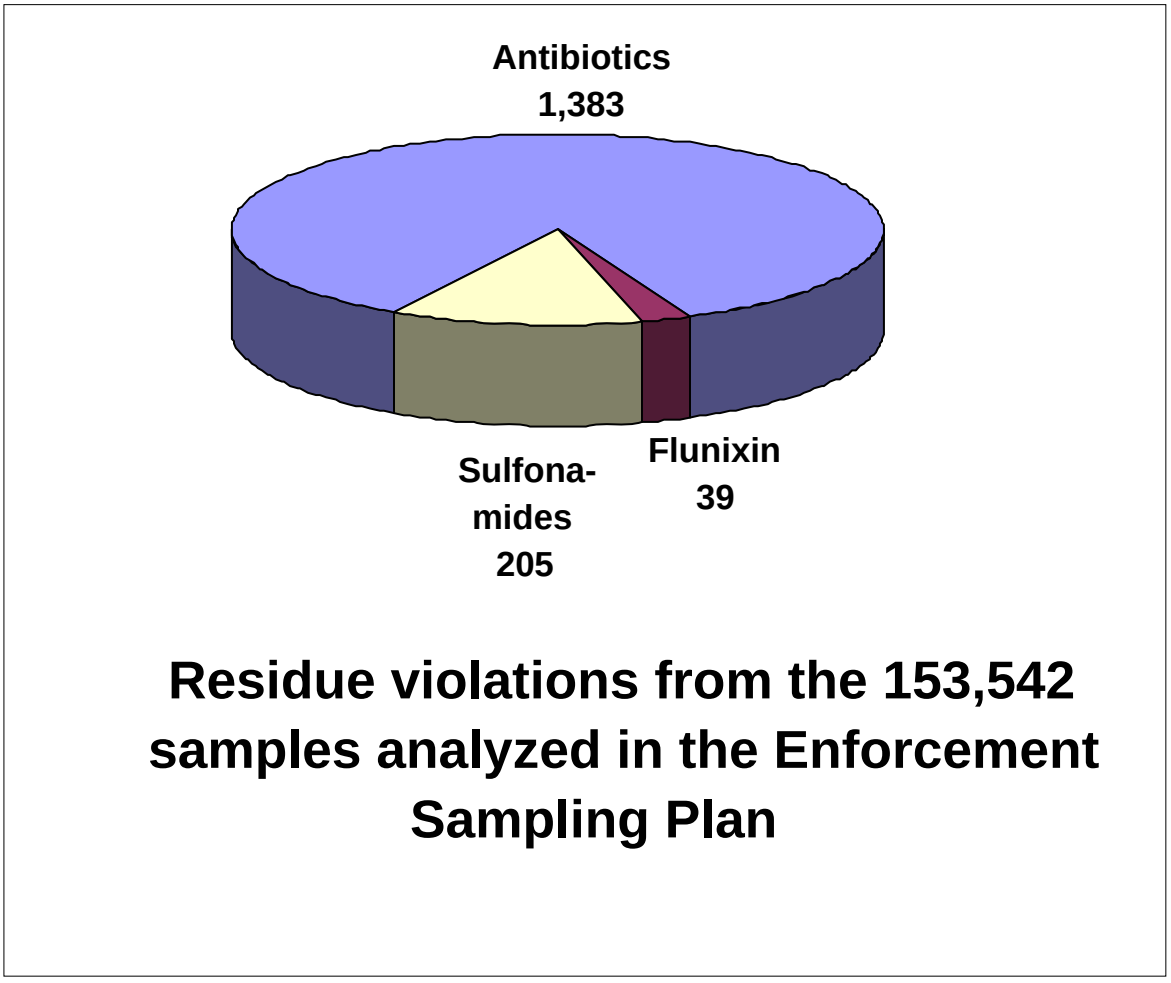
Chart 2



ENFORCEMENT

Seventy three (73) chemical residues from 8 compound classes of veterinary drugs and pesticides were analyzed. Of the 153,542 samples analyzed in 2004, 1,627 residue violations were found. There were 1,383 antibiotics, 39 flunixin, and 205 sulfonamides residue violations (see Chart 3). No violations were found in the testing for arsenicals, chlorinated hydrocarbons, chlorinated organophosphates, phenylbutazone, ractopamine, diethylstilbestrol, and zeranol.

Chart 3



SURVEILLANCE

Market Hogs – The Sulfa-On-Site (SOS) test was used to screen 141 market hogs for sulfonamides. There was 1 sulfamethazine residue violation.

Bob veal – The Fast Antimicrobial Screen Test (FAST) was used to screen 46,775 bob veal for antibiotics and sulfonamides. The total bob veal tested included both surveillance sampling (testing of a suspect population) and enforcement sampling (testing of suspect animals). Of the animals tested, 821 FSIS laboratory confirmed violations were found in 744 animals. There were 1 chlortetracycline, 48 penicillin, 5 tetracycline, 1 tylosin, 655 neomycin, 15 oxytetracycline, 31 gentamicin, 3 tilmicosin, 28 sulfadimethoxine, 26 sulfamethazine, 7 sulfamethoxazole, and 1 sulfathiazole residue violations.

Show animals - Sixty (60) show animals were tested. No violations were found in the 44 animals tested for *beta*-agonists. Eight (8) animals were tested for ractopamine (2 lambs and 6 market hogs) and no violations were found. Seven animals were tested for antibiotics and sulfonamides (2 lambs and 5 market hogs) and no violations were found. One (1) steer was tested for flunixin and no violation was found.

EXPLORATORY

Market Hogs – Antibiotic and sulfonamide testing was conducted on 675 market hogs. There were 5 sulfamethazine and 1 penicillin residue violations.

Horses – Seventeen (17) horses were sampled and tested for different analytes, including: antibiotics, avermectins, CHCs, COPs, phenylbutazone, flunixin, and sulfonamides. There were 2 penicillin and 1 phenylbutazone residue violations.

FAST-Flunixin – A total of 330 bovine samples, including bulls, beef cows, heifers, dairy cows, and bob veal, were tested for antibiotics, sulfonamides and flunixin. There were 5 gentamycin, 1 neomycin, 13 penicillin, 1 tilmicosin, 7 sulfamethoxine, and 14 flunixin residue violations.

Non-Steroidal Anti-inflammatory Drugs (NSAID) Compounds – One hundred and forty four (144) dairy cows were tested for NSAIDs (dipyrone, flunixin, and phenylbutazone). There were 7 flunixin residue violations.

Lead and Cadmium – Lead and cadmium testing was conducted on 507 dairy cows, 122 boars/stags, and 600 chickens. The results of the analyses are found on pages 132 to 149.

COMPARISON OF NUMBER OF TESTS PERFORMED UNDER MONITORING, ENFORCEMENT, SURVEILLANCE, AND EXPLORATORY

COMPARISON BY PRODUCTION CLASS

Table 2, *Comparison by Production Class*, presents the number of animals tested under monitoring, enforcement, surveillance, and exploratory sampling for each production class.

Table 2
Comparison by Production Class
2004 Domestic Sampling Plan

Production Class	Number of Tests under Monitoring	Number of Tests under Enforcement	Number of Tests under Surveillance	Number of Tests under Exploratory
Horses		117		69
Bovine				2
Bulls	857	682		1
Steers	1,101	5,241	14	2
Beef cows	1,407	6,656		6
Heifers	1,240	2,781	2	1
Dairy cows	1,757	85,067		1,473
Bob veal	741	46,776[1]		1
Formula-fed veal	950	692		
Non-formula-fed veal	474	49		
Heavy calves	728	573		
Calves				
Mature sheep	229	16		
Lambs	697	267	12	
Goats	522	31		
Porcine				

[1] The total analyzed includes both surveillance testing (testing of a suspect population) and enforcement testing (testing of suspect animals)

Table 2 – *continued*
Comparison by Production Class
2004 Domestic Sampling Plan

Production Class	**Number of Tests under Monitoring**	**Number of Tests under Enforcement**	**Number of Tests under Surveillance**	**Number of Tests under Exploratory**
Market hogs	2,577	3,490	173	1,349
Boars/Stags	816	45		244
Sows	504	1,046		
Roaster pigs	188	2		
Bison				
Chickens		9		
Young chickens	1,677			
Mature chickens	486			1,200
Turkeys				
Young turkeys	887			
Mature turkeys	275			
Ducks				
Geese				
Squab				
Ratites				
Rabbits				
Egg products	888	2		
Other				
Total	**19,001**	**153,542**	**201**	**4,348**

COMPARISON BY COMPOUND CLASS

Table 3, *Comparison by Compound Class*, presents the number of tests performed under monitoring, enforcement, surveillance, and exploratory sampling for each compound class.

Table 3
Comparison by Compound Class
2004 Domestic Sampling Plan

Compound Class	Number of Tests under Monitoring	Number of Tests under Enforcement	Number of Tests under Surveillance	Number of Tests under Exploratory
Antibiotics	4,270			689
Antibiotics and Sulfonamides		51	7	
Antibiotics, Sulfonamides, and Non-steroidal anti-inflammatory drugs		153,406		330
Sulfonamides	3,981	5	141	692
Arsenic	1,293	5		
Cadmium				1,228
Lead				1,228
CHCs/COPs/PCBs/Phenylbutazone	5,272	1		15
Phenylbutazone (with ELISA Method)	702	1		48
Dipyrone				49
Avermectins/Milbemycins	931			17
Chloramphenicol	1,024			
Melengestrol acetate	238			
Beta-agonists	776		44	
Carbadox	188			
Ractopamine		2	8	
Flunixin	213	1	1	52

Table 3 - *continued*
Comparison by Compound Class
2004 Domestic Sampling Plan

Compound Class	**Number of Tests under Monitoring**	**Number of Tests under Enforcement**	**Number of Tests under Surveillance**	**Number of Tests under Exploratory**
Florfenicol	113			
DES/Zeranol		70		
Total	**19,001**	**153,542**	**201**	**4,348**

SUMMARY OF IMPORT DATA

The United States imported approximately 4,214,561,463 pounds of fresh and processed meat, poultry, and egg products. These products were imported from 24 of the 28 countries eligible for exportation to the United States. The import testing program included analysis of 50 chemical residues from 9 compound classes of veterinary drugs and pesticides. No violations were found in the 3,413 reported results.

NORMAL

Nine (9) compound classes of veterinary drugs and pesticides were tested. From these nine compound classes approximately 50 residues were analyzed. No violations were found in the 3,380 samples analyzed.

INCREASED

Three (3) compound classes of veterinary drugs and pesticides were tested. From these three compound classes approximately 40 residues were analyzed. No violations were found in the six samples analyzed.

INTENSIFIED

Seven (7) compound classes of veterinary drugs and pesticides were tested. From these seven compound classes approximately 50 residues were analyzed. No violations were found in the 27 samples analyzed.

DOMESTIC RESULTS

DOMESTIC MONITORING RESULTS (CONDENSED AND REFORMATTED)

Condensed and reformatted results of domestic monitoring sampling are presented in two tables for each compound class tested unless there is only one compound in the class, then the second table is not necessary. The first table (a) states the total number of animals analyzed (or the number of composite samples in the case of poultry), the number of non-violative positives (compounds detected at a level equal to or below the established tolerance), the number of violations, and the percent violations for each compound class. Since analyses for multiple compounds can be performed on the same sample, one sample (one animal or a composite from one poultry flock) could have more than one violation. The second table (b) presents the specific compounds that were detected within the compound class.

ANTIBIOTIC RESULTS

FSIS analyzed 4,270 samples for antibiotic residues. Thirty-eight (38) violations were detected in 38 animals from several production classes. There were 6 penicillin, 3 tilmicosin, 25 neomycin, and 4 gentamicin residue violations. Table 4a, *Antibiotics*, presents testing results by production class. Table 4b, *Specific Antibiotic Violative Residues*, presents the specific antibiotics detected.

Table 4a
Antibiotics
2004 FSIS Domestic Monitoring Results

Production Class	Number of Analyses	Number of non-violative positives	Number of violations	Percent violations	95 percent confidence interval
Beef cows	323	1	0	0.0	(0,1.14)
Heifers	469	0	1	0.2	(0.01,1.18)
Dairy cows	439	4	3	0.7	(0.14,1.98)
Bob veal	377	3	17	4.5	(2.65,7.12)
Formula-fed veal	111	12	8	7.2	(3.16,13.71)

Table 4a - *continued*
Antibiotics
2004 FSIS Domestic Monitoring Results

Production Class	Number of Analyses	Number of non-violative positives	Number of violations	Percent violations	95 percent confidence interval
Non-formula-fed veal	97	2	3	3.1	(0.64,8.77)
Heavy calves	141	1	2	1.4	(0.17,5.03)
Lambs	222	2	0	0.0	(0,1.65)
Market hogs	948	52	0	0.0	(0,0.39)
Boars/Stags	245	6	1	0.4	(0.01,2.25)
Sows	256	3	2	0.8	(0.09,2.79)
Young chickens	364	1	1	0.3	(0.01,1.52)
Mature chickens	278	0	0	0.0	(0,1.32)
Total	**4,270**	**87**	**38**		

Table 4b
Specific Antibiotic Violative Residues
2004 FSIS Domestic Monitoring Results

Production Class	**Antibiotic Compounds**				**Total**
	Penicillin	**Tilmicosin**	**Neomycin**	**Gentamicin**	
Dairy cows	3	0	0	0	**3**
Heifers	0	0	0	1	**1**
Bob veal	1	1	15	0	**17**
Formula-fed veal	1	0	7	0	**8**
Non-formula-fed veal	0	1	2	0	**3**
Sows	1	0	0	1	**2**
Heavy calves	0	1	0	1	**2**
Boars/Stags	0	0	0	1	**1**
Young chickens	0	0	1	0	**1**
Total	**6**	**3**	**25**	**4**	**38**

SULFONAMIDE RESULTS

FSIS analyzed 3,981 samples for sulfonamides. Five (5) violations were detected in five animals from several production classes. There were 1 sulfadimethoxine, 3 sulfamethazine, and 1 sulfathiazole residue violations. Table 5a, *Sulfonamides,* presents testing results by production class. Table 5b, *Specific Sulfonamides Violative Residues,* presents the specific sulfonamides detected.

Table 5a
Sulfonamides
2004 FSIS Domestic Monitoring Results

Production Class	Number of Analyses	Number of non-violative positives	Number of violations	Percent violations	95 percent confidence interval
Bulls	317	0	0	0.0	(0,1.16)
Steers	319	0	0	0.0	(0,1.15)
Beef cows	295	1	0	0.0	(0,1.24)
Dairy cows	296	0	0	0.0	(0,1.24)
Bob veal	364	1	1	0.3	(0.01,1.52)
Formula-fed veal	152	0	0	0.0	(0,2.4)
Non-formula-fed veal	143	0	0	0.0	(0,2.55)
Heavy calves	268	0	0	0.0	(0,1.37)
Lambs	230	0	0	0.0	(0,1.59)
Market hogs	910	0	3	0.3	(0.07,0.96)
Boars/Stags	319	1	0	0.0	(0,1.15)
Mature turkeys	69	0	1	1.4	(0.04,7.81)
Egg products	299	0	0	0.0	(0,1.23)
Total	**3,981**	**3**	**5**		

Table 5b
Specific Sulfonamide Violative Residues
2004 FSIS Domestic Monitoring Results

Production Class	Sulfonamide Compounds			Total
	Sulfadimethoxine	**Sulfamethazine**	**Sulfathiazole**	
Bob veal	0	1	0	**1**
Market hogs	0	2	1	**3**
Mature turkeys	1	0	0	**1**
Total	**1**	**3**	**1**	**5**

ARSENIC RESULTS

FSIS analyzed 1,293 samples for arsenic and no violations were detected. Table 6a presents testing results by production class.

Table 6a
Arsenic
2004 FSIS Domestic Monitoring Results

Production Class	Number of Analyses	Number of non-violative positives	Number of violations	Percent violations	95 percent confidence interval
Goats	68	0	0	0.0	(0,5.28)
Young chickens	547	248	0	0.0	(0,0.67)
Young turkeys	377	14	0	0.0	(0,0.97)
Egg products	301	0	0		(0,1.22)
Total	**1293**	**262**	**0**		

CHLORINATED HYDROCARBONS, CHLORINATED ORGANOPHOSPHATES, POLYCHLORINATED BIPHENYLS, and PHENYLBUTAZONE RESULTS

FSIS laboratories analyzed 5,272 samples for chlorinated hydrocarbons and chlorinated organophosphates, and phenylbutazone residues and 3 violations were detected: 1 DDT and 2 halowax. Table 7a, *Chlorinated Hydrocarbons, Chlorinated Organophosphates, Polychlorinated Biphenyls, and Phenylbutazone* presents testing results by production class. Table 7b, *Specific Chlorinated Hydrocarbons, Chlorinated Organophosphates, Polychlorinated Biphenyls, and Phenylbutazone* presents the specific residue detected.

Table 7a
Chlorinated Hydrocarbons, Chlorinated Organophosphates, Polychlorinated Biphenyls, and Phenylbutazone
2004 FSIS Domestic Monitoring Results

Production Class	Number of Analyses	Number of non-violative positives	Number of violations	Percent violations	95 percent confidence interval
Bulls	263	11	0	0.0	(0,1.39)
Steers	432	11	0	0.0	(0,0.85)
Beef cows	315	8	0	0.0	(0,1.16)
Heifers	442	4	0	0.0	(0,0.83)
Dairy cows	305	19	0	0.0	(0,1.2)
Formula-fed veal	263	0	0	0.0	(0,1.39)
Non-formula-fed veal	101	4	1	1.0	(0.03,5.39)
Heavy calves	244	6	0	0.0	(0,1.5)
Mature sheep	155	3	0	0.0	(0,2.35)
Lambs	245	14	0	0.0	(0,1.49)
Goats	222	1	0	0.0	(0,1.65)
Market hogs	445	3	0	0.0	(0,0.83)
Boars/Stags	252	8	2	0.8	(0.1,2.84)

Table 7a - *continued*
Chlorinated Hydrocarbons, Chlorinated Organophosphates, Polychlorinated Biphenyls, and Phenylbutazone
2004 FSIS Domestic Monitoring Results

Production Class	Number of Analyses	Number of non-violative positives	Number of violations	Percent violations	95 percent confidence interval
Sows	247	2	0	0.0	(0,1.48)
Young chickens	484	0	0	0.0	(0,0.76)
Mature chickens	103	0	0	0.0	(0,3.52)
Young turkeys	363	0	0	0.0	(0,1.01)
Mature turkeys	103	1	0	0.0	(0,3.52)
Egg products	288	0	0	0.0	(0,1.27)
Total	**5, 272**	**95**	**3**		

Table 7b
Specific Chlorinated Hydrocarbons, Chlorinated Organophosphates, Polychlorinated Biphenyls, and Phenylbutazone Violative Residues
2004 FSIS Domestic Monitoring Results

Production Class	Compound		Total
	DDT	**Halowax**	
Non-formula-fed veal	1	0	**1**
Boars/Stags	0	2	**2**
Total	**1**	**2**	**3**

AVERMECTINS (IVERMECTIN and DORAMECTIN) and MILBEMYCINS (MOXIDECTIN) RESULTS

FSIS analyzed 931 samples for avermectin and milbemycin residues and 15 violations were detected. There were 3 ivermectins, 1 doramectin, and 11 moxidectins residue violations. Table 8a, *Avermectins and Milbemycins,* presents testing results by production class. Table 8b, *Specific Avermectin and Milbemycin Violative Residues,* presents the specific avermectins and milbemycins detected.

Table 8a
Avermectins and Milbemycins
2004 FSIS Domestic Monitoring Results

Production Class	Number of Analyses	Number of non-violative positives	Number of violations	Percent violations	95 percent confidence interval
Bulls	277	9	2	0.7	(0.09,2.58)
Beef cows	285	2	0	0.0	(0,1.29)
Non-formula-fed veal	63	1	0	0.0	(0,5.69)
Mature sheep	74	1	1	1.4	(0.03,7.3)
Goats	232	0	12	5.2	(2.7,8.86)
Total	**931**	**13**	**15**		

Table 8b
Specific Avermectin and Milbemycin Violative Residues
2004 FSIS Domestic Monitoring Results

Production Class	Avermectin and Milbemycin Compounds			Total
	Ivermectin	Doramectin	Moxidectin	
Bulls	2	0	0	**2**
Mature sheep	0	1	0	**1**
Goats	1	0	11	**12**
Total	**3**	**1**	**11**	**15**

CHLORAMPHENICOL

FSIS analyzed 1,024 samples for chloramphenicol and no violations were detected. Table 9a, *Chloramphenicol*, presents testing results by production class.

Table 9a
Chloramphenicol
2004 FSIS Domestic Residue Plan Results

Production Class	Number of Analyses	Number of non-violative positives	Number of violations	Percent violations	95 percent confidence interval
Dairy cows	217	0	0	0.0	(0,1.69)
Formula-fed veal	100	0	0	0.0	(0,3.62)
Non-formula-fed veal	70	0	0	0.0	(0,5.13)
Young chickens	282	0	0	0.0	(0,1.3)
Mature chickens	105	0	0	0.0	(0,3.45)
Young turkeys	147	0	0	0.0	(0,2.48)
Mature turkeys	103	0	0	0.0	(0,3.52)
Total	**1,024**	**0**	**0**		

CARBADOX

FSIS analyzed 188 roaster pigs for carbadox and 2 violations were detected. Table 10a, *Carbadox*, presents testing results by production class.

Table 10a
Carbadox
2004 FSIS Domestic Monitoring Results

Production Class	Number of Analyses	Number of non-violative positives	Number of violations	Percent violations	95 percent confidence interval
Roaster pigs	188	0	2	1.1	(0.13,3.79)

FLUNIXIN

FSIS analyzed 213 dairy cows for flunixin residues and 3 violations were detected. Table 11a, *Flunixin*, presents the testing results by production class

Table 11a
Flunixin
2004 Domestic Monitoring Results

Production Class	Number of Analyzes	Number of non-violative positives	Number of violations	Percent violations	95 percent confidence interval
Dairy cows	213	0	3	1.4	(0.29, 4.06)

beta-AGONISTS

FSIS analyzed 776 samples for *beta*-agonists (clenbuterol, salbutamol, and cimaterol) and no violations were found. Table 12a, *beta*-agonists, presents testing results by production class.

Table 12a
***beta*-agonists**
2004 FSIS Domestic Monitoring Results

Production Class	Number of Analyzes	Number of non-violative positives	Number of violations	Percent violations	95 percent confidence interval
Steers	254	0	0	0.0	(0, 1.44)
Formula-fed veal	248	0	0	0.0	(0, 1.48)
Market hogs	274	0	0	0.0	(0, 1.34)
Total	**776**	**0**	**0**		

FLORFENICOL

FSIS analyzed 50 dairy cows and 63 formula-fed veal for florfenicol and no violations were found. Table 13a, *Florfenicol,* presents testing results by production class.

Table 13a
Florfenicol
2004 FSIS Domestic Monitoring Results

Production Class	Number of Analyses	Number of non-violative positives	Number of violations	Percent violations	95 percent confidence interval
Dairy cows	50	0	0	0.0	(0,7.11)
Formula-fed veal	63	0	0	0.0	(0,5.69)
Total	**113**	**0**	**0**		

PHENYLBUTAZONE (WITH ELISA METHOD)

FSIS analyzed 606 samples from several production classes for phenylbutazone using the ELISA method of analysis. Two violations were detected in dairy cows. Table 14a, *Phenylbutazone (with ELISA method),* presents testing results by production class.

Table 14a
Phenylbutazone (with ELISA method)
2004 FSIS Domestic Monitoring Results

Production Class	Number of Analyses	Number of non-violative positives	Number of violations	Percent violations	95 percent confidence interval
Beef cows	189	0	0	0	(0,1.93)
Heifers	91	0	0	0	(0,3.97)
Dairy cows	237	0	2	0.84	

Table 14a - *continued*
Phenylbutazone (with ELISA method)
2004 FSIS Domestic Monitoring Results

Production Class	Number of Analyses	Number of non-violative positives	Number of violations	Percent violations	95 percent confidence interval
Formula fed veal	13	0	0	0	(0,24.71)
Steers	96	0	0	0	(0,3.77)
Heavy calves	75	0	0	0	(0,4.8)
Sow	1	0	0	0	(0,97.5)
Total	**702**	**0**	**2**		

MELENGESTROL ACETATE (MGA)

FSIS analyzed 238 heifers for MGA residues. No violations and twenty non-violative positives were found.

MONITORING DATA FROM FSIS DATA BASE

Tables 15 to 34 identify information as received from the FSIS database System, Microbiological and Residue Computer Information System (MARCIS). (An explanation of Tables 35 to 115 can be found on page 65.)

PRODUCTION CLASS DATA

Tables 15a to 34a present the tissues analyzed, number of samples analyzed, number of violations, and the range for the amount detected for each compound tested in each production class. The number of positives and violations are reported in intervals, with the lowest interval being 0.01-0.10 ppm or 0.01-0.10 ppb. If samples did not contain detectable residues, the samples are categorized under “None” for “Amount in Sample.” The no-detect level varies for each analyte and is not <0.01 ppm or <0.01 ppb for every analyte. The limits of detection may be found in Appendix III (Analytical Methods, 2004 National Residue Program).

Tables 15b to 34b present the number of samples analyzed, number of violations, percent violative samples, and the upper 95% confidence limit for each compound class in each production class. The columns “Percent Violative Samples” and “Upper 95% Confidence Limit” provide an estimate of the percent violations and the associated upper 95% confidence limit on the percent of specified animals (groups of six animals for poultry) with a violation in at least one compound in the residue compound class listed.

Table 15a
Residue Data - Bulls
2004 Domestic Monitoring Plan

					Amount Found in Sample								
Residue	**Tissue**	**Number Samples**	**Viol-ations**	**Units**	**None**	**-0.01 0.10**	**-0.11 0.20**	**-0.21 0.30**	**-0.31 0.50**	**-0.51 1.00**	**-1.01 2.50**	**-2.51 5.00**	**Over 5.00**
Aldrin	Fat	263	0	ppm	263	0	0	0	0	0	0	0	0
BHC	Fat	263	0	ppm	263	0	0	0	0	0	0	0	0
Chlordane	Fat	263	0	ppm	263	0	0	0	0	0	0	0	0
Dieldrin	Fat	263	0	ppm	263	0	0	0	0	0	0	0	0
DDT	Fat	263	0	ppm	252	3	6	1	1	0	0	0	0
Endrin	Fat	263	0	ppm	263	0	0	0	0	0	0	0	0
Heptachlor	Fat	263	0	ppm	263	0	0	0	0	0	0	0	0
Lindane	Fat	263	0	ppm	263	0	0	0	0	0	0	0	0
Methoxychlor	Fat	263	0	ppm	263	0	0	0	0	0	0	0	0
Toxaphene	Fat	263	0	ppm	263	0	0	0	0	0	0	0	0
PCB	Fat	263	0	ppm	263	0	0	0	0	0	0	0	0
HCB	Fat	263	0	ppm	263	0	0	0	0	0	0	0	0
Mirex	Fat	263	0	ppm	263	0	0	0	0	0	0	0	0
Strobane	Fat	263	0	ppm	263	0	0	0	0	0	0	0	0
Nonachlor	Fat	263	0	ppm	263	0	0	0	0	0	0	0	0
Endosulfan I	Fat	263	0	ppm	263	0	0	0	0	0	0	0	0
Linuron	Fat	263	0	ppm	263	0	0	0	0	0	0	0	0
Phosalone	Fat	263	0	ppm	263	0	0	0	0	0	0	0	0
Dicofol	Fat	263	0	ppm	263	0	0	0	0	0	0	0	0
Pentachloroaniline	Fat	263	0	ppm	263	0	0	0	0	0	0	0	0
Heptachlor Epoxide	Fat	263	0	ppm	263	0	0	0	0	0	0	0	0
Halowax	Fat	263	0	ppm	263	0	0	0	0	0	0	0	0
PBB	Fat	263	0	ppm	263	0	0	0	0	0	0	0	0
Coumaphos	Fat	263	0	ppm	263	0	0	0	0	0	0	0	0
Ethion	Fat	263	0	ppm	263	0	0	0	0	0	0	0	0
Parathion	Fat	263	0	ppm	263	0	0	0	0	0	0	0	0
Ronnel	Fat	263	0	ppm	263	0	0	0	0	0	0	0	0
Stirofos	Fat	263	0	ppm	263	0	0	0	0	0	0	0	0
Chlorpyrifos	Fat	263	0	ppm	263	0	0	0	0	0	0	0	0
Famphur	Fat	263	0	ppm	263	0	0	0	0	0	0	0	0
Carbophenothion	Fat	263	0	ppm	263	0	0	0	0	0	0	0	0
Chlorfenvinphos	Fat	263	0	ppm	263	0	0	0	0	0	0	0	0
S-Ethoxypyridazine	Liver	317	0	ppm	317	0	0	0	0	0	0	0	0
S-Chlorpyridazine	Liver	317	0	ppm	317	0	0	0	0	0	0	0	0
Sulfadimethoxine	Liver	317	0	ppm	317	0	0	0	0	0	0	0	0
Sulfamethazine	Liver	317	0	ppm	317	0	0	0	0	0	0	0	0
S-Chloropyrazine	Liver	317	0	ppm	317	0	0	0	0	0	0	0	0
S-Methoxypyridazine	Liver	317	0	ppm	317	0	0	0	0	0	0	0	0
Sulfamerazine	Liver	317	0	ppm	317	0	0	0	0	0	0	0	0
Sulfathiazole	Liver	317	0	ppm	317	0	0	0	0	0	0	0	0
Sulfaquinoxaline	Liver	317	0	ppm	317	0	0	0	0	0	0	0	0
S-Bromomethazine	Liver	317	0	ppm	317	0	0	0	0	0	0	0	0
Sulfamethiazole	Liver	317	0	ppm	317	0	0	0	0	0	0	0	0

Table 15a - *continued*
Residue Data - Bulls
2004 Domestic Monitoring Plan

Residue	Tissue	Number Samples	Viol-ations	Units	None	-0.01 0.10	-0.11 0.20	-0.21 0.30	-0.31 0.50	-0.51 1.00	-1.01 2.50	-2.51 5.00	Over 5.00
					---------- Amount Found in Sample ----------								
Sulfanilamide	Liver	317	0	ppm	317	0	0	0	0	0	0	0	0
Sulfapyridine	Liver	317	0	ppm	317	0	0	0	0	0	0	0	0
Sulfadiazine	Liver	317	0	ppm	317	0	0	0	0	0	0	0	0
Sulfadoxine	Liver	317	0	ppm	317	0	0	0	0	0	0	0	0
Sulfamethoxazole	Liver	317	0	ppm	317	0	0	0	0	0	0	0	0
Phenylbutazone	Fat	263	0	ppb	263	0	0	0	0	0	0	0	0
Doramectin	Liver	277	0	ppb	277	0	0	0	0	0	0	0	0
Moxidectin	Liver	277	0	ppb	273	0	0	0	0	0	0	0	4
Ivermectin	Liver	277	2	ppb	270	0	0	0	0	0	0	0	7

Table 15b
Residue Data by Compound Class - Bulls
2004 Domestic Monitoring Plan

Residue Compound or Compound Class	Samples Tested	Samples Violative	Percent Violative Samples	Upper 95% Confidence Limit
Avermectins	277	2	0.7	2.3
Chlorinated Hydrocarbons	263	0	0	1.1
Chlorinated Organophosphates	263	0	0	1.1
Phenylbutazone	263	0	0	1.1
Sulfonamides	317	0	0	0.9
Total	**1383**	**2**		

Table 16a
Residue Data - Steers
2004 Domestic Monitoring Plan

					Amount Found in Sample								
Residue	**Tissue**	**Number Samples**	**Viol-ations**	**Units**	**None**	**-0.01 0.10**	**-0.11 0.20**	**-0.21 0.30**	**-0.31 0.50**	**-0.51 1.00**	**-1.01 2.50**	**-2.51 5.00**	**Over 5.00**
Aldrin	Fat	432	0	ppm	432	0	0	0	0	0	0	0	0
BHC	Fat	432	0	ppm	432	0	0	0	0	0	0	0	0
Chlordane	Fat	432	0	ppm	432	0	0	0	0	0	0	0	0
Dieldrin	Fat	432	0	ppm	431	1	0	0	0	0	0	0	0
DDT	Fat	432	0	ppm	422	2	4	1	3	0	0	0	0
Endrin	Fat	432	0	ppm	432	0	0	0	0	0	0	0	0
Heptachlor	Fat	432	0	ppm	432	0	0	0	0	0	0	0	0
Lindane	Fat	432	0	ppm	432	0	0	0	0	0	0	0	0
Methoxychlor	Fat	432	0	ppm	432	0	0	0	0	0	0	0	0
Toxaphene	Fat	432	0	ppm	432	0	0	0	0	0	0	0	0
PCB	Fat	432	0	ppm	432	0	0	0	0	0	0	0	0
HCB	Fat	432	0	ppm	432	0	0	0	0	0	0	0	0
Mirex	Fat	432	0	ppm	432	0	0	0	0	0	0	0	0
Strobane	Fat	432	0	ppm	432	0	0	0	0	0	0	0	0
Nonachlor	Fat	432	0	ppm	432	0	0	0	0	0	0	0	0
Endosulfan I	Fat	432	0	ppm	432	0	0	0	0	0	0	0	0
Linuron	Fat	432	0	ppm	432	0	0	0	0	0	0	0	0
Phosalone	Fat	432	0	ppm	432	0	0	0	0	0	0	0	0
Dicofol	Fat	432	0	ppm	432	0	0	0	0	0	0	0	0
Pentachloroaniline	Fat	432	0	ppm	432	0	0	0	0	0	0	0	0
Heptachlor Epoxide	Fat	432	0	ppm	432	0	0	0	0	0	0	0	0
Halowax	Fat	432	0	ppm	432	0	0	0	0	0	0	0	0
PBB	Fat	432	0	ppm	432	0	0	0	0	0	0	0	0
Coumaphos	Fat	432	0	ppm	432	0	0	0	0	0	0	0	0
Ethion	Fat	432	0	ppm	432	0	0	0	0	0	0	0	0
Parathion	Fat	432	0	ppm	432	0	0	0	0	0	0	0	0
Ronnel	Fat	432	0	ppm	432	0	0	0	0	0	0	0	0
Stirofos	Fat	432	0	ppm	432	0	0	0	0	0	0	0	0
Chlorpyrifos	Fat	432	0	ppm	432	0	0	0	0	0	0	0	0
Famphur	Fat	432	0	ppm	432	0	0	0	0	0	0	0	0
Carbophenothion	Fat	432	0	ppm	432	0	0	0	0	0	0	0	0
Chlorfenvinphos	Fat	432	0	ppm	432	0	0	0	0	0	0	0	0
Clenbuterol	Eyeball	254	0	ppb	254	0	0	0	0	0	0	0	0
Salbutamol	Eyeball	254	0	ppb	254	0	0	0	0	0	0	0	0
Cimaterol	Eyeball	254	0	ppb	254	0	0	0	0	0	0	0	0
S-Ethoxypyridazine	Liver	319	0	ppm	319	0	0	0	0	0	0	0	0
S-Chlorpyridazine	Liver	319	0	ppm	319	0	0	0	0	0	0	0	0
Sulfadimethoxine	Liver	319	0	ppm	319	0	0	0	0	0	0	0	0
Sulfamethazine	Liver	319	0	ppm	319	0	0	0	0	0	0	0	0
S-Chloropyrazine	Liver	319	0	ppm	319	0	0	0	0	0	0	0	0
S-Methoxypyridazine	Liver	319	0	ppm	319	0	0	0	0	0	0	0	0
Sulfamerazine	Liver	319	0	ppm	319	0	0	0	0	0	0	0	0

Table 16a - *continued*
Residue Data - Steers
2004 Domestic Monitoring Plan

Residue	Tissue	Number Samples	Viol-ations	Units	None	-0.01 0.10	-0.11 0.20	-0.21 0.30	-0.31 0.50	-0.51 1.00	-1.01 2.50	-2.51 5.00	Over 5.00
					---------- Amount Found in Sample ----------								
Sulfathiazole	Liver	319	0	ppm	319	0	0	0	0	0	0	0	0
Sulfaquinoxaline	Liver	319	0	ppm	319	0	0	0	0	0	0	0	0
S-Bromomethazine	Liver	319	0	ppm	319	0	0	0	0	0	0	0	0
Sulfamethiazole	Liver	319	0	ppm	319	0	0	0	0	0	0	0	0
Sulfanilamide	Liver	319	0	ppm	319	0	0	0	0	0	0	0	0
Sulfapyridine	Liver	319	0	ppm	319	0	0	0	0	0	0	0	0
Sulfadiazine	Liver	319	0	ppm	319	0	0	0	0	0	0	0	0
Sulfadoxine	Liver	319	0	ppm	319	0	0	0	0	0	0	0	0
Sulfamethoxazole	Liver	319	0	ppm	319	0	0	0	0	0	0	0	0
Phenylbutazone	Fat	432	0	ppb	432	0	0	0	0	0	0	0	0

Table 16b
Residue Data by Compound Class - Bulls
2004 Domestic Monitoring Plan

Residue Compound or Compound Class	Samples Tested	Samples Violative	Percent Violative Samples	Upper 95% Confidence Limit
Chlorinated Hydrocarbons	432	0	0	0.7
Chlorinated Organophosphates	432	0	0	0.7
Beta Agonists	254	0	0	1.2
Phenylbutazone	432	0	0	0.7
Sulfonamides	319	0	0	0.9
Total	**1869**	**0**		

Table 17a
Residue Data - Beef Cows
2004 Domestic Monitoring Plan

					Amount Found in Sample								
Residue	**Tissue**	**Number Samples**	**Viol-ations**	**Units**	**None**	**-0.01 0.10**	**-0.11 0.20**	**-0.21 0.30**	**-0.31 0.50**	**-0.51 1.00**	**-1.01 2.50**	**-2.51 5.00**	**Over 5.00**
Aldrin	Fat	315	0	ppm	315	0	0	0	0	0	0	0	0
BHC	Fat	315	0	ppm	315	0	0	0	0	0	0	0	0
Chlordane	Fat	315	0	ppm	315	0	0	0	0	0	0	0	0
Dieldrin	Fat	315	0	ppm	315	0	0	0	0	0	0	0	0
DDT	Fat	315	0	ppm	307	1	4	2	0	1	0	0	0
Endrin	Fat	315	0	ppm	315	0	0	0	0	0	0	0	0
Heptachlor	Fat	315	0	ppm	315	0	0	0	0	0	0	0	0
Lindane	Fat	315	0	ppm	315	0	0	0	0	0	0	0	0
Methoxychlor	Fat	315	0	ppm	315	0	0	0	0	0	0	0	0
Toxaphene	Fat	315	0	ppm	315	0	0	0	0	0	0	0	0
PCB	Fat	315	0	ppm	315	0	0	0	0	0	0	0	0
HCB	Fat	315	0	ppm	315	0	0	0	0	0	0	0	0
Mirex	Fat	315	0	ppm	315	0	0	0	0	0	0	0	0
Strobane	Fat	315	0	ppm	315	0	0	0	0	0	0	0	0
Nonachlor	Fat	315	0	ppm	315	0	0	0	0	0	0	0	0
Endosulfan I	Fat	315	0	ppm	315	0	0	0	0	0	0	0	0
Linuron	Fat	315	0	ppm	315	0	0	0	0	0	0	0	0
Phosalone	Fat	315	0	ppm	315	0	0	0	0	0	0	0	0
Dicofol	Fat	315	0	ppm	315	0	0	0	0	0	0	0	0
Pentachloroaniline	Fat	315	0	ppm	315	0	0	0	0	0	0	0	0
Heptachlor Epoxide	Fat	315	0	ppm	315	0	0	0	0	0	0	0	0
Halowax	Fat	315	0	ppm	315	0	0	0	0	0	0	0	0
PBB	Fat	315	0	ppm	315	0	0	0	0	0	0	0	0
Penicillin	Kidney	323	0	ppm	323	0	0	0	0	0	0	0	0
Streptomycin	Kidney	323	0	ppm	323	0	0	0	0	0	0	0	0
Tetracycline	Kidney	323	0	ppm	323	0	0	0	0	0	0	0	0
Tylosin	Kidney	323	0	ppm	323	0	0	0	0	0	0	0	0
Erythromycin	Kidney	323	0	ppm	323	0	0	0	0	0	0	0	0
Neomycin	Kidney	323	0	ppm	323	0	0	0	0	0	0	0	0
Oxytetracycline	Kidney	323	0	ppm	323	0	0	0	0	0	0	0	0
Chlortetracycline	Kidney	323	0	ppm	323	0	0	0	0	0	0	0	0
Unid Micro Inhib	Kidney	323	0	ppm	323	0	0	0	0	0	0	0	0
Gentamycin	Kidney	323	0	ppm	323	0	0	0	0	0	0	0	0
Lincomycin	Kidney	323	0	ppm	323	0	0	0	0	0	0	0	0
Spectinomycin	Kidney	323	0	ppm	322	1	0	0	0	0	0	0	0
Tilmicosin	Kidney	323	0	ppb	323	0	0	0	0	0	0	0	0
Pirlimycin	Kidney	323	0	ppm	323	0	0	0	0	0	0	0	0
Clindamycin	Kidney	323	0	ppm	323	0	0	0	0	0	0	0	0
Dihydrostreptomycin	Kidney	323	0	ppm	323	0	0	0	0	0	0	0	0
Tobramycin	Kidney	323	0	ppm	323	0	0	0	0	0	0	0	0
Kanamycin	Kidney	323	0	ppm	323	0	0	0	0	0	0	0	0

Table 17a - *continued*
Residue Data - Beef Cows
2004 Domestic Monitoring Plan

					Amount Found in Sample								
Residue	**Tissue**	**Number Samples**	**Viol-ations**	**Units**	**None**	**-0.01 0.10**	**-0.11 0.20**	**-0.21 0.30**	**-0.31 0.50**	**-0.51 1.00**	**-1.01 2.50**	**-2.51 5.00**	**Over 5.00**
Hygromycin	Kidney	323	0	ppm	323	0	0	0	0	0	0	0	0
Amikacin	Kidney	323	0	ppm	323	0	0	0	0	0	0	0	0
Aprimycin	Kidney	323	0	ppm	323	0	0	0	0	0	0	0	0
Tetracyclines Re	Kidney	323	0	ppm	323	0	0	0	0	0	0	0	0
Swab Pos-Bioa Ne	Kidney	323	0	ppm	323	0	0	0	0	0	0	0	0
Coumaphos	Fat	315	0	ppm	315	0	0	0	0	0	0	0	0
Ethion	Fat	315	0	ppm	315	0	0	0	0	0	0	0	0
Parathion	Fat	315	0	ppm	315	0	0	0	0	0	0	0	0
Ronnel	Fat	315	0	ppm	315	0	0	0	0	0	0	0	0
Stirofos	Fat	315	0	ppm	315	0	0	0	0	0	0	0	0
Chlorpyrifos	Fat	315	0	ppm	315	0	0	0	0	0	0	0	0
Famphur	Fat	315	0	ppm	315	0	0	0	0	0	0	0	0
Carbophenothion	Fat	315	0	ppm	315	0	0	0	0	0	0	0	0
Chlorfenvinphos	Fat	315	0	ppm	315	0	0	0	0	0	0	0	0
S-Ethoxypyridazine	Liver	295	0	ppm	295	0	0	0	0	0	0	0	0
S-Chlorpyridazine	Liver	295	0	ppm	295	0	0	0	0	0	0	0	0
Sulfadimethoxine	Liver	295	0	ppm	295	0	0	0	0	0	0	0	0
Sulfamethazine	Liver	295	0	ppm	294	1	0	0	0	0	0	0	0
S-Chloropyrazine	Liver	295	0	ppm	295	0	0	0	0	0	0	0	0
S-Methoxypyridazine	Liver	295	0	ppm	295	0	0	0	0	0	0	0	0
Sulfamerazine	Liver	295	0	ppm	295	0	0	0	0	0	0	0	0
Sulfathiazole	Liver	295	0	ppm	295	0	0	0	0	0	0	0	0
Sulfaquinoxaline	Liver	295	0	ppm	295	0	0	0	0	0	0	0	0
S-Bromomethazine	Liver	295	0	ppm	295	0	0	0	0	0	0	0	0
Sulfamethiazole	Liver	295	0	ppm	295	0	0	0	0	0	0	0	0
Sulfanilamide	Liver	295	0	ppm	295	0	0	0	0	0	0	0	0
Sulfapyridine	Liver	295	0	ppm	295	0	0	0	0	0	0	0	0
Sulfadiazine	Liver	295	0	ppm	295	0	0	0	0	0	0	0	0
Sulfadoxine	Liver	295	0	ppm	295	0	0	0	0	0	0	0	0
Sulfamethoxazole	Liver	295	0	ppm	295	0	0	0	0	0	0	0	0
Phenylbutazone	Fat	315	0	ppb	315	0	0	0	0	0	0	0	0
Doramectin	Liver	285	0	ppb	285	0	0	0	0	0	0	0	0
Moxidectin	Liver	285	0	ppb	285	0	0	0	0	0	0	0	0
Ivermectin	Liver	285	0	ppb	283	0	0	0	0	0	0	0	2

Table 17b
Residue Data by Compound Class - Beef Cows
2004 Domestic Monitoring Plan

Residue Compound or Compound Class	Samples Tested	Samples Violative	Percent Violative Samples	Upper 95% Confidence Limit
Antibiotics	323	0	0	0.9
Avermectins	285	0	0	1.0
Chlorinated Hydrocarbons	315	0	0	0.9
Chlorinated Organophosphates	315	0	0	0.9
Phenylbutazone	315	0	0	0.9
Sulfonamides	295	0	0	1
Total	**1848**	**0**		

Table 18a
Residue Data - Heifers
2004 Domestic Monitoring Plan

					Amount Found in Sample								
Residue	**Tissue**	**Number Samples**	**Viol-ations**	**Units**	**None**	**-0.01 0.10**	**-0.11 0.20**	**-0.21 0.30**	**-0.31 0.50**	**-0.51 1.00**	**-1.01 2.50**	**-2.51 5.00**	**Over 5.00**
Aldrin	Fat	442	0	ppm	442	0	0	0	0	0	0	0	0
BHC	Fat	442	0	ppm	442	0	0	0	0	0	0	0	0
Chlordane	Fat	442	0	ppm	442	0	0	0	0	0	0	0	0
Dieldrin	Fat	442	0	ppm	442	0	0	0	0	0	0	0	0
DDT	Fat	442	0	ppm	442	0	3	0	0	0	0	0	0
Endrin	Fat	442	0	ppm	442	0	0	0	0	0	0	0	0
Heptachlor	Fat	442	0	ppm	442	0	0	0	0	0	0	0	0
Lindane	Fat	442	0	ppm	442	0	0	0	0	0	0	0	0
Methoxychlor	Fat	442	0	ppm	442	0	0	0	0	0	0	0	0
Toxaphene	Fat	442	0	ppm	442	0	0	0	0	0	0	0	0
PCB	Fat	442	0	ppm	442	0	0	0	0	0	0	0	0
HCB	Fat	442	0	ppm	442	0	0	0	0	0	0	0	0
Mirex	Fat	442	0	ppm	442	0	0	0	0	0	0	0	0
Strobane	Fat	442	0	ppm	442	0	0	0	0	0	0	0	0
Nonachlor	Fat	442	0	ppm	442	0	0	0	0	0	0	0	0
Endosulfan I	Fat	442	0	ppm	442	0	0	0	0	0	0	0	0
Linuron	Fat	442	0	ppm	442	0	0	0	0	0	0	0	0
Phosalone	Fat	442	0	ppm	442	0	0	0	0	0	0	0	0
Dicofol	Fat	442	0	ppm	442	0	0	0	0	0	0	0	0
Pentachloroaniline	Fat	442	0	ppm	442	0	0	0	0	0	0	0	0
Heptachlor Epoxide	Fat	442	0	ppm	442	0	0	0	0	0	0	0	0
Halowax	Fat	442	0	ppm	442	0	0	0	0	0	0	0	0
PBB	Fat	442	0	ppm	442	0	0	0	0	0	0	0	0
Penicillin	Kidney	469	0	ppm	469	0	0	0	0	0	0	0	0
Streptomycin	Kidney	469	0	ppm	469	0	0	0	0	0	0	0	0
Tetracycline	Kidney	469	0	ppm	469	0	0	0	0	0	0	0	0
Tylosin	Kidney	469	0	ppm	469	0	0	0	0	0	0	0	0
Erythromycin	Kidney	469	0	ppm	469	0	0	0	0	0	0	0	0
Neomycin	Kidney	469	0	ppm	469	0	0	0	0	0	0	0	0
Oxytetracycline	Kidney	469	0	ppm	469	0	0	0	0	0	0	0	0
Chlortetracycline	Kidney	469	0	ppm	469	0	0	0	0	0	0	0	0
Unid Micro Inhib	Kidney	469	0	ppm	469	0	0	0	0	0	0	0	0
Gentamycin	Kidney	469	1	ppm	468	0	0	0	1	0	0	0	0
Lincomycin	Kidney	469	0	ppm	469	0	0	0	0	0	0	0	0
Spectinomycin	Kidney	469	0	ppm	469	0	0	0	0	0	0	0	0
Tilmicosin	Kidney	469	0	ppb	469	0	0	0	0	0	0	0	0
Pirlimycin	Kidney	469	0	ppm	469	0	0	0	0	0	0	0	0
Clindamycin	Kidney	469	0	ppm	469	0	0	0	0	0	0	0	0
Dihydrostreptomycin	Kidney	469	0	ppm	469	0	0	0	0	0	0	0	0
Tobramycin	Kidney	469	0	ppm	469	0	0	0	0	0	0	0	0
Kanamycin	Kidney	469	0	ppm	469	0	0	0	0	0	0	0	0
Hygromycin	Kidney	469	0	ppm	469	0	0	0	0	0	0	0	0

Table 18a - *continued*
Residue Data - Heifers
2004 Domestic Monitoring Plan

Residue	Tissue	Number Samples	Viol-ations	Units	None	-0.01 0.10	-0.11 0.20	-0.21 0.30	-0.31 0.50	-0.51 1.00	-1.01 2.50	-2.51 5.00	Over 5.00
					---------- Amount Found in Sample ----------								
Amikacin	Kidney	469	0	ppm	469	0	0	0	0	0	0	0	0
Aprimycin	Kidney	469	0	ppm	469	0	0	0	0	0	0	0	0
Tetracyclines Re	Kidney	469	0	ppm	469	0	0	0	0	0	0	0	0
Swab Pos-Bioa Ne	Kidney	469	0	ppm	469	0	0	0	0	0	0	0	0
Coumaphos	Fat	442	0	ppm	442	0	0	0	0	0	0	0	0
Ethion	Fat	442	0	ppm	442	0	0	0	0	0	0	0	0
Parathion	Fat	442	0	ppm	442	0	0	0	0	0	0	0	0
Ronnel	Fat	442	0	ppm	442	0	0	0	0	0	0	0	0
Stirofos	Fat	442	0	ppm	442	0	0	0	0	0	0	0	0
Chlorpyrifos	Fat	442	0	ppm	442	0	0	0	0	0	0	0	0
Famphur	Fat	442	0	ppm	442	0	0	0	0	0	0	0	0
Carbophenothion	Fat	442	0	ppm	442	0	0	0	0	0	0	0	0
Chlorfenvinphos	Fat	442	0	ppm	442	0	0	0	0	0	0	0	0
MGA	Fat	238	0	ppb	218	20	0	0	0	0	0	0	0
Phenylbutazone	Fat	442	0	ppb	442	0	0	0	0	0	0	0	0

Table 18b
Residue Data by Compound Class - Heifers
2004 Domestic Monitoring Plan

Residue Compound or Compound Class	Samples Tested	Samples Violative	Percent Violative Samples	Upper 95% Confidence Limit
Antibiotics	469	1	0.2	1.0
Chlorinated Hydrocarbons	442	0	0	0.7
Chlorinated Organophosphates	442	0	0	0.7
MGA	238	0	0	1.3
Phenylbutazone	442	0	0	0.7
Total	**2033**	**1**		

Table 19a
Residue Data - Dairy Cows
2004 Domestic Monitoring Plan

Residue	Tissue	Number Samples	Viol-ations	Units	None	-0.01 0.10	-0.11 0.20	-0.21 0.30	-0.31 0.50	-0.51 1.00	-1.01 2.50	-2.51 5.00	Over 5.00
					---------- Amount Found in Sample ----------								
Aldrin	Fat	305	0	ppm	305	0	0	0	0	0	0	0	0
BHC	Fat	305	0	ppm	305	0	0	0	0	0	0	0	0
Chlordane	Fat	305	0	ppm	305	0	0	0	0	0	0	0	0
Dieldrin	Fat	305	0	ppm	305	0	0	0	0	0	0	0	0
DDT	Fat	305	0	ppm	287	4	9	1	2	0	1	0	0
Endrin	Fat	305	0	ppm	305	0	0	0	0	0	0	0	0
Heptachlor	Fat	305	0	ppm	305	0	0	0	0	0	0	0	0
Lindane	Fat	305	0	ppm	305	0	0	0	0	0	0	0	0
Methoxychlor	Fat	305	0	ppm	305	0	0	0	0	0	0	0	0
Toxaphene	Fat	305	0	ppm	305	0	0	0	0	0	0	0	0
PCB	Fat	305	0	ppm	305	0	0	0	0	0	0	0	0
HCB	Fat	305	0	ppm	305	0	1	0	0	0	0	0	0
Mirex	Fat	305	0	ppm	305	0	0	0	0	0	0	0	0
Strobane	Fat	305	0	ppm	305	0	0	0	0	0	0	0	0
Nonachlor	Fat	305	0	ppm	305	0	0	0	0	0	0	0	0
Endosulfan I	Fat	305	0	ppm	305	0	0	0	0	0	0	0	0
Linuron	Fat	305	0	ppm	305	0	0	0	0	0	0	0	0
Phosalone	Fat	305	0	ppm	305	0	0	0	0	0	0	0	0
Dicofol	Fat	305	0	ppm	305	0	0	0	0	0	0	0	0
Pentachloroaniline	Fat	305	0	ppm	305	0	0	0	0	0	0	0	0
Heptachlor Epoxide	Fat	305	0	ppm	305	0	0	0	0	0	0	0	0
Halowax	Fat	305	0	ppm	305	0	0	0	0	0	0	0	0
PBB	Fat	305	0	ppm	305	0	0	0	0	0	0	0	0
Penicillin	Kidney	439	3	ppm	436	0	0	2	0	1	0	0	0
Streptomycin	Kidney	439	0	ppm	439	0	0	0	0	0	0	0	0
Chloramphenicol	Muscle	217	0	ppb	217	0	0	0	0	0	0	0	0
Florfenicol	Liver	50	0	ppm	50	0	0	0	0	0	0	0	0
Tetracycline	Kidney	439	0	ppm	439	0	0	0	0	0	0	0	0
Tylosin	Kidney	439	0	ppm	439	0	0	0	0	0	0	0	0
Erythromycin	Kidney	439	0	ppm	439	0	0	0	0	0	0	0	0
Neomycin	Kidney	439	0	ppm	438	0	0	0	0	0	0	0	1
Oxytetracycline	Kidney	439	0	ppm	439	0	0	0	0	0	0	0	0
Chlortetracycline	Kidney	439	0	ppm	439	0	0	0	0	0	0	0	0
Unid Micro Inhib	Kidney	439	0	ppm	439	0	0	0	0	0	0	0	0
Gentamycin	Kidney	439	0	ppm	439	0	0	0	0	0	0	0	0
Lincomycin	Kidney	439	0	ppm	439	0	0	0	0	0	0	0	0
Spectinomycin	Kidney	439	0	ppm	439	0	0	0	0	0	0	0	0
Tilmicosin	Kidney	439	0	ppb	439	0	0	0	0	0	0	0	0
Pirlimycin	Kidney	439	0	ppm	439	0	0	0	0	0	0	0	0
Clindamycin	Kidney	439	0	ppm	439	0	0	0	0	0	0	0	0
Dihydrostreptomycin	Kidney	439	0	ppm	439	0	0	0	0	0	0	0	0
Tobramycin	Kidney	439	0	ppm	439	0	0	0	0	0	0	0	0

Table 19a- *continued*
Residue Data - Dairy Cows
2004 Domestic Monitoring Plan

					Amount Found in Sample								
Residue	**Tissue**	**Number Samples**	**Viol-ations**	**Units**	**None**	**-0.01 0.10**	**-0.11 0.20**	**-0.21 0.30**	**-0.31 0.50**	**-0.51 1.00**	**-1.01 2.50**	**-2.51 5.00**	**Over 5.00**
Kanamycin	Kidney	439	0	ppm	439	0	0	0	0	0	0	0	0
Hygromycin	Kidney	439	0	ppm	439	0	0	0	0	0	0	0	0
Amikacin	Kidney	439	0	ppm	439	0	0	0	0	0	0	0	0
Aprimycin	Kidney	439	0	ppm	439	0	0	0	0	0	0	0	0
Tetracyclines Re	Kidney	439	0	ppm	436	0	0	0	0	3	0	0	0
Swab Pos-Bioa Ne	Kidney	439	0	ppm	439	0	0	0	0	0	0	0	0
Coumaphos	Fat	305	0	ppm	305	0	0	0	0	0	0	0	0
Ethion	Fat	305	0	ppm	305	0	0	0	0	0	0	0	0
Parathion	Fat	305	0	ppm	305	0	0	0	0	0	0	0	0
Ronnel	Fat	305	0	ppm	305	0	0	0	0	0	0	0	0
Stirofos	Fat	305	0	ppm	305	0	0	0	0	0	0	0	0
Chlorpyrifos	Fat	305	0	ppm	305	0	0	0	0	0	0	0	0
Famphur	Fat	305	0	ppm	305	0	0	0	0	0	0	0	0
Carbophenothion	Fat	305	0	ppm	305	0	0	0	0	0	0	0	0
Chlorfenvinphos	Fat	305	0	ppm	305	0	0	0	0	0	0	0	0
S-Ethoxypyridazine	Liver	296	0	ppm	296	0	0	0	0	0	0	0	0
S-Chlorpyridazine	Liver	296	0	ppm	296	0	0	0	0	0	0	0	0
Sulfadimethoxine	Liver	296	0	ppm	296	0	0	0	0	0	0	0	0
Sulfamethazine	Liver	296	0	ppm	296	0	0	0	0	0	0	0	0
S-Chloropyrazine	Liver	296	0	ppm	296	0	0	0	0	0	0	0	0
S-Methoxypyridazine	Liver	296	0	ppm	296	0	0	0	0	0	0	0	0
Sulfamerazine	Liver	296	0	ppm	296	0	0	0	0	0	0	0	0
Sulfathiazole	Liver	296	0	ppm	296	0	0	0	0	0	0	0	0
Sulfaquinoxaline	Liver	296	0	ppm	296	0	0	0	0	0	0	0	0
S-Bromomethazine	Liver	296	0	ppm	296	0	0	0	0	0	0	0	0
Sulfamethiazole	Liver	296	0	ppm	296	0	0	0	0	0	0	0	0
Sulfanilamide	Liver	296	0	ppm	296	0	0	0	0	0	0	0	0
Sulfapyridine	Liver	296	0	ppm	296	0	0	0	0	0	0	0	0
Sulfadiazine	Liver	296	0	ppm	296	0	0	0	0	0	0	0	0
Sulfadoxine	Liver	296	0	ppm	296	0	0	0	0	0	0	0	0
Sulfamethoxazole	Liver	296	0	ppm	296	0	0	0	0	0	0	0	0
Phenylbutazone	Fat	305	0	ppb	305	0	0	0	0	0	0	0	0
Flunixin	Liver	213	3	ppb	210	0	1	1	0	1	0	0	0

Table 19b
Residue Data by Compound Class - Dairy Cows
2004 Domestic Monitoring Plan

Residue Compound or Compound Class	Samples Tested	Samples Violative	Percent Violative Samples	Upper 95% Confidence Limit
Antibiotics	439	3	0.7	1.8
Chloramphenicol	217	0	0	1.4
Florfenicol	50	0	0	5.8
Chlorinated Hydrocarbons	305	0	0	1.1
Chlorinated Organophosphates	305	0	0	1.1
Flunixin	213	3	1.4	3.6
Phenylbutazone	305	0	0	1.1
Sulfonamides	296	0	0	1.0
Total	**2130**	**6**		

Table 20a
Residue Data - Bob Veal
2004 Domestic Monitoring Plan

					Amount Found in Sample								
Residue	**Tissue**	**Number Samples**	**Viol-ations**	**Units**	**None**	**-0.01 0.10**	**-0.11 0.20**	**-0.21 0.30**	**-0.31 0.50**	**-0.51 1.00**	**-1.01 2.50**	**-2.51 5.00**	**Over 5.00**
Penicillin	Kidney	377	1	ppm	376	0	0	0	1	0	0	0	0
Streptomycin	Kidney	377	0	ppm	377	0	0	0	0	0	0	0	0
Tetracycline	Kidney	377	0	ppm	377	0	0	0	0	0	0	0	0
Tylosin	Kidney	377	0	ppm	377	0	0	0	0	0	0	0	0
Erythromycin	Kidney	377	0	ppm	377	0	0	0	0	0	0	0	0
Neomycin	Kidney	377	15	ppm	362	0	0	0	0	0	3	4	8
Oxytetracycline	Kidney	377	0	ppm	377	0	0	0	0	0	0	0	0
Chlortetracycline	Kidney	377	0	ppm	377	0	0	0	0	0	0	0	0
Unid Micro Inhib	Kidney	377	0	ppm	377	0	0	0	0	0	0	0	0
Gentamycin	Kidney	377	0	ppm	377	0	0	0	0	0	0	0	0
Lincomycin	Kidney	377	0	ppm	377	0	0	0	0	0	0	0	0
Spectinomycin	Kidney	377	0	ppm	377	0	0	0	0	0	0	0	0
Tilmicosin	Kidney	377	1	ppb	376	0	0	0	0	0	0	0	1
Pirlimycin	Kidney	377	0	ppm	377	0	0	0	0	0	0	0	0
Clindamycin	Kidney	377	0	ppm	377	0	0	0	0	0	0	0	0
Dihydrostreptomycin	Kidney	377	0	ppm	377	0	0	0	0	0	0	0	0
Tobramycin	Kidney	377	0	ppm	377	0	0	0	0	0	0	0	0
Kanamycin	Kidney	377	0	ppm	377	0	0	0	0	0	0	0	0
Hygromycin	Kidney	377	0	ppm	377	0	0	0	0	0	0	0	0
Amikacin	Kidney	377	0	ppm	377	0	0	0	0	0	0	0	0
Aprimycin	Kidney	377	0	ppm	377	0	0	0	0	0	0	0	0
Tetracyclines Re	Kidney	377	0	ppm	374	0	0	0	0	3	0	0	0
Swab Pos-Bioa Ne	Kidney	377	0	ppm	377	0	0	0	0	0	0	0	0
S-Ethoxypyridazine	Liver	364	0	ppm	364	0	0	0	0	0	0	0	0
S-Chlorpyridazine	Liver	364	0	ppm	364	0	0	0	0	0	0	0	0
Sulfadimethoxine	Liver	364	0	ppm	363	1	0	0	0	0	0	0	0
Sulfamethazine	Liver	364	1	ppm	363	0	0	0	0	0	0	0	1
S-Chloropyrazine	Liver	364	0	ppm	364	0	0	0	0	0	0	0	0
S-Methoxypyridazine	Liver	364	0	ppm	364	0	0	0	0	0	0	0	0
Sulfamerazine	Liver	364	0	ppm	364	0	0	0	0	0	0	0	0
Sulfathiazole	Liver	364	0	ppm	364	0	0	0	0	0	0	0	0
Sulfaquinoxaline	Liver	364	0	ppm	364	0	0	0	0	0	0	0	0
S-Bromomethazine	Liver	364	0	ppm	364	0	0	0	0	0	0	0	0
Sulfamethiazole	Liver	364	0	ppm	364	0	0	0	0	0	0	0	0
Sulfanilamide	Liver	364	0	ppm	364	0	0	0	0	0	0	0	0
Sulfapyridine	Liver	364	0	ppm	364	0	0	0	0	0	0	0	0
Sulfadiazine	Liver	364	0	ppm	364	0	0	0	0	0	0	0	0
Sulfadoxine	Liver	364	0	ppm	364	0	0	0	0	0	0	0	0
Sulfamethoxazole	Liver	364	0	ppm	364	0	0	0	0	0	0	0	0

Table 20b
Residue Data by Compound Class - Bob Veal
2004 Domestic Monitoring Plan

Residue Compound or Compound Class	Samples Tested	Samples Violative	Percent Violative Samples	Upper 95% Confidence Limit
Antibiotics	377	17	4.5	6.7
Sulfonamides	364	1	0.3	1.3
Total	**741**	**18**		

Table 21a
Residue Data - Formula-fed Veal
2004 Domestic Monitoring Plan

					Amount Found in Sample								
Residue	**Tissue**	**Number Samples**	**Viol-ations**	**Units**	**None**	**-0.01 0.10**	**-0.11 0.20**	**-0.21 0.30**	**-0.31 0.50**	**-0.51 1.00**	**-1.01 2.50**	**-2.51 5.00**	**Over 5.00**
Aldrin	Fat	263	0	ppm	263	0	0	0	0	0	0	0	0
BHC	Fat	263	0	ppm	263	0	0	0	0	0	0	0	0
Chlordane	Fat	263	0	ppm	263	0	0	0	0	0	0	0	0
Dieldrin	Fat	263	0	ppm	263	0	0	0	0	0	0	0	0
DDT	Fat	263	0	ppm	263	0	0	0	0	0	0	0	0
Endrin	Fat	263	0	ppm	263	0	0	0	0	0	0	0	0
Heptachlor	Fat	263	0	ppm	263	0	0	0	0	0	0	0	0
Lindane	Fat	263	0	ppm	263	0	0	0	0	0	0	0	0
Methoxychlor	Fat	263	0	ppm	263	0	0	0	0	0	0	0	0
Toxaphene	Fat	263	0	ppm	263	0	0	0	0	0	0	0	0
PCB	Fat	263	0	ppm	263	0	0	0	0	0	0	0	0
HCB	Fat	263	0	ppm	263	0	0	0	0	0	0	0	0
Mirex	Fat	263	0	ppm	263	0	0	0	0	0	0	0	0
Strobane	Fat	263	0	ppm	263	0	0	0	0	0	0	0	0
Nonachlor	Fat	263	0	ppm	263	0	0	0	0	0	0	0	0
Endosulfan I	Fat	263	0	ppm	263	0	0	0	0	0	0	0	0
Linuron	Fat	263	0	ppm	263	0	0	0	0	0	0	0	0
Phosalone	Fat	263	0	ppm	263	0	0	0	0	0	0	0	0
Dicofol	Fat	263	0	ppm	263	0	0	0	0	0	0	0	0
Pentachloroaniline	Fat	263	0	ppm	263	0	0	0	0	0	0	0	0
Heptachlor Epoxide	Fat	263	0	ppm	263	0	0	0	0	0	0	0	0
Halowax	Fat	263	0	ppm	263	0	0	0	0	0	0	0	0
PBB	Fat	263	0	ppm	263	0	0	0	0	0	0	0	0
Penicillin	Kidney	111	1	ppm	110	1	0	0	0	0	0	0	0
Streptomycin	Kidney	111	0	ppm	111	0	0	0	0	0	0	0	0
Chloramphenicol	Muscle	100	0	ppb	100	0	0	0	0	0	0	0	0
Florfenicol	Liver	63	0	ppm	63	0	0	0	0	0	0	0	0
Tetracycline	Kidney	111	0	ppm	110	0	0	0	0	0	1	0	0
Tylosin	Kidney	111	0	ppm	111	0	0	0	0	0	0	0	0
Erythromycin	Kidney	111	0	ppm	111	0	0	0	0	0	0	0	0
Neomycin	Kidney	111	7	ppm	104	0	0	0	2	1	2	1	1
Oxytetracycline	Kidney	111	0	ppm	111	0	0	0	0	0	0	0	0
Chlortetracycline	Kidney	111	0	ppm	111	0	0	0	0	0	0	0	0
Unid Micro Inhib	Kidney	111	0	ppm	110	1	0	0	0	0	0	0	0
Gentamycin	Kidney	111	0	ppm	111	0	0	0	0	0	0	0	0
Lincomycin	Kidney	111	0	ppm	111	0	0	0	0	0	0	0	0
Spectinomycin	Kidney	111	0	ppm	111	0	0	0	0	0	0	0	0
Tilmicosin	Kidney	111	0	ppb	111	0	0	0	0	0	0	0	0
Pirlimycin	Kidney	111	0	ppm	111	0	0	0	0	0	0	0	0
Clindamycin	Kidney	111	0	ppm	111	0	0	0	0	0	0	0	0
Dihydrostreptomycin	Kidney	111	0	ppm	111	0	0	0	0	0	0	0	0
Tobramycin	Kidney	111	0	ppm	111	0	0	0	0	0	0	0	0

Table 21a - *continued*
Residue Data -Formula-fed Veal
2004 Domestic Monitoring Plan

					Amount Found in Sample								
Residue	**Tissue**	**Number Samples**	**Viol-ations**	**Units**	**None**	**-0.01 0.10**	**-0.11 0.20**	**-0.21 0.30**	**-0.31 0.50**	**-0.51 1.00**	**-1.01 2.50**	**-2.51 5.00**	**Over 5.00**
Kanamycin	Kidney	111	0	ppm	111	0	0	0	0	0	0	0	0
Hygromycin	Kidney	111	0	ppm	111	0	0	0	0	0	0	0	0
Amikacin	Kidney	111	0	ppm	111	0	0	0	0	0	0	0	0
Aprimycin	Kidney	111	0	ppm	111	0	0	0	0	0	0	0	0
Tetracyclines Re	Kidney	111	0	ppm	101	0	0	0	0	10	0	0	0
Swab Pos-Bioa Ne	Kidney	111	0	ppm	111	0	0	0	0	0	0	0	0
Coumaphos	Fat	263	0	ppm	263	0	0	0	0	0	0	0	0
Ethion	Fat	263	0	ppm	263	0	0	0	0	0	0	0	0
Parathion	Fat	263	0	ppm	263	0	0	0	0	0	0	0	0
Ronnel	Fat	263	0	ppm	263	0	0	0	0	0	0	0	0
Stirofos	Fat	263	0	ppm	263	0	0	0	0	0	0	0	0
Chlorpyrifos	Fat	263	0	ppm	263	0	0	0	0	0	0	0	0
Famphur	Fat	263	0	ppm	263	0	0	0	0	0	0	0	0
Carbophenothion	Fat	263	0	ppm	263	0	0	0	0	0	0	0	0
Chlorfenvinphos	Fat	263	0	ppm	263	0	0	0	0	0	0	0	0
Clenbuterol	Eyeball	248	0	ppb	248	0	0	0	0	0	0	0	0
Salbutamol	Eyeball	248	0	ppb	248	0	0	0	0	0	0	0	0
Cimaterol	Eyeball	248	0	ppb	248	0	0	0	0	0	0	0	0
S-Ethoxypyridazine	Liver	152	0	ppm	152	0	0	0	0	0	0	0	0
S-Chlorpyridazine	Liver	152	0	ppm	152	0	0	0	0	0	0	0	0
Sulfadimethoxine	Liver	152	0	ppm	152	0	0	0	0	0	0	0	0
Sulfamethazine	Liver	152	0	ppm	152	0	0	0	0	0	0	0	0
S-Chloropyrazine	Liver	152	0	ppm	152	0	0	0	0	0	0	0	0
S-Methoxypyridazine	Liver	152	0	ppm	152	0	0	0	0	0	0	0	0
Sulfamerazine	Liver	152	0	ppm	152	0	0	0	0	0	0	0	0
Sulfathiazole	Liver	152	0	ppm	152	0	0	0	0	0	0	0	0
Sulfaquinoxaline	Liver	152	0	ppm	152	0	0	0	0	0	0	0	0
S-Bromomethazine	Liver	152	0	ppm	152	0	0	0	0	0	0	0	0
Sulfamethiazole	Liver	152	0	ppm	152	0	0	0	0	0	0	0	0
Sulfanilamide	Liver	152	0	ppm	152	0	0	0	0	0	0	0	0
Sulfapyridine	Liver	152	0	ppm	152	0	0	0	0	0	0	0	0
Sulfadiazine	Liver	152	0	ppm	152	0	0	0	0	0	0	0	0
Sulfadoxine	Liver	152	0	ppm	152	0	0	0	0	0	0	0	0
Sulfamethoxazole	Liver	152	0	ppm	152	0	0	0	0	0	0	0	0
Phenylbutazone	Fat	263	0	ppb	263	0	0	0	0	0	0	0	0

Table 21b
Residue Data by Compound Class - Formula-fed Veal
2004 Domestic Monitoring Plan

Residue Compound or Compound Class	Samples Tested	Samples Violative	Percent Violative Samples	Upper 95% Confidence Limit
Antibiotics	111	8	7.2	12.6
Chloramphenicol	100	0	0	3.0
Florfenicol	63	0	0	4.6
Chlorinated Hydrocarbons	263	0	0	1.1
Chlorinated Organophosphates	263	0	0	1.1
Beta Agonists	248	0	0	1.2
Phenylbutazone	263	0	0	1.8
Sulfonamides	152	0	0	2.0
Total	**1463**	**8**		

Table 22a
Residue Data - Non-formula-fed Veal
2004 Domestic Monitoring Plan

					Amount Found in Sample								
Residue	**Tissue**	**Number Samples**	**Viol-ations**	**Units**	**None**	**-0.01 0.10**	**-0.11 0.20**	**-0.21 0.30**	**-0.31 0.50**	**-0.51 1.00**	**-1.01 2.50**	**-2.51 5.00**	**Over 5.00**
Aldrin	Fat	101	0	ppm	101	0	0	0	0	0	0	0	0
BHC	Fat	101	0	ppm	101	0	0	0	0	0	0	0	0
Chlordane	Fat	101	0	ppm	101	0	0	0	0	0	0	0	0
Dieldrin	Fat	101	0	ppm	101	0	0	0	0	0	0	0	0
DDT	Fat	101	1	ppm	96	0	1	1	1	0	1	0	1
Endrin	Fat	101	0	ppm	101	0	0	0	0	0	0	0	0
Heptachlor	Fat	101	0	ppm	101	0	0	0	0	0	0	0	0
Lindane	Fat	101	0	ppm	101	0	0	0	0	0	0	0	0
Methoxychlor	Fat	101	0	ppm	101	0	0	0	0	0	0	0	0
Toxaphene	Fat	101	0	ppm	101	0	0	0	0	0	0	0	0
PCB	Fat	101	0	ppm	101	0	0	0	0	0	0	0	0
HCB	Fat	101	0	ppm	101	0	0	0	0	0	0	0	0
Mirex	Fat	101	0	ppm	101	0	0	0	0	0	0	0	0
Strobane	Fat	101	0	ppm	101	0	0	0	0	0	0	0	0
Nonachlor	Fat	101	0	ppm	101	0	0	0	0	0	0	0	0
Endosulfan I	Fat	101	0	ppm	101	0	0	0	0	0	0	0	0
Linuron	Fat	101	0	ppm	101	0	0	0	0	0	0	0	0
Phosalone	Fat	101	0	ppm	101	0	0	0	0	0	0	0	0
Dicofol	Fat	101	0	ppm	101	0	0	0	0	0	0	0	0
Pentachloroaniline	Fat	101	0	ppm	101	0	0	0	0	0	0	0	0
Heptachlor Epoxide	Fat	101	0	ppm	101	0	0	0	0	0	0	0	0
Halowax	Fat	101	0	ppm	101	0	0	0	0	0	0	0	0
PBB	Fat	101	0	ppm	101	0	0	0	0	0	0	0	0
Penicillin	Kidney	97	0	ppm	97	0	0	0	0	0	0	0	0
Streptomycin	Kidney	97	0	ppm	97	0	0	0	0	0	0	0	0
Chloramphenicol	Muscle	70	0	ppb	70	0	0	0	0	0	0	0	0
Tetracycline	Kidney	97	0	ppm	97	0	0	0	0	0	0	0	0
Tylosin	Kidney	97	0	ppm	97	0	0	0	0	0	0	0	0
Erythromycin	Kidney	97	0	ppm	97	0	0	0	0	0	0	0	0
Neomycin	Kidney	97	2	ppm	95	0	0	0	0	0	0	1	1
Oxytetracycline	Kidney	97	0	ppm	97	0	0	0	0	0	0	0	0
Chlortetracycline	Kidney	97	0	ppm	97	0	0	0	0	0	0	0	0
Unid Micro Inhib	Kidney	97	0	ppm	97	0	0	0	0	0	0	0	0
Gentamycin	Kidney	97	0	ppm	97	0	0	0	0	0	0	0	0
Lincomycin	Kidney	97	0	ppm	97	0	0	0	0	0	0	0	0
Spectinomycin	Kidney	97	0	ppm	97	0	0	0	0	0	0	0	0
Tilmicosin	Kidney	97	1	ppb	96	0	0	0	0	0	1	0	0
Pirlimycin	Kidney	97	0	ppm	97	0	0	0	0	0	0	0	0
Clindamycin	Kidney	97	0	ppm	97	0	0	0	0	0	0	0	0
Dihydrostreptomycin	Kidney	97	0	ppm	97	0	0	0	0	0	0	0	0
Tobramycin	Kidney	97	0	ppm	97	0	0	0	0	0	0	0	0
Kanamycin	Kidney	97	0	ppm	97	0	0	0	0	0	0	0	0

Table 22a - *continued*
Residue Data -Non-formula-fed Veal
2004 Domestic Monitoring Plan

					Amount Found in Sample								
Residue	**Tissue**	**Number Samples**	**Viol-ations**	**Units**	**None**	**-0.01 0.10**	**-0.11 0.20**	**-0.21 0.30**	**-0.31 0.50**	**-0.51 1.00**	**-1.01 2.50**	**-2.51 5.00**	**Over 5.00**
Hygromycin	Kidney	97	0	ppm	97	0	0	0	0	0	0	0	0
Amikacin	Kidney	97	0	ppm	97	0	0	0	0	0	0	0	0
Aprimycin	Kidney	97	0	ppm	97	0	0	0	0	0	0	0	0
Tetracyclines Re	Kidney	97	0	ppm	95	0	0	0	0	2	0	0	0
Swab Pos-Bioa Ne	Kidney	97	0	ppm	97	0	0	0	0	0	0	0	0
Coumaphos	Fat	101	0	ppm	101	0	0	0	0	0	0	0	0
Ethion	Fat	101	0	ppm	101	0	0	0	0	0	0	0	0
Parathion	Fat	101	0	ppm	101	0	0	0	0	0	0	0	0
Ronnel	Fat	101	0	ppm	101	0	0	0	0	0	0	0	0
Stirofos	Fat	101	0	ppm	101	0	0	0	0	0	0	0	0
Chlorpyrifos	Fat	101	0	ppm	101	0	0	0	0	0	0	0	0
Famphur	Fat	101	0	ppm	101	0	0	0	0	0	0	0	0
Carbophenothion	Fat	101	0	ppm	101	0	0	0	0	0	0	0	0
Chlorfenvinphos	Fat	101	0	ppm	101	0	0	0	0	0	0	0	0
S-Ethoxypyridazine	Liver	143	0	ppm	143	0	0	0	0	0	0	0	0
S-Chlorpyridazine	Liver	143	0	ppm	143	0	0	0	0	0	0	0	0
Sulfadimethoxine	Liver	143	0	ppm	143	0	0	0	0	0	0	0	0
Sulfamethazine	Liver	143	0	ppm	143	0	0	0	0	0	0	0	0
S-Chloropyrazine	Liver	143	0	ppm	143	0	0	0	0	0	0	0	0
S-Methoxypyridazine	Liver	143	0	ppm	143	0	0	0	0	0	0	0	0
Sulfamerazine	Liver	143	0	ppm	143	0	0	0	0	0	0	0	0
Sulfathiazole	Liver	143	0	ppm	143	0	0	0	0	0	0	0	0
Sulfaquinoxaline	Liver	143	0	ppm	143	0	0	0	0	0	0	0	0
S-Bromomethazine	Liver	143	0	ppm	143	0	0	0	0	0	0	0	0
Sulfamethiazole	Liver	143	0	ppm	143	0	0	0	0	0	0	0	0
Sulfanilamide	Liver	143	0	ppm	143	0	0	0	0	0	0	0	0
Sulfapyridine	Liver	143	0	ppm	143	0	0	0	0	0	0	0	0
Sulfadiazine	Liver	143	0	ppm	143	0	0	0	0	0	0	0	0
Sulfadoxine	Liver	143	0	ppm	143	0	0	0	0	0	0	0	0
Sulfamethoxazole	Liver	143	0	ppm	143	0	0	0	0	0	0	0	0
Phenylbutazone	Fat	101	0	ppb	101	0	0	0	0	0	0	0	0
Doramectin	Liver	63	0	ppb	63	0	0	0	0	0	0	0	0
Moxidectin	Liver	63	0	ppb	63	0	0	0	0	0	0	0	0
Ivermectin	Liver	63	0	ppb	62	0	0	0	0	0	0	0	1

Table 22b
Residue Data by Compound Class - Non-formula-fed Veal
2004 Domestic Monitoring Plan

Residue Compound or Compound Class	Samples Tested	Samples Violative	Percent Violative Samples	Upper 95% Confidence Limit
Antibiotics	97	3	3.1	7.8
Avermectins	63	0	0	4.6
Chloramphenicol	70	0	0	4.2
Chlorinated Hydrocarbons	101	1	1.0	4.6
Chlorinated Organophosphates	101	0	0	2.9
Phenylbutazone	101	0	0	2.9
Sulfonamides	143	0	0	2.1
Total	**676**	**4**		

Table 23a
Residue Data - Heavy Calves
2004 Domestic Monitoring Plan

Residue	Tissue	Number Samples	Viol-ations	Units	None	-0.01 0.10	-0.11 0.20	-0.21 0.30	-0.31 0.50	-0.51 1.00	-1.01 2.50	-2.51 5.00	Over 5.00
					---------- Amount Found in Sample ----------								
Aldrin	Fat	244	0	ppm	244	0	0	0	0	0	0	0	0
BHC	Fat	244	0	ppm	244	0	0	0	0	0	0	0	0
Chlordane	Fat	244	0	ppm	244	0	0	0	0	0	0	0	0
Dieldrin	Fat	244	0	ppm	244	0	0	0	0	0	0	0	0
DDT	Fat	244	0	ppm	238	2	2	0	0	2	0	0	0
Endrin	Fat	244	0	ppm	244	0	0	0	0	0	0	0	0
Heptachlor	Fat	244	0	ppm	244	0	0	0	0	0	0	0	0
Lindane	Fat	244	0	ppm	244	0	0	0	0	0	0	0	0
Methoxychlor	Fat	244	0	ppm	244	0	0	0	0	0	0	0	0
Toxaphene	Fat	244	0	ppm	244	0	0	0	0	0	0	0	0
PCB	Fat	244	0	ppm	244	0	0	0	0	0	0	0	0
HCB	Fat	244	0	ppm	244	0	0	0	0	0	0	0	0
Mirex	Fat	244	0	ppm	244	0	0	0	0	0	0	0	0
Strobane	Fat	244	0	ppm	244	0	0	0	0	0	0	0	0
Nonachlor	Fat	244	0	ppm	244	0	0	0	0	0	0	0	0
Endosulfan I	Fat	244	0	ppm	244	0	0	0	0	0	0	0	0
Linuron	Fat	244	0	ppm	244	0	0	0	0	0	0	0	0
Phosalone	Fat	244	0	ppm	244	0	0	0	0	0	0	0	0
Dicofol	Fat	244	0	ppm	244	0	0	0	0	0	0	0	0
Pentachloroaniline	Fat	244	0	ppm	244	0	0	0	0	0	0	0	0
Heptachlor Epoxide	Fat	244	0	ppm	244	0	0	0	0	0	0	0	0
Halowax	Fat	244	0	ppm	244	0	0	0	0	0	0	0	0
PBB	Fat	244	0	ppm	244	0	0	0	0	0	0	0	0
Penicillin	Kidney	141	0	ppm	141	0	0	0	0	0	0	0	0
Streptomycin	Kidney	141	0	ppm	141	0	0	0	0	0	0	0	0
Tetracycline	Kidney	141	0	ppm	141	0	0	0	0	0	0	0	0
Tylosin	Kidney	141	0	ppm	141	0	0	0	0	0	0	0	0
Erythromycin	Kidney	141	0	ppm	141	0	0	0	0	0	0	0	0
Neomycin	Kidney	141	0	ppm	141	0	0	0	0	0	0	0	0
Oxytetracycline	Kidney	141	0	ppm	141	0	0	0	0	0	0	0	0
Chlortetracycline	Kidney	141	0	ppm	141	0	0	0	0	0	0	0	0
Unid Micro Inhib	Kidney	141	0	ppm	141	0	0	0	0	0	0	0	0
Gentamycin	Kidney	141	1	ppm	140	0	0	0	0	1	0	0	0
Lincomycin	Kidney	141	0	ppm	141	0	0	0	0	0	0	0	0
Spectinomycin	Kidney	141	0	ppm	141	0	0	0	0	0	0	0	0
Tilmicosin	Kidney	141	1	ppb	140	0	0	0	0	1	0	0	0
Pirlimycin	Kidney	141	0	ppm	141	0	0	0	0	0	0	0	0
Clindamycin	Kidney	141	0	ppm	141	0	0	0	0	0	0	0	0
Dihydrostreptomycin	Kidney	141	0	ppm	141	0	0	0	0	0	0	0	0
Tobramycin	Kidney	141	0	ppm	141	0	0	0	0	0	0	0	0
Kanamycin	Kidney	141	0	ppm	141	0	0	0	0	0	0	0	0
Hygromycin	Kidney	141	0	ppm	141	0	0	0	0	0	0	0	0

Table 23a - *continued*
Residue Data - Heavy Calves
2004 Domestic Monitoring Plan

Residue	Tissue	Number Samples	Viol-ations	Units	None	-0.01 0.10	-0.11 0.20	-0.21 0.30	-0.31 0.50	-0.51 1.00	-1.01 2.50	-2.51 5.00	Over 5.00
					---------- Amount Found in Sample ----------								
Amikacin	Kidney	141	0	ppm	141	0	0	0	0	0	0	0	0
Aprimycin	Kidney	141	0	ppm	141	0	0	0	0	0	0	0	0
Tetracyclines Re	Kidney	141	0	ppm	140	0	0	0	0	1	0	0	0
Swab Pos-Bioa Ne	Kidney	141	0	ppm	141	0	0	0	0	0	0	0	0
Coumaphos	Fat	244	0	ppm	244	0	0	0	0	0	0	0	0
Ethion	Fat	244	0	ppm	244	0	0	0	0	0	0	0	0
Parathion	Fat	244	0	ppm	244	0	0	0	0	0	0	0	0
Ronnel	Fat	244	0	ppm	244	0	0	0	0	0	0	0	0
Stirofos	Fat	244	0	ppm	244	0	0	0	0	0	0	0	0
Chlorpyrifos	Fat	244	0	ppm	244	0	0	0	0	0	0	0	0
Famphur	Fat	244	0	ppm	244	0	0	0	0	0	0	0	0
Carbophenothion	Fat	244	0	ppm	244	0	0	0	0	0	0	0	0
Chlorfenvinphos	Fat	244	0	ppm	244	0	0	0	0	0	0	0	0
S-Ethoxypyridazine	Liver	268	0	ppm	268	0	0	0	0	0	0	0	0
S-Chlorpyridazine	Liver	268	0	ppm	268	0	0	0	0	0	0	0	0
Sulfadimethoxine	Liver	268	0	ppm	268	0	0	0	0	0	0	0	0
Sulfamethazine	Liver	268	0	ppm	268	0	0	0	0	0	0	0	0
S-Chloropyrazine	Liver	268	0	ppm	268	0	0	0	0	0	0	0	0
S-Methoxypyridazine	Liver	268	0	ppm	268	0	0	0	0	0	0	0	0
Sulfamerazine	Liver	268	0	ppm	268	0	0	0	0	0	0	0	0
Sulfathiazole	Liver	268	0	ppm	268	0	0	0	0	0	0	0	0
Sulfaquinoxaline	Liver	268	0	ppm	268	0	0	0	0	0	0	0	0
S-Bromomethazine	Liver	268	0	ppm	268	0	0	0	0	0	0	0	0
Sulfamethiazole	Liver	268	0	ppm	268	0	0	0	0	0	0	0	0
Sulfanilamide	Liver	268	0	ppm	268	0	0	0	0	0	0	0	0
Sulfapyridine	Liver	268	0	ppm	268	0	0	0	0	0	0	0	0
Sulfadiazine	Liver	268	0	ppm	268	0	0	0	0	0	0	0	0
Sulfadoxine	Liver	268	0	ppm	268	0	0	0	0	0	0	0	0
Sulfamethoxazole	Liver	268	0	ppm	268	0	0	0	0	0	0	0	0
Phenylbutazone	Fat	244	0	ppb	244	0	0	0	0	0	0	0	0

Table 23b
Residue Data by Compound Class - Heavy Calves
2004 Domestic Monitoring Plan

Residue Compound or Compound Class	Samples Tested	Samples Violative	Percent Violative Samples	Upper 95% Confidence Limit
Antibiotics	141	2	1.4	4.4
Chlorinated Hydrocarbons	244	0	0	1.3
Chlorinated Organophosphates	244	0	0	1.3
Phenylbutazone	244	0	0	1.3
Sulfonamides	268	0	0	1.1
Total	**1141**	**2**		

Table 24a
Residue Data - Mature Sheep
2004 Domestic Monitoring Plan

Residue	Tissue	Number Samples	Viol-ations	Units	None	-0.01 0.10	-0.11 0.20	-0.21 0.30	-0.31 0.50	-0.51 1.00	-1.01 2.50	-2.51 5.00	Over 5.00
					---------- Amount Found in Sample ----------								
Aldrin	Fat	155	0	ppm	155	0	0	0	0	0	0	0	0
BHC	Fat	155	0	ppm	155	0	0	0	0	0	0	0	0
Chlordane	Fat	155	0	ppm	155	0	0	0	0	0	0	0	0
Dieldrin	Fat	155	0	ppm	155	0	0	0	0	0	0	0	0
DDT	Fat	155	0	ppm	152	1	1	0	0	1	0	0	0
Endrin	Fat	155	0	ppm	155	0	0	0	0	0	0	0	0
Heptachlor	Fat	155	0	ppm	155	0	0	0	0	0	0	0	0
Lindane	Fat	155	0	ppm	155	0	0	0	0	0	0	0	0
Methoxychlor	Fat	155	0	ppm	155	0	0	0	0	0	0	0	0
Toxaphene	Fat	155	0	ppm	155	0	0	0	0	0	0	0	0
PCB	Fat	155	0	ppm	155	0	0	0	0	0	0	0	0
HCB	Fat	155	0	ppm	155	0	0	0	0	0	0	0	0
Mirex	Fat	155	0	ppm	155	0	0	0	0	0	0	0	0
Strobane	Fat	155	0	ppm	155	0	0	0	0	0	0	0	0
Nonachlor	Fat	155	0	ppm	155	0	0	0	0	0	0	0	0
Endosulfan I	Fat	155	0	ppm	155	0	0	0	0	0	0	0	0
Linuron	Fat	155	0	ppm	155	0	0	0	0	0	0	0	0
Phosalone	Fat	155	0	ppm	155	0	0	0	0	0	0	0	0
Dicofol	Fat	155	0	ppm	155	0	0	0	0	0	0	0	0
Pentachloroaniline	Fat	155	0	ppm	155	0	0	0	0	0	0	0	0
Heptachlor Epoxide	Fat	155	0	ppm	155	0	0	0	0	0	0	0	0
Halowax	Fat	155	0	ppm	155	0	0	0	0	0	0	0	0
PBB	Fat	155	0	ppm	155	0	0	0	0	0	0	0	0
Coumaphos	Fat	155	0	ppm	155	0	0	0	0	0	0	0	0
Ethion	Fat	155	0	ppm	155	0	0	0	0	0	0	0	0
Parathion	Fat	155	0	ppm	155	0	0	0	0	0	0	0	0
Ronnel	Fat	155	0	ppm	155	0	0	0	0	0	0	0	0
Stirofos	Fat	155	0	ppm	155	0	0	0	0	0	0	0	0
Chlorpyrifos	Fat	155	0	ppm	155	0	0	0	0	0	0	0	0
Famphur	Fat	155	0	ppm	155	0	0	0	0	0	0	0	0
Carbophenothion	Fat	155	0	ppm	155	0	0	0	0	0	0	0	0
Chlorfenvinphos	Fat	155	0	ppm	155	0	0	0	0	0	0	0	0
Phenylbutazone	Fat	155	0	ppb	155	0	0	0	0	0	0	0	0
Doramectin	Liver	74	1	ppb	73	0	0	0	0	0	0	0	1
Moxidectin	Liver	74	0	ppb	74	0	0	0	0	0	0	0	0
Ivermectin	Liver	74	0	ppb	73	0	0	0	0	0	0	0	1

Table 24b
Residue Data by Compound Class - Mature Sheeps
2004 Domestic Monitoring Plan

Residue Compound or Compound Class	Samples Tested	Samples Violative	Percent Violative Samples	Upper 95% Confidence Limit
Avermectins	74	1	1.4	6.2
Chlorinated Hydrocarbons	155	0	0	1.9
Chlorinated Organophosphates	155	0	0	1.9
Phenylbutazone	155	0	0	1.9
Total	**539**	**1**		

Table 25a
Residue Data - Lambs
2004 Domestic Monitoring Plan

					Amount Found in Sample								
Residue	**Tissue**	**Number Samples**	**Viol-ations**	**Units**	**None**	**-0.01 0.10**	**-0.11 0.20**	**-0.21 0.30**	**-0.31 0.50**	**-0.51 1.00**	**-1.01 2.50**	**-2.51 5.00**	**Over 5.00**
Aldrin	Fat	245	0	ppm	245	0	0	0	0	0	0	0	0
BHC	Fat	245	0	ppm	245	0	0	0	0	0	0	0	0
Chlordane	Fat	245	0	ppm	245	0	0	0	0	0	0	0	0
Dieldrin	Fat	245	0	ppm	245	0	0	0	0	0	0	0	0
DDT	Fat	245	0	ppm	231	2	10	2	0	0	0	0	0
Endrin	Fat	245	0	ppm	245	0	0	0	0	0	0	0	0
Heptachlor	Fat	245	0	ppm	245	0	0	0	0	0	0	0	0
Lindane	Fat	245	0	ppm	245	0	0	0	0	0	0	0	0
Methoxychlor	Fat	245	0	ppm	245	0	0	0	0	0	0	0	0
Toxaphene	Fat	245	0	ppm	245	0	0	0	0	0	0	0	0
PCB	Fat	245	0	ppm	245	0	0	0	0	0	0	0	0
HCB	Fat	245	0	ppm	245	0	0	0	0	0	0	0	0
Mirex	Fat	245	0	ppm	245	0	0	0	0	0	0	0	0
Strobane	Fat	245	0	ppm	245	0	0	0	0	0	0	0	0
Nonachlor	Fat	245	0	ppm	245	0	0	0	0	0	0	0	0
Endosulfan I	Fat	245	0	ppm	245	0	0	0	0	0	0	0	0
Linuron	Fat	245	0	ppm	245	0	0	0	0	0	0	0	0
Phosalone	Fat	245	0	ppm	245	0	0	0	0	0	0	0	0
Dicofol	Fat	245	0	ppm	245	0	0	0	0	0	0	0	0
Pentachloroaniline	Fat	245	0	ppm	245	0	0	0	0	0	0	0	0
Heptachlor Epoxide	Fat	245	0	ppm	245	0	0	0	0	0	0	0	0
Halowax	Fat	245	0	ppm	245	0	0	0	0	0	0	0	0
PBB	Fat	245	0	ppm	245	0	0	0	0	0	0	0	0
Penicillin	Kidney	222	0	ppm	222	0	0	0	0	0	0	0	0
Streptomycin	Kidney	222	0	ppm	222	0	0	0	0	0	0	0	0
Tetracycline	Kidney	222	0	ppm	222	0	0	0	0	0	0	0	0
Tylosin	Kidney	222	0	ppm	222	0	0	0	0	0	0	0	0
Erythromycin	Kidney	222	0	ppm	222	0	0	0	0	0	0	0	0
Neomycin	Kidney	222	0	ppm	222	0	0	0	0	0	0	0	0
Oxytetracycline	Kidney	222	0	ppm	222	0	0	0	0	0	0	0	0
Chlortetracycline	Kidney	222	0	ppm	222	0	0	0	0	0	0	0	0
Unid Micro Inhib	Kidney	222	0	ppm	222	0	0	0	0	0	0	0	0
Gentamycin	Kidney	222	0	ppm	222	0	0	0	0	0	0	0	0
Lincomycin	Kidney	222	0	ppm	222	0	0	0	0	0	0	0	0
Spectinomycin	Kidney	222	0	ppm	222	0	0	0	0	0	0	0	0
Tilmicosin	Kidney	222	0	ppb	222	0	0	0	0	0	0	0	0
Pirlimycin	Kidney	222	0	ppm	222	0	0	0	0	0	0	0	0
Clindamycin	Kidney	222	0	ppm	222	0	0	0	0	0	0	0	0
Dihydrostreptomycin	Kidney	222	0	ppm	222	0	0	0	0	0	0	0	0
Tobramycin	Kidney	222	0	ppm	222	0	0	0	0	0	0	0	0
Kanamycin	Kidney	222	0	ppm	222	0	0	0	0	0	0	0	0
Hygromycin	Kidney	222	0	ppm	222	0	0	0	0	0	0	0	0

Table 25a - *continued*
Residue Data - Lambs
2004 Domestic Monitoring Plan

Residue	Tissue	Number Samples	Viol-ations	Units	None	-0.01 0.10	-0.11 0.20	-0.21 0.30	-0.31 0.50	-0.51 1.00	-1.01 2.50	-2.51 5.00	Over 5.00
					---------- Amount Found in Sample ----------								
Amikacin	Kidney	222	0	ppm	222	0	0	0	0	0	0	0	0
Aprimycin	Kidney	222	0	ppm	222	0	0	0	0	0	0	0	0
Tetracyclines Re	Kidney	222	0	ppm	220	0	0	0	0	2	0	0	0
Swab Pos-Bioa Ne	Kidney	222	0	ppm	222	0	0	0	0	0	0	0	0
Coumaphos	Fat	245	0	ppm	245	0	0	0	0	0	0	0	0
Ethion	Fat	245	0	ppm	245	0	0	0	0	0	0	0	0
Parathion	Fat	245	0	ppm	245	0	0	0	0	0	0	0	0
Ronnel	Fat	245	0	ppm	245	0	0	0	0	0	0	0	0
Stirofos	Fat	245	0	ppm	245	0	0	0	0	0	0	0	0
Chlorpyrifos	Fat	245	0	ppm	245	0	0	0	0	0	0	0	0
Famphur	Fat	245	0	ppm	245	0	0	0	0	0	0	0	0
Carbophenothion	Fat	245	0	ppm	245	0	0	0	0	0	0	0	0
Chlorfenvinphos	Fat	245	0	ppm	245	0	0	0	0	0	0	0	0
S-Ethoxypyridazine	Liver	230	0	ppm	230	0	0	0	0	0	0	0	0
S-Chlorpyridazine	Liver	230	0	ppm	230	0	0	0	0	0	0	0	0
Sulfadimethoxine	Liver	230	0	ppm	230	0	0	0	0	0	0	0	0
Sulfamethazine	Liver	230	0	ppm	230	0	0	0	0	0	0	0	0
S-Chloropyrazine	Liver	230	0	ppm	230	0	0	0	0	0	0	0	0
S-Methoxypyridazine	Liver	230	0	ppm	230	0	0	0	0	0	0	0	0
Sulfamerazine	Liver	230	0	ppm	230	0	0	0	0	0	0	0	0
Sulfathiazole	Liver	230	0	ppm	230	0	0	0	0	0	0	0	0
Sulfaquinoxaline	Liver	230	0	ppm	230	0	0	0	0	0	0	0	0
S-Bromomethazine	Liver	230	0	ppm	230	0	0	0	0	0	0	0	0
Sulfamethiazole	Liver	230	0	ppm	230	0	0	0	0	0	0	0	0
Sulfanilamide	Liver	230	0	ppm	230	0	0	0	0	0	0	0	0
Sulfapyridine	Liver	230	0	ppm	230	0	0	0	0	0	0	0	0
Sulfadiazine	Liver	230	0	ppm	230	0	0	0	0	0	0	0	0
Sulfadoxine	Liver	230	0	ppm	230	0	0	0	0	0	0	0	0
Sulfamethoxazole	Liver	230	0	ppm	230	0	0	0	0	0	0	0	0
Phenylbutazone	Fat	245	0	ppb	245	0	0	0	0	0	0	0	0

Table 25b
Residue Data by Compound Class - Lambs
2004 Domestic Monitoring Plan

Residue Compound or Compound Class	Samples Tested	Samples Violative	Percent Violative Samples	Upper 95% Confidence Limit
Antibiotics	222	0	0	1.3
Chlorinated Hydrocarbons	245	0	0	1.2
Chlorinated Organophosphates	245	0	0	1.2
Phenylbutazone	245	0	0	1.2
Sulfonamides	230	0	0	1.3
Total	**1187**	**0**		

Table 26a
Residue Data - Goats
2004 Domestic Monitoring Plan

Residue	Tissue	Number Samples	Viol-ations	Units	None	-0.01 0.10	-0.11 0.20	-0.21 0.30	-0.31 0.50	-0.51 1.00	-1.01 2.50	-2.51 5.00	Over 5.00
					---------- Amount Found in Sample ----------								
Aldrin	Fat	222	0	ppm	222	0	0	0	0	0	0	0	0
BHC	Fat	222	0	ppm	222	0	0	0	0	0	0	0	0
Chlordane	Fat	222	0	ppm	222	0	0	0	0	0	0	0	0
Dieldrin	Fat	222	0	ppm	222	0	0	0	0	0	0	0	0
DDT	Fat	222	0	ppm	221	0	0	0	0	1	0	0	0
Endrin	Fat	222	0	ppm	222	0	0	0	0	0	0	0	0
Heptachlor	Fat	222	0	ppm	222	0	0	0	0	0	0	0	0
Lindane	Fat	222	0	ppm	222	0	0	0	0	0	0	0	0
Methoxychlor	Fat	222	0	ppm	222	0	0	0	0	0	0	0	0
Toxaphene	Fat	222	0	ppm	222	0	0	0	0	0	0	0	0
PCB	Fat	222	0	ppm	222	0	0	0	0	0	0	0	0
HCB	Fat	222	0	ppm	222	0	0	0	0	0	0	0	0
Mirex	Fat	222	0	ppm	222	0	0	0	0	0	0	0	0
Strobane	Fat	222	0	ppm	222	0	0	0	0	0	0	0	0
Nonachlor	Fat	222	0	ppm	222	0	0	0	0	0	0	0	0
Endosulfan I	Fat	222	0	ppm	222	0	0	0	0	0	0	0	0
Linuron	Fat	222	0	ppm	222	0	0	0	0	0	0	0	0
Phosalone	Fat	222	0	ppm	222	0	0	0	0	0	0	0	0
Dicofol	Fat	222	0	ppm	222	0	0	0	0	0	0	0	0
Pentachloroaniline	Fat	222	0	ppm	222	0	0	0	0	0	0	0	0
Heptachlor Epoxide	Fat	222	0	ppm	222	0	0	0	0	0	0	0	0
Halowax	Fat	222	0	ppm	222	0	0	0	0	0	0	0	0
PBB	Fat	222	0	ppm	222	0	0	0	0	0	0	0	0
Coumaphos	Fat	222	0	ppm	222	0	0	0	0	0	0	0	0
Ethion	Fat	222	0	ppm	222	0	0	0	0	0	0	0	0
Parathion	Fat	222	0	ppm	222	0	0	0	0	0	0	0	0
Ronnel	Fat	222	0	ppm	222	0	0	0	0	0	0	0	0
Stirofos	Fat	222	0	ppm	222	0	0	0	0	0	0	0	0
Chlorpyrifos	Fat	222	0	ppm	222	0	0	0	0	0	0	0	0
Famphur	Fat	222	0	ppm	222	0	0	0	0	0	0	0	0
Carbophenothion	Fat	222	0	ppm	222	0	0	0	0	0	0	0	0
Chlorfenvinphos	Fat	222	0	ppm	222	0	0	0	0	0	0	0	0
Arsenic	Liver	68	0	ppm	68	0	0	0	0	0	0	0	0
Phenylbutazone	Fat	222	0	ppb	222	0	0	0	0	0	0	0	0
Doramectin	Liver	232	0	ppb	232	0	0	0	0	0	0	0	0
Moxidectin	Liver	232	11	ppb	221	0	0	0	0	0	0	0	11
Ivermectin	Liver	232	1	ppb	231	0	0	0	0	0	0	0	1

Table 26b
Residue Data by Compound Class - Goats
2004 Domestic Monitoring Plan

Residue Compound or Compound Class	Samples Tested	Samples Violative	Percent Violative Samples	Upper 95% Confidence Limit
Arsenic	68	0	0	4.3
Avermectins	232	1.2	5.2	8.2
Chlorinated Hydrocarbons	222	0	0	1.3
Chlorinated Organophosphates	222	0	0	1.3
Phenylbutazone	222	0	0	1.3
Total	**966**	**2**		

Table 27a
Residue Data - Market Hogs
2004 Domestic Monitoring Plan

					Amount Found in Sample								
Residue	**Tissue**	**Number Samples**	**Viol-ations**	**Units**	**None**	**-0.01 0.10**	**-0.11 0.20**	**-0.21 0.30**	**-0.31 0.50**	**-0.51 1.00**	**-1.01 2.50**	**-2.51 5.00**	**Over 5.00**
Aldrin	Fat	445	0	ppm	445	0	0	0	0	0	0	0	0
BHC	Fat	445	0	ppm	445	0	0	0	0	0	0	0	0
Chlordane	Fat	445	0	ppm	445	0	0	0	0	0	0	0	0
Dieldrin	Fat	445	0	ppm	445	0	0	0	0	0	0	0	0
DDT	Fat	445	0	ppm	442	0	1	0	1	0	1	0	0
Endrin	Fat	445	0	ppm	445	0	0	0	0	0	0	0	0
Heptachlor	Fat	445	0	ppm	445	0	0	0	0	0	0	0	0
Lindane	Fat	445	0	ppm	445	0	0	0	0	0	0	0	0
Methoxychlor	Fat	445	0	ppm	445	0	0	0	0	0	0	0	0
Toxaphene	Fat	445	0	ppm	445	0	0	0	0	0	0	0	0
PCB	Fat	445	0	ppm	445	0	0	0	0	0	0	0	0
HCB	Fat	445	0	ppm	445	0	0	0	0	0	0	0	0
Mirex	Fat	445	0	ppm	445	0	0	0	0	0	0	0	0
Strobane	Fat	445	0	ppm	445	0	0	0	0	0	0	0	0
Nonachlor	Fat	445	0	ppm	445	0	0	0	0	0	0	0	0
Endosulfan I	Fat	445	0	ppm	445	0	0	0	0	0	0	0	0
Linuron	Fat	445	0	ppm	445	0	0	0	0	0	0	0	0
Phosalone	Fat	445	0	ppm	445	0	0	0	0	0	0	0	0
Dicofol	Fat	445	0	ppm	445	0	0	0	0	0	0	0	0
Pentachloroaniline	Fat	445	0	ppm	445	0	0	0	0	0	0	0	0
Heptachlor Epoxide	Fat	445	0	ppm	445	0	0	0	0	0	0	0	0
Halowax	Fat	445	0	ppm	445	0	0	0	0	0	0	0	0
PBB	Fat	445	0	ppm	445	0	0	0	0	0	0	0	0
Penicillin	Kidney	948	0	ppm	948	0	0	0	0	0	0	0	0
Streptomycin	Kidney	948	0	ppm	948	0	0	0	0	0	0	0	0
Tetracycline	Kidney	948	0	ppm	948	0	0	0	0	0	0	0	0
Tylosin	Kidney	948	0	ppm	948	0	0	0	0	0	0	0	0
Erythromycin	Kidney	948	0	ppm	948	0	0	0	0	0	0	0	0
Neomycin	Kidney	948	0	ppm	948	0	0	0	0	0	0	0	0
Oxytetracycline	Kidney	948	0	ppm	948	0	0	0	0	0	0	0	0
Chlortetracycline	Kidney	948	0	ppm	946	0	0	1	0	0	1	0	0
Unid Micro Inhib	Kidney	948	0	ppm	926	22	0	0	0	0	0	0	0
Gentamycin	Kidney	948	0	ppm	948	0	0	0	0	0	0	0	0
Lincomycin	Kidney	948	0	ppm	948	0	0	0	0	0	0	0	0
Spectinomycin	Kidney	948	0	ppm	948	0	0	0	0	0	0	0	0
Tilmicosin	Kidney	948	0	ppb	948	0	0	0	0	0	0	0	0
Pirlimycin	Kidney	948	0	ppm	948	0	0	0	0	0	0	0	0
Clindamycin	Kidney	948	0	ppm	948	0	0	0	0	0	0	0	0
Dihydrostreptomycin	Kidney	948	0	ppm	948	0	0	0	0	0	0	0	0
Tobramycin	Kidney	948	0	ppm	948	0	0	0	0	0	0	0	0
Kanamycin	Kidney	948	0	ppm	948	0	0	0	0	0	0	0	0
Hygromycin	Kidney	948	0	ppm	948	0	0	0	0	0	0	0	0

Table 27a - *continued*
Residue Data - Market Hogs
2004 Domestic Monitoring Plan

					Amount Found in Sample								
Residue	**Tissue**	**Number Samples**	**Viol-ations**	**Units**	**None**	**-0.01 0.10**	**-0.11 0.20**	**-0.21 0.30**	**-0.31 0.50**	**-0.51 1.00**	**-1.01 2.50**	**-2.51 5.00**	**Over 5.00**
Amikacin	Kidney	948	0	ppm	948	0	0	0	0	0	0	0	0
Aprimycin	Kidney	948	0	ppm	948	0	0	0	0	0	0	0	0
Tetracyclines Re	Kidney	948	0	ppm	920	0	0	0	0	28	0	0	0
Swab Pos-Bioa Ne	Kidney	948	0	ppm	948	0	0	0	0	0	0	0	0
Coumaphos	Fat	445	0	ppm	445	0	0	0	0	0	0	0	0
Ethion	Fat	445	0	ppm	445	0	0	0	0	0	0	0	0
Parathion	Fat	445	0	ppm	445	0	0	0	0	0	0	0	0
Ronnel	Fat	445	0	ppm	445	0	0	0	0	0	0	0	0
Stirofos	Fat	445	0	ppm	445	0	0	0	0	0	0	0	0
Chlorpyrifos	Fat	445	0	ppm	445	0	0	0	0	0	0	0	0
Famphur	Fat	445	0	ppm	445	0	0	0	0	0	0	0	0
Carbophenothion	Fat	445	0	ppm	445	0	0	0	0	0	0	0	0
Chlorfenvinphos	Fat	445	0	ppm	445	0	0	0	0	0	0	0	0
Clenbuterol	Eyebal	274	0	ppb	274	0	0	0	0	0	0	0	0
Salbutamol	Eyebal	274	0	ppb	274	0	0	0	0	0	0	0	0
Cimaterol	Eyebal	274	0	ppb	274	0	0	0	0	0	0	0	0
S-Ethoxypyridazine	Liver	910	0	ppm	910	0	0	0	0	0	0	0	0
S-Chlorpyridazine	Liver	910	0	ppm	910	0	0	0	0	0	0	0	0
Sulfadimethoxine	Liver	910	0	ppm	910	0	0	0	0	0	0	0	0
Sulfamethazine	Liver	910	2	ppm	908	0	2	0	0	0	0	0	0
S-Chloropyrazine	Liver	910	0	ppm	910	0	0	0	0	0	0	0	0
S-Methoxypyridazine	Liver	910	0	ppm	910	0	0	0	0	0	0	0	0
Sulfamerazine	Liver	910	0	ppm	910	0	0	0	0	0	0	0	0
Sulfathiazole	Liver	910	1	ppm	909	0	1	0	0	0	0	0	0
Sulfaquinoxaline	Liver	910	0	ppm	910	0	0	0	0	0	0	0	0
S-Bromomethazine	Liver	910	0	ppm	910	0	0	0	0	0	0	0	0
Sulfamethiazole	Liver	910	0	ppm	910	0	0	0	0	0	0	0	0
Sulfanilamide	Liver	910	0	ppm	910	0	0	0	0	0	0	0	0
Sulfapyridine	Liver	910	0	ppm	910	0	0	0	0	0	0	0	0
Sulfadiazine	Liver	910	0	ppm	910	0	0	0	0	0	0	0	0
Sulfadoxine	Liver	910	0	ppm	910	0	0	0	0	0	0	0	0
Sulfamethoxazole	Liver	910	0	ppm	910	0	0	0	0	0	0	0	0
Phenylbutazone	Fat	445	0	ppb	445	0	0	0	0	0	0	0	0

Table 27b
Residue Data by Compound Class - Market Hogs
2004 Domestic Monitoring Plan

Residue Compound or Compound Class	Samples Tested	Samples Violative	Percent Violative Samples	Upper 95% Confidence Limit
Antibiotics	948	0	0	0.3
Chlorinated Hydrocarbons	445	0	0	0.7
Chlorinated Organophosphates	445	0	0	0.7
Beta Agonists	274	0	0	1.1
Phenylbutazone	445	0	0	0.7
Sulfonamides	910	3	3	0.8
Total	**3467**	**3**		

Table 28a
Residue Data - Boars/Stags
2004 Domestic Monitoring Plan

					Amount Found in Sample								
Residue	**Tissue**	**Number Samples**	**Viol-ations**	**Units**	**None**	**-0.01 0.10**	**-0.11 0.20**	**-0.21 0.30**	**-0.31 0.50**	**-0.51 1.00**	**-1.01 2.50**	**-2.51 5.00**	**Over 5.00**
Aldrin	Fat	252	0	ppm	252	0	0	0	0	0	0	0	0
BHC	Fat	252	0	ppm	252	0	0	0	0	0	0	0	0
Chlordane	Fat	252	0	ppm	252	0	0	0	0	0	0	0	0
Dieldrin	Fat	252	0	ppm	252	0	0	0	0	0	0	0	0
DDT	Fat	252	0	ppm	244	1	4	0	1	1	1	0	0
Endrin	Fat	252	0	ppm	252	0	0	0	0	0	0	0	0
Heptachlor	Fat	252	0	ppm	252	0	0	0	0	0	0	0	0
Lindane	Fat	252	0	ppm	252	0	0	0	0	0	0	0	0
Methoxychlor	Fat	252	0	ppm	252	0	0	0	0	0	0	0	0
Toxaphene	Fat	252	0	ppm	252	0	0	0	0	0	0	0	0
PCB	Fat	252	0	ppm	252	0	0	0	0	0	0	0	0
HCB	Fat	252	0	ppm	252	0	0	0	0	0	0	0	0
Mirex	Fat	252	0	ppm	252	0	0	0	0	0	0	0	0
Strobane	Fat	252	0	ppm	252	0	0	0	0	0	0	0	0
Nonachlor	Fat	252	0	ppm	252	0	0	0	0	0	0	0	0
Endosulfan I	Fat	252	0	ppm	252	0	0	0	0	0	0	0	0
Linuron	Fat	252	0	ppm	252	0	0	0	0	0	0	0	0
Phosalone	Fat	252	0	ppm	252	0	0	0	0	0	0	0	0
Dicofol	Fat	252	0	ppm	252	0	0	0	0	0	0	0	0
Pentachloroaniline	Fat	252	0	ppm	252	0	0	0	0	0	0	0	0
Heptachlor Epoxide	Fat	252	0	ppm	252	0	0	0	0	0	0	0	0
Halowax	Fat	252	2	ppm	250	0	0	0	0	0	0	0	2
PBB	Fat	252	0	ppm	252	0	0	0	0	0	0	0	0
Penicillin	Kidney	245	0	ppm	245	0	0	0	0	0	0	0	0
Streptomycin	Kidney	245	0	ppm	245	0	0	0	0	0	0	0	0
Tetracycline	Kidney	245	0	ppm	245	0	0	0	0	0	0	0	0
Tylosin	Kidney	245	0	ppm	245	0	0	0	0	0	0	0	0
Erythromycin	Kidney	245	0	ppm	245	0	0	0	0	0	0	0	0
Neomycin	Kidney	245	0	ppm	245	0	0	0	0	0	0	0	0
Oxytetracycline	Kidney	245	0	ppm	245	0	0	0	0	0	0	0	0
Chlortetracycline	Kidney	245	0	ppm	245	0	0	0	0	0	0	0	0
Unid Micro Inhib	Kidney	245	0	ppm	243	2	0	0	0	0	0	0	0
Gentamycin	Kidney	245	1	ppm	243	0	1	0	0	0	0	1	0
Lincomycin	Kidney	245	0	ppm	245	0	0	0	0	0	0	0	0
Spectinomycin	Kidney	245	0	ppm	245	0	0	0	0	0	0	0	0
Tilmicosin	Kidney	245	0	ppb	245	0	0	0	0	0	0	0	0
Pirlimycin	Kidney	245	0	ppm	245	0	0	0	0	0	0	0	0
Clindamycin	Kidney	245	0	ppm	245	0	0	0	0	0	0	0	0
Dihydrostreptomycin	Kidney	245	0	ppm	245	0	0	0	0	0	0	0	0
Tobramycin	Kidney	245	0	ppm	245	0	0	0	0	0	0	0	0
Kanamycin	Kidney	245	0	ppm	245	0	0	0	0	0	0	0	0
Hygromycin	Kidney	245	0	ppm	245	0	0	0	0	0	0	0	0

Table 28a - continued
Residue Data - Boars/Stags
2004 Domestic Monitoring Plan

Residue	Tissue	Number Samples	Viol-ations	Units	None	-0.01 0.10	-0.11 0.20	-0.21 0.30	-0.31 0.50	-0.51 1.00	-1.01 2.50	-2.51 5.00	Over 5.00
					---------- Amount Found in Sample ----------								
Amikacin	Kidney	245	0	ppm	245	0	0	0	0	0	0	0	0
Aprimycin	Kidney	245	0	ppm	245	0	0	0	0	0	0	0	0
Tetracyclines Re	Kidney	245	0	ppm	242	0	0	0	0	3	0	0	0
Swab Pos-Bioa Ne	Kidney	245	0	ppm	245	0	0	0	0	0	0	0	0
Coumaphos	Fat	252	0	ppm	252	0	0	0	0	0	0	0	0
Ethion	Fat	252	0	ppm	252	0	0	0	0	0	0	0	0
Parathion	Fat	252	0	ppm	252	0	0	0	0	0	0	0	0
Ronnel	Fat	252	0	ppm	252	0	0	0	0	0	0	0	0
Stirofos	Fat	252	0	ppm	252	0	0	0	0	0	0	0	0
Chlorpyrifos	Fat	252	0	ppm	252	0	0	0	0	0	0	0	0
Famphur	Fat	252	0	ppm	252	0	0	0	0	0	0	0	0
Carbophenothion	Fat	252	0	ppm	252	0	0	0	0	0	0	0	0
Chlorfenvinphos	Fat	252	0	ppm	252	0	0	0	0	0	0	0	0
S-Ethoxypyridazine	Liver	319	0	ppm	319	0	0	0	0	0	0	0	0
S-Chlorpyridazine	Liver	319	0	ppm	319	0	0	0	0	0	0	0	0
Sulfadimethoxine	Liver	319	0	ppm	319	0	0	0	0	0	0	0	0
Sulfamethazine	Liver	319	0	ppm	318	1	0	0	0	0	0	0	0
S-Chloropyrazine	Liver	319	0	ppm	319	0	0	0	0	0	0	0	0
S-Methoxypyridazine	Liver	319	0	ppm	319	0	0	0	0	0	0	0	0
Sulfamerazine	Liver	319	0	ppm	319	0	0	0	0	0	0	0	0
Sulfathiazole	Liver	319	0	ppm	319	0	0	0	0	0	0	0	0
Sulfaquinoxaline	Liver	319	0	ppm	319	0	0	0	0	0	0	0	0
S-Bromomethazine	Liver	319	0	ppm	319	0	0	0	0	0	0	0	0
Sulfamethiazole	Liver	319	0	ppm	319	0	0	0	0	0	0	0	0
Sulfanilamide	Liver	319	0	ppm	319	0	0	0	0	0	0	0	0
Sulfapyridine	Liver	319	0	ppm	319	0	0	0	0	0	0	0	0
Sulfadiazine	Liver	319	0	ppm	319	0	0	0	0	0	0	0	0
Sulfadoxine	Liver	319	0	ppm	319	0	0	0	0	0	0	0	0
Sulfamethoxazole	Liver	319	0	ppm	319	0	0	0	0	0	0	0	0
Phenylbutazone	Fat	252	0	ppb	252	0	0	0	0	0	0	0	0

Table 28b
Residue Data by Compound Class - Boars/Stags
2004 Domestic Monitoring Plan

Residue Compound or Compound Class	Samples Tested	Samples Violative	Percent Violative Samples	Upper 95% Confidence Limit
Antibiotics	245	1	0.4	1.9
Chlorinated Hydrocarbons	252	2	0.8	2.5
Chlorinated Organophosphates	252	0	0	1.2
Phenylbutazone	252	0	0	1.2
Sulfonamides	319	0	0	0.9
Total	**1320**	**3**		

Table 29a
Residue Data - Sows
2004 Domestic Monitoring Plan

					Amount Found in Sample								
Residue	**Tissue**	**Number Samples**	**Viol-ations**	**Units**	**None**	**-0.01 0.10**	**-0.11 0.20**	**-0.21 0.30**	**-0.31 0.50**	**-0.51 1.00**	**-1.01 2.50**	**-2.51 5.00**	**Over 5.00**
Aldrin	Fat	247	0	ppm	247	0	0	0	0	0	0	0	0
BHC	Fat	247	0	ppm	247	0	0	0	0	0	0	0	0
Chlordane	Fat	247	0	ppm	247	0	0	0	0	0	0	0	0
Dieldrin	Fat	247	0	ppm	247	0	0	0	0	0	0	0	0
DDT	Fat	247	0	ppm	245	0	1	0	0	0	0	1	0
Endrin	Fat	247	0	ppm	247	0	0	0	0	0	0	0	0
Heptachlor	Fat	247	0	ppm	247	0	0	0	0	0	0	0	0
Lindane	Fat	247	0	ppm	247	0	0	0	0	0	0	0	0
Methoxychlor	Fat	247	0	ppm	247	0	0	0	0	0	0	0	0
Toxaphene	Fat	247	0	ppm	247	0	0	0	0	0	0	0	0
PCB	Fat	247	0	ppm	247	0	0	0	0	0	0	0	0
HCB	Fat	247	0	ppm	247	0	0	0	0	0	0	0	0
Mirex	Fat	247	0	ppm	247	0	0	0	0	0	0	0	0
Strobane	Fat	247	0	ppm	247	0	0	0	0	0	0	0	0
Nonachlor	Fat	247	0	ppm	247	0	0	0	0	0	0	0	0
Endosulfan I	Fat	247	0	ppm	247	0	0	0	0	0	0	0	0
Linuron	Fat	247	0	ppm	247	0	0	0	0	0	0	0	0
Phosalone	Fat	247	0	ppm	247	0	0	0	0	0	0	0	0
Dicofol	Fat	247	0	ppm	247	0	0	0	0	0	0	0	0
Pentachloroaniline	Fat	247	0	ppm	247	0	0	0	0	0	0	0	0
Heptachlor Epoxide	Fat	247	0	ppm	247	0	0	0	0	0	0	0	0
Halowax	Fat	247	0	ppm	247	0	0	0	0	0	0	0	0
PBB	Fat	247	0	ppm	247	0	0	0	0	0	0	0	0
Penicillin	Kidney	256	1	ppm	255	0	0	0	0	0	1	0	0
Streptomycin	Kidney	256	0	ppm	256	0	0	0	0	0	0	0	0
Tetracycline	Kidney	256	0	ppm	256	0	0	0	0	0	0	0	0
Tylosin	Kidney	256	0	ppm	256	0	0	0	0	0	0	0	0
Erythromycin	Kidney	256	0	ppm	256	0	0	0	0	0	0	0	0
Neomycin	Kidney	256	0	ppm	256	0	0	0	0	0	0	0	0
Oxytetracycline	Kidney	256	0	ppm	256	0	0	0	0	0	0	0	0
Chlortetracycline	Kidney	256	0	ppm	256	0	0	0	0	0	0	0	0
Unid Micro Inhib	Kidney	256	0	ppm	254	2	0	0	0	0	0	0	0
Gentamycin	Kidney	256	1	ppm	255	0	0	0	0	1	0	0	0
Lincomycin	Kidney	256	0	ppm	256	0	0	0	0	0	0	0	0
Spectinomycin	Kidney	256	0	ppm	256	0	0	0	0	0	0	0	0
Tilmicosin	Kidney	256	0	ppb	256	0	0	0	0	0	0	0	0
Pirlimycin	Kidney	256	0	ppm	256	0	0	0	0	0	0	0	0
Clindamycin	Kidney	256	0	ppm	256	0	0	0	0	0	0	0	0
Dihydrostreptomycin	Kidney	256	0	ppm	256	0	0	0	0	0	0	0	0
Tobramycin	Kidney	256	0	ppm	256	0	0	0	0	0	0	0	0

Table 29a - *continued*
Residue Data - Sows
2004 Domestic Monitoring Plan

Residue	Tissue	Number Samples	Viol-ations	Units	None	-0.01 0.10	-0.11 0.20	-0.21 0.30	-0.31 0.50	-0.51 1.00	-1.01 2.50	-2.51 5.00	Over 5.00
					---------- Amount Found in Sample ----------								
Kanamycin	Kidney	256	0	ppm	256	0	0	0	0	0	0	0	0
Hygromycin	Kidney	256	0	ppm	256	0	0	0	0	0	0	0	0
Amikacin	Kidney	256	0	ppm	256	0	0	0	0	0	0	0	0
Aprimycin	Kidney	256	0	ppm	256	0	0	0	0	0	0	0	0
Tetracyclines Re	Kidney	256	0	ppm	255	0	0	0	0	1	0	0	0
Swab Pos-Bioa Ne	Kidney	256	0	ppm	256	0	0	0	0	0	0	0	0
Coumaphos	Fat	247	0	ppm	247	0	0	0	0	0	0	0	0
Ethion	Fat	247	0	ppm	247	0	0	0	0	0	0	0	0
Parathion	Fat	247	0	ppm	247	0	0	0	0	0	0	0	0
Ronnel	Fat	247	0	ppm	247	0	0	0	0	0	0	0	0
Stirofos	Fat	247	0	ppm	247	0	0	0	0	0	0	0	0
Chlorpyrifos	Fat	247	0	ppm	247	0	0	0	0	0	0	0	0
Famphur	Fat	247	0	ppm	247	0	0	0	0	0	0	0	0
Carbophenothion	Fat	247	0	ppm	247	0	0	0	0	0	0	0	0
Chlorfenvinphos	Fat	247	0	ppm	247	0	0	0	0	0	0	0	0
Phenylbutazone	Fat	247	0	ppb	247	0	0	0	0	0	0	0	0

Table 29b
Residue Data by Compound Class - Sows
2004 Domestic Monitoring Plan

Residue Compound or Compound Class	Samples Tested	Samples Violative	Percent Violative Samples	Upper 95% Confidence Limit
Antibiotics	256	2	0.8	2.4
Chlorinated Hydrocarbons	247	0	0	1.2
Chlorinated Organophosphates	247	0	0	1.2
Phenylbutazone	247	0	0	1.2
Total	**997**	**2**		

Table 30a
Residue Data - Roaster Pigs
2004 Domestic Monitoring Plan

					---------- Amount Found in Sample ----------								
Residue	**Tissue**	**Number Samples**	**Viol-ations**	**Units**	**None**	**-0.01 0.10**	**-0.11 0.20**	**-0.21 0.30**	**-0.31 0.50**	**-0.51 1.00**	**-1.01 2.50**	**-2.51 5.00**	**Over 5.00**
Carbadox	Liver	188	2	ppb	186	0	0	0	0	0	0	0	2

Table 30b
Residue Data by Compound Class - Roaster Pigs
2004 Domestic Monitoring Plan

Residue Compound or Compound Class	**Samples Tested**	**Samples Violative**	**Percent Violative Samples**	**Upper 95% Confidence Limit**
Carbadox	188	2	1.1	3.3
Total	**188**	**2**		

Table 31a
Residue Data - Young Chickens
2004 Domestic Monitoring Plan

					Amount Found in Sample								
Residue	**Tissue**	**Number Samples**	**Viol-ations**	**Units**	**None**	**-0.01 0.10**	**-0.11 0.20**	**-0.21 0.30**	**-0.31 0.50**	**-0.51 1.00**	**-1.01 2.50**	**-2.51 5.00**	**Over 5.00**
Aldrin	Fat	484	0	ppm	484	0	0	0	0	0	0	0	0
BHC	Fat	484	0	ppm	484	0	0	0	0	0	0	0	0
Chlordane	Fat	484	0	ppm	484	0	0	0	0	0	0	0	0
Dieldrin	Fat	484	0	ppm	484	0	0	0	0	0	0	0	0
DDT	Fat	484	0	ppm	484	0	0	0	0	0	0	0	0
Endrin	Fat	484	0	ppm	484	0	0	0	0	0	0	0	0
Heptachlor	Fat	484	0	ppm	484	0	0	0	0	0	0	0	0
Lindane	Fat	484	0	ppm	484	0	0	0	0	0	0	0	0
Methoxychlor	Fat	484	0	ppm	484	0	0	0	0	0	0	0	0
Toxaphene	Fat	484	0	ppm	484	0	0	0	0	0	0	0	0
PCB	Fat	484	0	ppm	484	0	0	0	0	0	0	0	0
HCB	Fat	484	0	ppm	484	0	0	0	0	0	0	0	0
Mirex	Fat	484	0	ppm	484	0	0	0	0	0	0	0	0
Strobane	Fat	484	0	ppm	484	0	0	0	0	0	0	0	0
Nonachlor	Fat	484	0	ppm	484	0	0	0	0	0	0	0	0
Endosulfan I	Fat	484	0	ppm	484	0	0	0	0	0	0	0	0
Linuron	Fat	484	0	ppm	484	0	0	0	0	0	0	0	0
Phosalone	Fat	484	0	ppm	484	0	0	0	0	0	0	0	0
Dicofol	Fat	484	0	ppm	484	0	0	0	0	0	0	0	0
Pentachloroaniline	Fat	484	0	ppm	484	0	0	0	0	0	0	0	0
Heptachlor Epoxide	Fat	484	0	ppm	484	0	0	0	0	0	0	0	0
Halowax	Fat	484	0	ppm	484	0	0	0	0	0	0	0	0
PBB	Fat	484	0	ppm	484	0	0	0	0	0	0	0	0
Penicillin	Kidney	364	0	ppm	364	0	0	0	0	0	0	0	0
Streptomycin	Kidney	364	0	ppm	364	0	0	0	0	0	0	0	0
Chloramphenicol	Muscle	282	0	ppb	282	0	0	0	0	0	0	0	0
Tetracycline	Kidney	364	0	ppm	364	0	0	0	0	0	0	0	0
Tylosin	Kidney	364	0	ppm	364	0	0	0	0	0	0	0	0
Erythromycin	Kidney	364	0	ppm	364	0	0	0	0	0	0	0	0
Neomycin	Kidney	364	1	ppm	363	0	0	0	0	1	0	0	0
Oxytetracycline	Kidney	364	0	ppm	364	0	0	0	0	0	0	0	0
Chlortetracycline	Kidney	364	0	ppm	364	0	0	0	0	0	0	0	0
Unid Micro Inhib	Kidney	364	0	ppm	364	0	0	0	0	0	0	0	0
Gentamycin	Kidney	364	0	ppm	364	0	0	0	0	0	0	0	0
Lincomycin	Kidney	364	0	ppm	364	0	0	0	0	0	0	0	0
Spectinomycin	Kidney	364	0	ppm	364	0	0	0	0	0	0	0	0
Tilmicosin	Kidney	364	0	ppb	364	0	0	0	0	0	0	0	0
Pirlimycin	Kidney	364	0	ppm	364	0	0	0	0	0	0	0	0
Clindamycin	Kidney	364	0	ppm	364	0	0	0	0	0	0	0	0
Dihydrostreptomycin	Kidney	364	0	ppm	364	0	0	0	0	0	0	0	0
Tobramycin	Kidney	364	0	ppm	364	0	0	0	0	0	0	0	0
Kanamycin	Kidney	364	0	ppm	364	0	0	0	0	0	0	0	0

Table 31a - *continued*
Residue Data - Young Chickens
2004 Domestic Monitoring Plan

Residue	Tissue	Number Samples	Viol-ations	Units	None	-0.01 0.10	-0.11 0.20	-0.21 0.30	-0.31 0.50	-0.51 1.00	-1.01 2.50	-2.51 5.00	Over 5.00
					---------- Amount Found in Sample ----------								
Hygromycin	Kidney	364	0	ppm	364	0	0	0	0	0	0	0	0
Amikacin	Kidney	364	0	ppm	364	0	0	0	0	0	0	0	0
Aprimycin	Kidney	364	0	ppm	364	0	0	0	0	0	0	0	0
Tetracyclines Re	Kidney	364	0	ppm	363	0	0	0	0	1	0	0	0
Swab Pos-Bioa Ne	Kidney	364	0	ppm	364	0	0	0	0	0	0	0	0
Coumaphos	Fat	484	0	ppm	484	0	0	0	0	0	0	0	0
Ethion	Fat	484	0	ppm	484	0	0	0	0	0	0	0	0
Parathion	Fat	484	0	ppm	484	0	0	0	0	0	0	0	0
Ronnel	Fat	484	0	ppm	484	0	0	0	0	0	0	0	0
Stirofos	Fat	484	0	ppm	484	0	0	0	0	0	0	0	0
Chlorpyrifos	Fat	484	0	ppm	484	0	0	0	0	0	0	0	0
Famphur	Fat	484	0	ppm	484	0	0	0	0	0	0	0	0
Carbophenothion	Fat	484	0	ppm	484	0	0	0	0	0	0	0	0
Chlorfenvinphos	Fat	484	0	ppm	484	0	0	0	0	0	0	0	0
Arsenic	Liver	547	0	ppm	299	1	1	95	95	53	3	0	0
Phenylbutazone	Fat	484	0	ppb	484	0	0	0	0	0	0	0	0

Table 31b
Residue Data by Compound Class - Young Chickens
2004 Domestic Monitoring Plan

Residue Compound or Compound Class	Samples Tested	Samples Violative	Percent Violative Samples	Upper 95% Confidence Limit
Antibiotics	364	1	3	1.3
Arsenic	547	0	0	0.5
Chloramphenicol	282	0	0	1.1
Chlorinated Hydrocarbons	484	0	0	0.6
Chlorinated Organophosphates	484	0	0	0.6
Phenylbutazone	484	0	0	0.6
Total	**2645**	**1**		

Table 32a
Residue Data - Mature Chickens
2004 Domestic Monitoring Plan

					Amount Found in Sample								
Residue	**Tissue**	**Number Samples**	**Viol-ations**	**Units**	**None**	**-0.01 0.10**	**-0.11 0.20**	**-0.21 0.30**	**-0.31 0.50**	**-0.51 1.00**	**-1.01 2.50**	**-2.51 5.00**	**Over 5.00**
Aldrin	Fat	103	0	ppm	103	0	0	0	0	0	0	0	0
BHC	Fat	103	0	ppm	103	0	0	0	0	0	0	0	0
Chlordane	Fat	103	0	ppm	103	0	0	0	0	0	0	0	0
Dieldrin	Fat	103	0	ppm	103	0	0	0	0	0	0	0	0
DDT	Fat	103	0	ppm	103	0	0	0	0	0	0	0	0
Endrin	Fat	103	0	ppm	103	0	0	0	0	0	0	0	0
Heptachlor	Fat	103	0	ppm	103	0	0	0	0	0	0	0	0
Lindane	Fat	103	0	ppm	103	0	0	0	0	0	0	0	0
Methoxychlor	Fat	103	0	ppm	103	0	0	0	0	0	0	0	0
Toxaphene	Fat	103	0	ppm	103	0	0	0	0	0	0	0	0
PCB	Fat	103	0	ppm	103	0	0	0	0	0	0	0	0
HCB	Fat	103	0	ppm	103	0	0	0	0	0	0	0	0
Mirex	Fat	103	0	ppm	103	0	0	0	0	0	0	0	0
Strobane	Fat	103	0	ppm	103	0	0	0	0	0	0	0	0
Nonachlor	Fat	103	0	ppm	103	0	0	0	0	0	0	0	0
Endosulfan I	Fat	103	0	ppm	103	0	0	0	0	0	0	0	0
Linuron	Fat	103	0	ppm	103	0	0	0	0	0	0	0	0
Phosalone	Fat	103	0	ppm	103	0	0	0	0	0	0	0	0
Dicofol	Fat	103	0	ppm	103	0	0	0	0	0	0	0	0
Pentachloroaniline	Fat	103	0	ppm	103	0	0	0	0	0	0	0	0
Heptachlor Epoxide	Fat	103	0	ppm	103	0	0	0	0	0	0	0	0
Halowax	Fat	103	0	ppm	103	0	0	0	0	0	0	0	0
PBB	Fat	103	0	ppm	103	0	0	0	0	0	0	0	0
Penicillin	Kidney	278	0	ppm	278	0	0	0	0	0	0	0	0
Streptomycin	Kidney	278	0	ppm	278	0	0	0	0	0	0	0	0
Chloramphenicol	Muscle	105	0	ppb	105	0	0	0	0	0	0	0	0
Tetracycline	Kidney	278	0	ppm	278	0	0	0	0	0	0	0	0
Tylosin	Kidney	278	0	ppm	278	0	0	0	0	0	0	0	0
Erythromycin	Kidney	278	0	ppm	278	0	0	0	0	0	0	0	0
Neomycin	Kidney	278	0	ppm	278	0	0	0	0	0	0	0	0
Oxytetracycline	Kidney	278	0	ppm	278	0	0	0	0	0	0	0	0
Chlortetracycline	Kidney	278	0	ppm	278	0	0	0	0	0	0	0	0
Unid Micro Inhib	Kidney	278	0	ppm	278	0	0	0	0	0	0	0	0
Gentamycin	Kidney	278	0	ppm	278	0	0	0	0	0	0	0	0
Lincomycin	Kidney	278	0	ppm	278	0	0	0	0	0	0	0	0
Spectinomycin	Kidney	278	0	ppm	278	0	0	0	0	0	0	0	0
Tilmicosin	Kidney	278	0	ppm	278	0	0	0	0	0	0	0	0
Pirlimycin	Kidney	278	0	ppm	278	0	0	0	0	0	0	0	0
Clindamycin	Kidney	278	0	ppm	278	0	0	0	0	0	0	0	0
Dihydrostreptomycin	Kidney	278	0	ppm	278	0	0	0	0	0	0	0	0
Tobramycin	Kidney	278	0	ppm	278	0	0	0	0	0	0	0	0
Kanamycin	Kidney	278	0	ppm	278	0	0	0	0	0	0	0	0

Table 32a - *continued*
Residue Data - Mature Chickens
2004 Domestic Monitoring Plan

					Amount Found in Sample								
Residue	**Tissue**	**Number Samples**	**Viol-ations**	**Units**	**None**	**-0.01 0.10**	**-0.11 0.20**	**-0.21 0.30**	**-0.31 0.50**	**-0.51 1.00**	**-1.01 2.50**	**-2.51 5.00**	**Over 5.00**
Hygromycin	Kidney	278	0	ppm	278	0	0	0	0	0	0	0	0
Amikacin	Kidney	278	0	ppm	278	0	0	0	0	0	0	0	0
Aprimycin	Kidney	278	0	ppm	278	0	0	0	0	0	0	0	0
Tetracyclines Re	Kidney	278	0	ppm	278	0	0	0	0	0	0	0	0
Swab Pos-Bioa Ne	Kidney	278	0	ppm	278	0	0	0	0	0	0	0	0
Coumaphos	Fat	103	0	ppm	103	0	0	0	0	0	0	0	0
Ethion	Fat	103	0	ppm	103	0	0	0	0	0	0	0	0
Parathion	Fat	103	0	ppm	103	0	0	0	0	0	0	0	0
Ronnel	Fat	103	0	ppm	103	0	0	0	0	0	0	0	0
Stirofos	Fat	103	0	ppm	103	0	0	0	0	0	0	0	0
Chlorpyrifos	Fat	103	0	ppm	103	0	0	0	0	0	0	0	0
Famphur	Fat	103	0	ppm	103	0	0	0	0	0	0	0	0
Carbophenothion	Fat	103	0	ppm	103	0	0	0	0	0	0	0	0
Chlorfenvinphos	Fat	103	0	ppm	103	0	0	0	0	0	0	0	0
Phenylbutazone	Fat	103	0	ppb	103	0	0	0	0	0	0	0	0

Table 32b
Residue Data by Compound Class - Mature Chickens
2004 Domestic Monitoring Plan

Residue Compound or Compound Class	**Samples Tested**	**Samples Violative**	**Percent Violative Samples**	**Upper 95% Confidence Limit**
Antibiotics	278	0	0	1.1
Chloramphenicol	105	0	0	2.8
Chlorinated Hydrocarbons	103	0	0	2.9
Chlorinated Organophosphates	103	0	0	2.9
Phenylbutazone	103	0	0	2.9
Total	**692**	**0**		

Table 33a
Residue Data - Young Turkeys
2004 Domestic Monitoring Plan

					Amount Found in Sample								
Residue	**Tissue**	**Number Samples**	**Viol-ations**	**Units**	**None**	**-0.01 0.10**	**-0.11 0.20**	**-0.21 0.30**	**-0.31 0.50**	**-0.51 1.00**	**-1.01 2.50**	**-2.51 5.00**	**Over 5.00**
Aldrin	Fat	363	0	ppm	363	0	0	0	0	0	0	0	0
BHC	Fat	363	0	ppm	363	0	0	0	0	0	0	0	0
Chlordane	Fat	363	0	ppm	363	0	0	0	0	0	0	0	0
Dieldrin	Fat	363	0	ppm	363	0	0	0	0	0	0	0	0
DDT	Fat	363	0	ppm	363	0	0	0	0	0	0	0	0
Endrin	Fat	363	0	ppm	363	0	0	0	0	0	0	0	0
Heptachlor	Fat	363	0	ppm	363	0	0	0	0	0	0	0	0
Lindane	Fat	363	0	ppm	363	0	0	0	0	0	0	0	0
Methoxychlor	Fat	363	0	ppm	363	0	0	0	0	0	0	0	0
Toxaphene	Fat	363	0	ppm	363	0	0	0	0	0	0	0	0
PCB	Fat	363	0	ppm	363	0	0	0	0	0	0	0	0
HCB	Fat	363	0	ppm	363	0	0	0	0	0	0	0	0
Mirex	Fat	363	0	ppm	363	0	0	0	0	0	0	0	0
Strobane	Fat	363	0	ppm	363	0	0	0	0	0	0	0	0
Nonachlor	Fat	363	0	ppm	363	0	0	0	0	0	0	0	0
Endosulfan I	Fat	363	0	ppm	363	0	0	0	0	0	0	0	0
Linuron	Fat	363	0	ppm	363	0	0	0	0	0	0	0	0
Phosalone	Fat	363	0	ppm	363	0	0	0	0	0	0	0	0
Dicofol	Fat	363	0	ppm	363	0	0	0	0	0	0	0	0
Pentachloroaniline	Fat	363	0	ppm	363	0	0	0	0	0	0	0	0
Heptachlor Epoxide	Fat	363	0	ppm	363	0	0	0	0	0	0	0	0
Halowax	Fat	363	0	ppm	363	0	0	0	0	0	0	0	0
PBB	Fat	363	0	ppm	363	0	0	0	0	0	0	0	0
Chloramphenicol	Muscle	147	0	ppb	147	0	0	0	0	0	0	0	0
Coumaphos	Fat	363	0	ppm	363	0	0	0	0	0	0	0	0
Ethion	Fat	363	0	ppm	363	0	0	0	0	0	0	0	0
Parathion	Fat	363	0	ppm	363	0	0	0	0	0	0	0	0
Ronnel	Fat	363	0	ppm	363	0	0	0	0	0	0	0	0
Stirofos	Fat	363	0	ppm	363	0	0	0	0	0	0	0	0
Chlorpyrifos	Fat	363	0	ppm	363	0	0	0	0	0	0	0	0
Famphur	Fat	363	0	ppm	363	0	0	0	0	0	0	0	0
Carbophenothion	Fat	363	0	ppm	363	0	0	0	0	0	0	0	0
Chlorfenvinphos	Fat	363	0	ppm	363	0	0	0	0	0	0	0	0
Arsenic	Liver	377	0	ppm	363	0	0	9	5	0	0	0	0
Phenylbutazone	Fat	363	0	ppb	363	0	0	0	0	0	0	0	0

Table 33b
Residue Data by Compound Class - Young Turkeys
2004 Domestic Monitoring Plan

Residue Compound or Compound Class	Samples Tested	Samples Violative	Percent Violative Samples	Upper 95% Confidence Limit
Arsenic	377	0	0	0.8
Chloramphenicol	147	0	0	2
Chlorinated Hydrocarbons	363	0	0	0.8
Chlorinated Organophosphates	363	0	0	0.8
Phenylbutazone	363	0	0	0.8
Total	**1613**	**0**		

Table 34a
Residue Data - Mature Turkeys
2004 Domestic Monitoring Plan

Residue	Tissue	Number Samples	Viol-ations	Units	None	-0.01 0.10	-0.11 0.20	-0.21 0.30	-0.31 0.50	-0.51 1.00	-1.01 2.50	-2.51 5.00	Over 5.00
					---------- Amount Found in Sample ----------								
Aldrin	Fat	103	0	ppm	103	0	0	0	0	0	0	0	0
BHC	Fat	103	0	ppm	103	0	0	0	0	0	0	0	0
Chlordane	Fat	103	0	ppm	103	0	0	0	0	0	0	0	0
Dieldrin	Fat	103	0	ppm	103	0	0	0	0	0	0	0	0
DDT	Fat	103	0	ppm	102	0	0	1	0	0	0	0	0
Endrin	Fat	103	0	ppm	103	0	0	0	0	0	0	0	0
Heptachlor	Fat	103	0	ppm	103	0	0	0	0	0	0	0	0
Lindane	Fat	103	0	ppm	103	0	0	0	0	0	0	0	0
Methoxychlor	Fat	103	0	ppm	103	0	0	0	0	0	0	0	0
Toxaphene	Fat	103	0	ppm	103	0	0	0	0	0	0	0	0
PCB	Fat	103	0	ppm	103	0	0	0	0	0	0	0	0
HCB	Fat	103	0	ppm	103	0	0	0	0	0	0	0	0
Mirex	Fat	103	0	ppm	103	0	0	0	0	0	0	0	0
Strobane	Fat	103	0	ppm	103	0	0	0	0	0	0	0	0
Nonachlor	Fat	103	0	ppm	103	0	0	0	0	0	0	0	0
Endosulfan I	Fat	103	0	ppm	103	0	0	0	0	0	0	0	0
Linuron	Fat	103	0	ppm	103	0	0	0	0	0	0	0	0
Phosalone	Fat	103	0	ppm	103	0	0	0	0	0	0	0	0
Dicofol	Fat	103	0	ppm	103	0	0	0	0	0	0	0	0
Pentachloroaniline	Fat	103	0	ppm	103	0	0	0	0	0	0	0	0
Heptachlor Epoxide	Fat	103	0	ppm	103	0	0	0	0	0	0	0	0
Halowax	Fat	103	0	ppm	103	0	0	0	0	0	0	0	0
PBB	Fat	103	0	ppm	103	0	0	0	0	0	0	0	0
Chloramphenicol	Muscle	103	0	ppb	103	0	0	0	0	0	0	0	0
Coumaphos	Fat	103	0	ppm	103	0	0	0	0	0	0	0	0
Ethion	Fat	103	0	ppm	103	0	0	0	0	0	0	0	0
Parathion	Fat	103	0	ppm	103	0	0	0	0	0	0	0	0
Ronnel	Fat	103	0	ppm	103	0	0	0	0	0	0	0	0
Stirofos	Fat	103	0	ppm	103	0	0	0	0	0	0	0	0
Chlorpyrifos	Fat	103	0	ppm	103	0	0	0	0	0	0	0	0
Famphur	Fat	103	0	ppm	103	0	0	0	0	0	0	0	0
Carbophenothion	Fat	103	0	ppm	103	0	0	0	0	0	0	0	0
Chlorfenvinphos	Fat	103	0	ppm	103	0	0	0	0	0	0	0	0
S-Ethoxypyridazine	Liver	69	0	ppm	69	0	0	0	0	0	0	0	0
S-Chlorpyridazine	Liver	69	0	ppm	69	0	0	0	0	0	0	0	0
Sulfadimethoxine	Liver	69	1	ppm	68	0	0	0	0	0	1	0	0
Sulfamethazine	Liver	69	0	ppm	69	0	0	0	0	0	0	0	0
S-Chloropyrazine	Liver	69	0	ppm	69	0	0	0	0	0	0	0	0
S-Methoxypyridazine	Liver	69	0	ppm	69	0	0	0	0	0	0	0	0
Sulfamerazine	Liver	69	0	ppm	69	0	0	0	0	0	0	0	0
Sulfathiazole	Liver	69	0	ppm	69	0	0	0	0	0	0	0	0
Sulfaquinoxaline	Liver	69	0	ppm	69	0	0	0	0	0	0	0	0
S-Bromomethazine	Liver	69	0	ppm	69	0	0	0	0	0	0	0	0

Table 34a - *continued*
Residue Data - Mature Turkeys
2004 Domestic Monitoring Plan

					Amount Found in Sample								
Residue	**Tissue**	**Number Samples**	**Viol-ations**	**Units**	**None**	**-0.01 0.10**	**-0.11 0.20**	**-0.21 0.30**	**-0.31 0.50**	**-0.51 1.00**	**-1.01 2.50**	**-2.51 5.00**	**Over 5.00**
Sulfamethiazole	Liver	69	0	ppm	69	0	0	0	0	0	0	0	0
Sulfanilamide	Liver	69	0	ppm	69	0	0	0	0	0	0	0	0
Sulfapyridine	Liver	69	0	ppm	69	0	0	0	0	0	0	0	0
Sulfadiazine	Liver	69	0	ppm	69	0	0	0	0	0	0	0	0
Sulfadoxine	Liver	69	0	ppm	69	0	0	0	0	0	0	0	0
Sulfamethoxazole	Liver	69	0	ppm	69	0	0	0	0	0	0	0	0
Phenylbutazone	Fat	103	0	ppb	103	0	0	0	0	0	0	0	0

Table 34b
Residue Data by Compound Class - Mature Turkeys
2004 Domestic Monitoring Plan

Residue Compound or Compound Class	**Samples Tested**	**Samples Violative**	**Percent Violative Samples**	**Upper 95% Confidence Limit**
Chloramphenicol	103	0	0	2.9
Chlorinated Hydrocarbons	103	0	0	2.9
Chlorinated Organophosphates	103	0	0	2.9
Phenylbutazone	103	0	0	2.9
Sulfonamides	69	1	1.4	6.7
Total	**481**	**1**		

COMPOUND CLASS DATA

Tables 35 to 115 present the tissues analyzed, number of samples analyzed, number of violations, and the range for the amount detected for each compound tested in each production class.

In Tables 35 to 115, the number of positives and violations are reported in intervals, with the lowest interval being 0.01-0.10 ppm or 0.01-0.10 ppb. If samples did not contain detectable residues, the samples are categorized under “None” for “Amount in Sample.” The no-detect level varies for each analyte and is not <0.01 ppm or <0.01 ppb for every analyte. The limits of detection may be found in Appendix III (Analytical Methods, 2003 National Residue Program).

Table 35
Residue Data - Aldrin (ppm)
2004 Domestic Monitoring Plan

				Amount Found in Sample								
Production Class	**Tissue**	**Number Samples**	**Viol-ations**	**None**	**-0.01 0.10**	**-0.11 0.20**	**-0.21 0.30**	**-0.31 0.50**	**-0.51 1.00**	**-1.01 2.50**	**-2.51 5.00**	**Over 5.00**
Bulls	Fat	263	0	263	0	0	0	0	0	0	0	0
Steers	Fat	432	0	432	0	0	0	0	0	0	0	0
Beef Cows	Fat	315	0	315	0	0	0	0	0	0	0	0
Heifers	Fat	442	0	442	0	0	0	0	0	0	0	0
Dairy Cows	Fat	305	0	305	0	0	0	0	0	0	0	0
Fancy Veal	Fat	263	0	263	0	0	0	0	0	0	0	0
Non-formula-fed Veal	Fat	101	0	101	0	0	0	0	0	0	0	0
Heavy Calves	Fat	244	0	244	0	0	0	0	0	0	0	0
Mature Sheep	Fat	155	0	155	0	0	0	0	0	0	0	0
Lambs	Fat	245	0	245	0	0	0	0	0	0	0	0
Goats	Fat	222	0	222	0	0	0	0	0	0	0	0
Market Hogs	Fat	445	0	445	0	0	0	0	0	0	0	0
Boars/Stags	Fat	252	0	252	0	0	0	0	0	0	0	0
Sows	Fat	247	0	247	0	0	0	0	0	0	0	0
Young Chickens	Fat	484	0	484	0	0	0	0	0	0	0	0
Mature Chickens	Fat	103	0	103	0	0	0	0	0	0	0	0
Young Turkeys	Fat	363	0	363	0	0	0	0	0	0	0	0
Mature Turkeys	Fat	103	0	103	0	0	0	0	0	0	0	0

Table 36
Residue Data - Amikacin (ppm)
2004 Domestic Monitoring Plan

				Amount Found in Sample								
Production Class	**Tissue**	**Number Samples**	**Viol-ations**	**None**	**-0.01 0.10**	**-0.11 0.20**	**-0.21 0.30**	**-0.31 0.50**	**-0.51 1.00**	**-1.01 2.50**	**-2.51 5.00**	**Over 5.00**
Beef Cows	Kidney	323	0	323	0	0	0	0	0	0	0	0
Heifers	Kidney	469	0	469	0	0	0	0	0	0	0	0
Dairy Cows	Kidney	439	0	439	0	0	0	0	0	0	0	0
Bob Veal	Kidney	377	0	377	0	0	0	0	0	0	0	0
Fancy Veal	Kidney	111	0	111	0	0	0	0	0	0	0	0
Non-formula-fed Veal	Kidney	97	0	97	0	0	0	0	0	0	0	0
Heavy Calves	Kidney	141	0	141	0	0	0	0	0	0	0	0
Lambs	Kidney	222	0	222	0	0	0	0	0	0	0	0
Market Hogs	Kidney	948	0	948	0	0	0	0	0	0	0	0
Boars/Stags	Kidney	245	0	245	0	0	0	0	0	0	0	0
Sows	Kidney	256	0	256	0	0	0	0	0	0	0	0
Young Chickens	Kidney	364	0	364	0	0	0	0	0	0	0	0
Mature Chickens	Kidney	278	0	278	0	0	0	0	0	0	0	0

Table 37
Residue Data - Arsenic (ppm)
2004 Domestic Monitoring Plan

				Amount Found in Sample								
Production Class	**Tissue**	**Number Samples**	**Viol-ations**	**None**	**-0.01 0.10**	**-0.11 0.20**	**-0.21 0.30**	**-0.31 0.50**	**-0.51 1.00**	**-1.01 2.50**	**-2.51 5.00**	**Over 5.00**
Goats	Liver	68	0	68	0	0	0	0	0	0	0	0
Young Chickens	Liver	547	0	299	1	1	95	95	53	3	0	0
Young Turkeys	Liver	377	0	363	0	0	9	5	0	0	0	0

Table 38
Residue Data - Benzene Hexachloride (BHC) (ppm)
2004 Domestic Monitoring Plan

				Amount Found in Sample								
Production Class	**Tissue**	**Number Samples**	**Viol-ations**	**None**	**-0.01 0.10**	**-0.11 0.20**	**-0.21 0.30**	**-0.31 0.50**	**-0.51 1.00**	**-1.01 2.50**	**-2.51 5.00**	**Over 5.00**
Steers	Fat	432	0	432	0	0	0	0	0	0	0	0
Beef Cows	Fat	315	0	315	0	0	0	0	0	0	0	0
Heifers	Fat	442	0	442	0	0	0	0	0	0	0	0
Dairy Cows	Fat	305	0	305	0	0	0	0	0	0	0	0
Fancy Veal	Fat	263	0	263	0	0	0	0	0	0	0	0
Non-formula-fed Veal	Fat	101	0	101	0	0	0	0	0	0	0	0
Heavy Calves	Fat	244	0	244	0	0	0	0	0	0	0	0
Mature Sheep	Fat	155	0	155	0	0	0	0	0	0	0	0
Lambs	Fat	245	0	245	0	0	0	0	0	0	0	0
Goats	Fat	222	0	222	0	0	0	0	0	0	0	0
Market Hogs	Fat	445	0	445	0	0	0	0	0	0	0	0
Boars/Stags	Fat	252	0	252	0	0	0	0	0	0	0	0
Sows	Fat	247	0	247	0	0	0	0	0	0	0	0
Young Chickens	Fat	484	0	484	0	0	0	0	0	0	0	0
Mature Chickens	Fat	103	0	103	0	0	0	0	0	0	0	0
Young Turkeys	Fat	363	0	363	0	0	0	0	0	0	0	0
Mature Turkeys	Fat	103	0	103	0	0	0	0	0	0	0	0

Table 39
Residue Data - Carbadox (ppm)
2004 Domestic Monitoring Plan

				Amount Found in Sample								
Production Class	**Tissue**	**Number Samples**	**Viol-ations**	**None**	**-0.01 0.10**	**-0.11 0.20**	**-0.21 0.30**	**-0.31 0.50**	**-0.51 1.00**	**-1.01 2.50**	**-2.51 5.00**	**Over 5.00**
Roaster Pigs	Liver	188	2	186	0	0	0	0	0	0	0	2

Table 40
Residue Data - Carbophenothion (ppm)
2004 Domestic Monitoring Plan

				---------- Amount Found in Sample ----------								
Production Class	**Tissue**	**Number Samples**	**Viol-ations**	**None**	**-0.01 0.10**	**-0.11 0.20**	**-0.21 0.30**	**-0.31 0.50**	**-0.51 1.00**	**-1.01 2.50**	**-2.51 5.00**	**Over 5.00**
Bulls	Fat	263	0	263	0	0	0	0	0	0	0	0
Steers	Fat	432	0	432	0	0	0	0	0	0	0	0
Beef Cows	Fat	315	0	315	0	0	0	0	0	0	0	0
Heifers	Fat	442	0	442	0	0	0	0	0	0	0	0
Dairy Cows	Fat	305	0	305	0	0	0	0	0	0	0	0
Fancy Veal	Fat	263	0	263	0	0	0	0	0	0	0	0
Non-formula-fed Veal	Fat	101	0	101	0	0	0	0	0	0	0	0
Heavy Calves	Fat	244	0	244	0	0	0	0	0	0	0	0
Mature Sheep	Fat	155	0	155	0	0	0	0	0	0	0	0
Lambs	Fat	245	0	245	0	0	0	0	0	0	0	0
Goats	Fat	222	0	222	0	0	0	0	0	0	0	0
Market Hogs	Fat	445	0	445	0	0	0	0	0	0	0	0
Boars/Stags	Fat	252	0	252	0	0	0	0	0	0	0	0
Sows	Fat	247	0	247	0	0	0	0	0	0	0	0
Young Chickens	Fat	484	0	484	0	0	0	0	0	0	0	0
Mature Chickens	Fat	103	0	103	0	0	0	0	0	0	0	0
Young Turkeys	Fat	363	0	363	0	0	0	0	0	0	0	0
Mature Turkeys	Fat	103	0	103	0	0	0	0	0	0	0	0

Table 41
Residue Data - Chloramphenicol (ppb)
2004 Domestic Monitoring Plan

				---------- Amount Found in Sample ----------								
Production Class	**Tissue**	**Number Samples**	**Viol-ations**	**None**	**-0.01 0.10**	**-0.11 0.20**	**-0.21 0.30**	**-0.31 0.50**	**-0.51 1.00**	**-1.01 2.50**	**-2.51 5.00**	**Over 5.00**
Dairy Cows	Muscle	217	0	217	0	0	0	0	0	0	0	0
Fancy Veal	Muscle	100	0	100	0	0	0	0	0	0	0	0
Non-formula-fed Veal	Muscle	70	0	70	0	0	0	0	0	0	0	0
Young Chickens	Muscle	282	0	282	0	0	0	0	0	0	0	0
Mature Chickens	Muscle	105	0	105	0	0	0	0	0	0	0	0
Young Turkeys	Muscle	147	0	147	0	0	0	0	0	0	0	0
Mature Turkeys	Muscle	103	0	103	0	0	0	0	0	0	0	0

Table 42
Residue Data - Chlordane (ppm)
2004 Domestic Monitoring Plan

				Amount Found in Sample								
Production Class	**Tissue**	**Number Samples**	**Viol-ations**	**None**	**-0.01 0.10**	**-0.11 0.20**	**-0.21 0.30**	**-0.31 0.50**	**-0.51 1.00**	**-1.01 2.50**	**-2.51 5.00**	**Over 5.00**
Bulls	Fat	263	0	263	0	0	0	0	0	0	0	0
Steers	Fat	432	0	432	0	0	0	0	0	0	0	0
Beef Cows	Fat	315	0	315	0	0	0	0	0	0	0	0
Heifers	Fat	442	0	442	0	0	0	0	0	0	0	0
Dairy Cows	Fat	305	0	305	0	0	0	0	0	0	0	0
Fancy Veal	Fat	263	0	263	0	0	0	0	0	0	0	0
Non-formula-fed Veal	Fat	101	0	101	0	0	0	0	0	0	0	0
Heavy Calves	Fat	244	0	244	0	0	0	0	0	0	0	0
Mature Sheep	Fat	155	0	155	0	0	0	0	0	0	0	0
Lambs	Fat	245	0	245	0	0	0	0	0	0	0	0
Goats	Fat	222	0	222	0	0	0	0	0	0	0	0
Market Hogs	Fat	445	0	445	0	0	0	0	0	0	0	0
Boars/Stags	Fat	252	0	252	0	0	0	0	0	0	0	0
Sows	Fat	247	0	247	0	0	0	0	0	0	0	0
Young Chickens	Fat	484	0	484	0	0	0	0	0	0	0	0
Mature Chickens	Fat	103	0	103	0	0	0	0	0	0	0	0
Young Turkeys	Fat	363	0	363	0	0	0	0	0	0	0	0
Mature Turkeys	Fat	103	0	103	0	0	0	0	0	0	0	0

Table 43
Residue Data - Chlorfenvinphos (ppm)
2004 Domestic Monitoring Plan

				Amount Found in Sample								
Production Class	**Tissue**	**Number Samples**	**Viol-ations**	**None**	**-0.01 0.10**	**-0.11 0.20**	**-0.21 0.30**	**-0.31 0.50**	**-0.51 1.00**	**-1.01 2.50**	**-2.51 5.00**	**Over 5.00**
Bulls	Fat	263	0	263	0	0	0	0	0	0	0	0
Steers	Fat	432	0	432	0	0	0	0	0	0	0	0
Beef Cows	Fat	315	0	315	0	0	0	0	0	0	0	0
Heifers	Fat	442	0	442	0	0	0	0	0	0	0	0
Dairy Cows	Fat	305	0	305	0	0	0	0	0	0	0	0
Fancy Veal	Fat	263	0	263	0	0	0	0	0	0	0	0
Non-formula-fed Veal	Fat	101	0	101	0	0	0	0	0	0	0	0
Heavy Calves	Fat	244	0	244	0	0	0	0	0	0	0	0
Mature Sheep	Fat	155	0	155	0	0	0	0	0	0	0	0
Lambs	Fat	245	0	245	0	0	0	0	0	0	0	0
Goats	Fat	222	0	222	0	0	0	0	0	0	0	0
Market Hogs	Fat	445	0	445	0	0	0	0	0	0	0	0
Boars/Stags	Fat	252	0	252	0	0	0	0	0	0	0	0
Sows	Fat	247	0	247	0	0	0	0	0	0	0	0
Young Chickens	Fat	484	0	484	0	0	0	0	0	0	0	0
Mature Chickens	Fat	103	0	103	0	0	0	0	0	0	0	0
Young Turkeys	Fat	363	0	363	0	0	0	0	0	0	0	0
Mature Turkeys	Fat	103	0	103	0	0	0	0	0	0	0	0

Table 44
Residue Data - Chlorpyrifos (ppm)
2004 Domestic Monitoring Plan

				Amount Found in Sample								
Production Class	**Tissue**	**Number Samples**	**Viol-ations**	**None**	**-0.01 0.10**	**-0.11 0.20**	**-0.21 0.30**	**-0.31 0.50**	**-0.51 1.00**	**-1.01 2.50**	**-2.51 5.00**	**Over 5.00**
Bulls	Fat	263	0	263	0	0	0	0	0	0	0	0
Steers	Fat	432	0	432	0	0	0	0	0	0	0	0
Beef Cows	Fat	315	0	315	0	0	0	0	0	0	0	0
Heifers	Fat	442	0	442	0	0	0	0	0	0	0	0
Dairy Cows	Fat	305	0	305	0	0	0	0	0	0	0	0
Fancy Veal	Fat	263	0	263	0	0	0	0	0	0	0	0
Non-formula-fed Veal	Fat	101	0	101	0	0	0	0	0	0	0	0
Heavy Calves	Fat	244	0	244	0	0	0	0	0	0	0	0
Mature Sheep	Fat	155	0	155	0	0	0	0	0	0	0	0
Lambs	Fat	245	0	245	0	0	0	0	0	0	0	0
Goats	Fat	222	0	222	0	0	0	0	0	0	0	0
Market Hogs	Fat	445	0	445	0	0	0	0	0	0	0	0
Boars/Stags	Fat	252	0	252	0	0	0	0	0	0	0	0
Sows	Fat	247	0	247	0	0	0	0	0	0	0	0
Young Chickens	Fat	484	0	484	0	0	0	0	0	0	0	0
Mature Chickens	Fat	103	0	103	0	0	0	0	0	0	0	0
Young Turkeys	Fat	363	0	363	0	0	0	0	0	0	0	0
Mature Turkeys	Fat	103	0	103	0	0	0	0	0	0	0	0

Table 45
Residue Data - Chlortetracycline (ppm)
2004 Domestic Monitoring Plan

				Amount Found in Sample								
Production Class	**Tissue**	**Number Samples**	**Viol-ations**	**None**	**-0.01 0.10**	**-0.11 0.20**	**-0.21 0.30**	**-0.31 0.50**	**-0.51 1.00**	**-1.01 2.50**	**-2.51 5.00**	**Over 5.00**
Beef Cows	Kidney	323	0	323	0	0	0	0	0	0	0	0
Heifers	Kidney	469	0	469	0	0	0	0	0	0	0	0
Dairy Cows	Kidney	439	0	439	0	0	0	0	0	0	0	0
Bob Veal	Kidney	377	0	377	0	0	0	0	0	0	0	0
Fancy Veal	Kidney	111	0	111	0	0	0	0	0	0	0	0
Non-formula-fed Veal	Kidney	97	0	97	0	0	0	0	0	0	0	0
Heavy Calves	Kidney	141	0	141	0	0	0	0	0	0	0	0
Lambs	Kidney	222	0	222	0	0	0	0	0	0	0	0
Market Hogs	Kidney	948	0	946	0	0	1	0	0	1	0	0
Boars/Stags	Kidney	245	0	245	0	0	0	0	0	0	0	0
Sows	Kidney	256	0	256	0	0	0	0	0	0	0	0
Young Chickens	Kidney	364	0	364	0	0	0	0	0	0	0	0
Mature Chickens	Kidney	278	0	278	0	0	0	0	0	0	0	0

Table 46
Residue Data - Cimaterol (ppm)
2004 Domestic Monitoring Plan

				Amount Found in Sample								
Production Class	**Tissue**	**Number Samples**	**Viol-ations**	**None**	**-0.01 0.10**	**-0.11 0.20**	**-0.21 0.30**	**-0.31 0.50**	**-0.51 1.00**	**-1.01 2.50**	**-2.51 5.00**	**Over 5.00**
Steers	Eyeball	254	0	254	0	0	0	0	0	0	0	0
Fancy Veal	Eyeball	248	0	248	0	0	0	0	0	0	0	0
Market Hogs	Eyeball	274	0	274	0	0	0	0	0	0	0	0

Table 47
Residue Data - Clenbuterol (ppm)
2004 Domestic Monitoring Plan

				Amount Found in Sample								
Production Class	**Tissue**	**Number Samples**	**Viol-ations**	**None**	**-0.01 0.10**	**-0.11 0.20**	**-0.21 0.30**	**-0.31 0.50**	**-0.51 1.00**	**-1.01 2.50**	**-2.51 5.00**	**Over 5.00**
Steers	Eyeball	254	0	254	0	0	0	0	0	0	0	0
Fancy Veal	Eyeball	248	0	248	0	0	0	0	0	0	0	0
Market Hogs	Eyeball	274	0	274	0	0	0	0	0	0	0	0

Table 48
Residue Data - Clindamycin (ppm)
2004 Domestic Monitoring Plan

				Amount Found in Sample								
Production Class	**Tissue**	**Number Samples**	**Viol-ations**	**None**	**-0.01 0.10**	**-0.11 0.20**	**-0.21 0.30**	**-0.31 0.50**	**-0.51 1.00**	**-1.01 2.50**	**-2.51 5.00**	**Over 5.00**
Beef Cows	Kidney	323	0	323	0	0	0	0	0	0	0	0
Heifers	Kidney	469	0	469	0	0	0	0	0	0	0	0
Dairy Cows	Kidney	439	0	439	0	0	0	0	0	0	0	0
Bob Veal	Kidney	377	0	377	0	0	0	0	0	0	0	0
Fancy Veal	Kidney	111	0	111	0	0	0	0	0	0	0	0
Non-formula-fed Veal	Kidney	97	0	97	0	0	0	0	0	0	0	0
Heavy Calves	Kidney	141	0	141	0	0	0	0	0	0	0	0
Lambs	Kidney	222	0	222	0	0	0	0	0	0	0	0
Market Hogs	Kidney	948	0	948	0	0	0	0	0	0	0	0
Boars/Stags	Kidney	245	0	245	0	0	0	0	0	0	0	0
Sows	Kidney	256	0	256	0	0	0	0	0	0	0	0
Young Chickens	Kidney	364	0	364	0	0	0	0	0	0	0	0
Mature Chickens	Kidney	278	0	278	0	0	0	0	0	0	0	0

Table 49
Residue Data - Coumaphos (ppm)
2004 Domestic Monitoring Plan

				---------- Amount Found in Sample ----------								
Production Class	**Tissue**	**Number Samples**	**Viol-ations**	**None**	**-0.01 0.10**	**-0.11 0.20**	**-0.21 0.30**	**-0.31 0.50**	**-0.51 1.00**	**-1.01 2.50**	**-2.51 5.00**	**Over 5.00**
Bulls	Fat	263	0	263	0	0	0	0	0	0	0	0
Steers	Fat	432	0	432	0	0	0	0	0	0	0	0
Beef Cows	Fat	315	0	315	0	0	0	0	0	0	0	0
Heifers	Fat	442	0	442	0	0	0	0	0	0	0	0
Dairy Cows	Fat	305	0	305	0	0	0	0	0	0	0	0
Fancy Veal	Fat	263	0	263	0	0	0	0	0	0	0	0
Non-formula-fed Veal	Fat	101	0	101	0	0	0	0	0	0	0	0
Heavy Calves	Fat	244	0	244	0	0	0	0	0	0	0	0
Mature Sheep	Fat	155	0	155	0	0	0	0	0	0	0	0
Lambs	Fat	245	0	245	0	0	0	0	0	0	0	0
Goats	Fat	222	0	222	0	0	0	0	0	0	0	0
Market Hogs	Fat	445	0	445	0	0	0	0	0	0	0	0
Boars/Stags	Fat	252	0	252	0	0	0	0	0	0	0	0
Sows	Fat	247	0	247	0	0	0	0	0	0	0	0
Young Chickens	Fat	484	0	484	0	0	0	0	0	0	0	0
Mature Chickens	Fat	103	0	103	0	0	0	0	0	0	0	0
Young Turkeys	Fat	363	0	363	0	0	0	0	0	0	0	0
Mature Turkeys	Fat	103	0	103	0	0	0	0	0	0	0	0

Table 50
Residue Data - Dichlorodiphenyltrichloroethane (DDT) (ppm)
2004 Domestic Monitoring Plan

				---------- Amount Found in Sample ----------								
Production Class	**Tissue**	**Number Samples**	**Viol-ations**	**None**	**-0.01 0.10**	**-0.11 0.20**	**-0.21 0.30**	**-0.31 0.50**	**-0.51 1.00**	**-1.01 2.50**	**-2.51 5.00**	**Over 5.00**
Bulls	Fat	263	0	252	3	6	1	1	0	0	0	0
Steers	Fat	432	0	422	2	4	1	3	0	0	0	0
Beef Cows	Fat	315	0	307	1	4	2	0	1	0	0	0
Heifers	Fat	442	0	442	0	3	0	0	0	0	0	0
Dairy Cows	Fat	305	0	287	4	9	1	2	0	1	0	0
Fancy Veal	Fat	263	0	263	0	0	0	0	0	0	0	0
Non-formula-fed Veal	Fat	101	1	96	0	1	1	1	0	1	0	1
Heavy Calves	Fat	244	0	238	2	2	0	0	2	0	0	0
Mature Sheep	Fat	155	0	152	1	1	0	0	1	0	0	0
Lambs	Fat	245	0	231	2	10	2	0	0	0	0	0
Goats	Fat	222	0	221	0	0	0	0	1	0	0	0
Market Hogs	Fat	445	0	442	0	1	0	1	0	1	0	0
Boars/Stags	Fat	252	0	244	1	4	0	1	1	1	0	0
Sows	Fat	247	0	245	0	1	0	0	0	0	1	0
Young Chickens	Fat	484	0	484	0	0	0	0	0	0	0	0
Mature Chickens	Fat	103	0	103	0	0	0	0	0	0	0	0
Young Turkeys	Fat	363	0	363	0	0	0	0	0	0	0	0
Mature Turkeys	Fat	103	0	102	0	0	1	0	0	0	0	0

Table 51
Residue Data - Dicofol (ppm)
2004 Domestic Monitoring Plan

				---------- Amount Found in Sample ----------								
Production Class	**Tissue**	**Number Samples**	**Viol-ations**	**None**	**-0.01 0.10**	**-0.11 0.20**	**-0.21 0.30**	**-0.31 0.50**	**-0.51 1.00**	**-1.01 2.50**	**-2.51 5.00**	**Over 5.00**
Bulls	Fat	263	0	263	0	0	0	0	0	0	0	0
Steers	Fat	432	0	432	0	0	0	0	0	0	0	0
Beef Cows	Fat	315	0	315	0	0	0	0	0	0	0	0
Heifers	Fat	442	0	442	0	0	0	0	0	0	0	0
Dairy Cows	Fat	305	0	305	0	0	0	0	0	0	0	0
Fancy Veal	Fat	263	0	263	0	0	0	0	0	0	0	0
Non-formula-fed Veal	Fat	101	0	101	0	0	0	0	0	0	0	0
Heavy Calves	Fat	244	0	244	0	0	0	0	0	0	0	0
Mature Sheep	Fat	155	0	155	0	0	0	0	0	0	0	0
Lambs	Fat	245	0	245	0	0	0	0	0	0	0	0
Goats	Fat	222	0	222	0	0	0	0	0	0	0	0
Market Hogs	Fat	445	0	445	0	0	0	0	0	0	0	0
Boars/Stags	Fat	252	0	252	0	0	0	0	0	0	0	0
Sows	Fat	247	0	247	0	0	0	0	0	0	0	0
Young Chickens	Fat	484	0	484	0	0	0	0	0	0	0	0
Mature Chickens	Fat	103	0	103	0	0	0	0	0	0	0	0
Young Turkeys	Fat	363	0	363	0	0	0	0	0	0	0	0
Mature Turkeys	Fat	103	0	103	0	0	0	0	0	0	0	0

Table 52
Residue Data - Dieldrin (ppm)
2004 Domestic Monitoring Plan

				Amount Found in Sample								
Production Class	**Tissue**	**Number Samples**	**Viol-ations**	**None**	**-0.01 0.10**	**-0.11 0.20**	**-0.21 0.30**	**-0.31 0.50**	**-0.51 1.00**	**-1.01 2.50**	**-2.51 5.00**	**Over 5.00**
Bulls	Fat	263	0	263	0	0	0	0	0	0	0	0
Steers	Fat	432	0	431	1	0	0	0	0	0	0	0
Beef Cows	Fat	315	0	315	0	0	0	0	0	0	0	0
Heifers	Fat	442	0	442	0	0	0	0	0	0	0	0
Dairy Cows	Fat	305	0	305	0	0	0	0	0	0	0	0
Fancy Veal	Fat	263	0	263	0	0	0	0	0	0	0	0
Non-formula-fed Veal	Fat	101	0	101	0	0	0	0	0	0	0	0
Heavy Calves	Fat	244	0	244	0	0	0	0	0	0	0	0
Mature Sheep	Fat	155	0	155	0	0	0	0	0	0	0	0
Lambs	Fat	245	0	245	0	0	0	0	0	0	0	0
Goats	Fat	222	0	222	0	0	0	0	0	0	0	0
Market Hogs	Fat	445	0	445	0	0	0	0	0	0	0	0
Boars/Stags	Fat	252	0	252	0	0	0	0	0	0	0	0
Sows	Fat	247	0	247	0	0	0	0	0	0	0	0
Young Chickens	Fat	484	0	484	0	0	0	0	0	0	0	0
Mature Chickens	Fat	103	0	103	0	0	0	0	0	0	0	0
Young Turkeys	Fat	363	0	363	0	0	0	0	0	0	0	0
Mature Turkeys	Fat	103	0	103	0	0	0	0	0	0	0	0

Table 53
Residue Data - Dihydrostreptomycin (ppm)
2004 Domestic Monitoring Plan

				Amount Found in Sample								
Production Class	**Tissue**	**Number Samples**	**Viol-ations**	**None**	**-0.01 0.10**	**-0.11 0.20**	**-0.21 0.30**	**-0.31 0.50**	**-0.51 1.00**	**-1.01 2.50**	**-2.51 5.00**	**Over 5.00**
Beef Cows	Kidney	323	0	323	0	0	0	0	0	0	0	0
Heifers	Kidney	469	0	469	0	0	0	0	0	0	0	0
Dairy Cows	Kidney	439	0	439	0	0	0	0	0	0	0	0
Bob Veal	Kidney	377	0	377	0	0	0	0	0	0	0	0
Fancy Veal	Kidney	111	0	111	0	0	0	0	0	0	0	0
Non-formula-fed Veal	Kidney	97	0	97	0	0	0	0	0	0	0	0
Heavy Calves	Kidney	141	0	141	0	0	0	0	0	0	0	0
Lambs	Kidney	222	0	222	0	0	0	0	0	0	0	0
Market Hogs	Kidney	948	0	948	0	0	0	0	0	0	0	0
Boars/Stags	Kidney	245	0	245	0	0	0	0	0	0	0	0
Sows	Kidney	256	0	256	0	0	0	0	0	0	0	0
Young Chickens	Kidney	364	0	364	0	0	0	0	0	0	0	0
Mature Chickens	Kidney	278	0	278	0	0	0	0	0	0	0	0

Table 54
Residue Data - Doramectin (ppb)
2004 Domestic Monitoring Plan

				Amount Found in Sample								
Production Class	**Tissue**	**Number Samples**	**Viol-ations**	**None**	**-0.01 0.10**	**-0.11 0.20**	**-0.21 0.30**	**-0.31 0.50**	**-0.51 1.00**	**-1.01 2.50**	**-2.51 5.00**	**Over 5.00**
Bulls	Liver	277	0	277	0	0	0	0	0	0	0	0
Beef Cows	Liver	285	0	285	0	0	0	0	0	0	0	0
Non-formula-fed Veal	Liver	63	0	63	0	0	0	0	0	0	0	0
Mature Sheep	Liver	74	1	73	0	0	0	0	0	0	0	1
Goats	Liver	232	0	232	0	0	0	0	0	0	0	0

Table 55
Residue Data - Endosulfan I (ppm)
2004 Domestic Monitoring Plan

				Amount Found in Sample								
Production Class	**Tissue**	**Number Samples**	**Viol-ations**	**None**	**-0.01 0.10**	**-0.11 0.20**	**-0.21 0.30**	**-0.31 0.50**	**-0.51 1.00**	**-1.01 2.50**	**-2.51 5.00**	**Over 5.00**
Bulls	Fat	263	0	263	0	0	0	0	0	0	0	0
Steers	Fat	432	0	432	0	0	0	0	0	0	0	0
Beef Cows	Fat	315	0	315	0	0	0	0	0	0	0	0
Heifers	Fat	442	0	442	0	0	0	0	0	0	0	0
Dairy Cows	Fat	305	0	305	0	0	0	0	0	0	0	0
Fancy Veal	Fat	263	0	263	0	0	0	0	0	0	0	0
Non-formula-fed Veal	Fat	101	0	101	0	0	0	0	0	0	0	0
Heavy Calves	Fat	244	0	244	0	0	0	0	0	0	0	0
Mature Sheep	Fat	155	0	155	0	0	0	0	0	0	0	0
Lambs	Fat	245	0	245	0	0	0	0	0	0	0	0
Goats	Fat	222	0	222	0	0	0	0	0	0	0	0
Market Hogs	Fat	445	0	445	0	0	0	0	0	0	0	0
Boars/Stags	Fat	252	0	252	0	0	0	0	0	0	0	0
Sows	Fat	247	0	247	0	0	0	0	0	0	0	0
Young Chickens	Fat	484	0	484	0	0	0	0	0	0	0	0
Mature Chickens	Fat	103	0	103	0	0	0	0	0	0	0	0
Young Turkeys	Fat	363	0	363	0	0	0	0	0	0	0	0
Mature Turkeys	Fat	103	0	103	0	0	0	0	0	0	0	0

Table 56
Residue Data - Endrin (ppm)
2004 Domestic Monitoring Plan

				Amount Found in Sample								
Production Class	**Tissue**	**Number Samples**	**Viol-ations**	**None**	**-0.01 0.10**	**-0.11 0.20**	**-0.21 0.30**	**-0.31 0.50**	**-0.51 1.00**	**-1.01 2.50**	**-2.51 5.00**	**Over 5.00**
Bulls	Fat	263	0	263	0	0	0	0	0	0	0	0
Steers	Fat	432	0	432	0	0	0	0	0	0	0	0
Beef Cows	Fat	315	0	315	0	0	0	0	0	0	0	0
Heifers	Fat	442	0	442	0	0	0	0	0	0	0	0
Dairy Cows	Fat	305	0	305	0	0	0	0	0	0	0	0
Fancy Veal	Fat	263	0	263	0	0	0	0	0	0	0	0
Non-formula-fed Veal	Fat	101	0	101	0	0	0	0	0	0	0	0
Heavy Calves	Fat	244	0	244	0	0	0	0	0	0	0	0
Mature Sheep	Fat	155	0	155	0	0	0	0	0	0	0	0
Lambs	Fat	245	0	245	0	0	0	0	0	0	0	0
Goats	Fat	222	0	222	0	0	0	0	0	0	0	0
Market Hogs	Fat	445	0	445	0	0	0	0	0	0	0	0
Boars/Stags	Fat	252	0	252	0	0	0	0	0	0	0	0
Sows	Fat	247	0	247	0	0	0	0	0	0	0	0
Young Chickens	Fat	484	0	484	0	0	0	0	0	0	0	0
Mature Chickens	Fat	103	0	103	0	0	0	0	0	0	0	0
Young Turkeys	Fat	363	0	363	0	0	0	0	0	0	0	0
Mature Turkeys	Fat	103	0	103	0	0	0	0	0	0	0	0

Table 57
Residue Data - Erythromycin (ppm)
2004 Domestic Monitoring Plan

				Amount Found in Sample								
Production Class	**Tissue**	**Number Samples**	**Viol-ations**	**None**	**-0.01 0.10**	**-0.11 0.20**	**-0.21 0.30**	**-0.31 0.50**	**-0.51 1.00**	**-1.01 2.50**	**-2.51 5.00**	**Over 5.00**
Beef Cows	Kidney	323	0	323	0	0	0	0	0	0	0	0
Heifers	Kidney	469	0	469	0	0	0	0	0	0	0	0
Dairy Cows	Kidney	439	0	439	0	0	0	0	0	0	0	0
Bob Veal	Kidney	377	0	377	0	0	0	0	0	0	0	0
Fancy Veal	Kidney	111	0	111	0	0	0	0	0	0	0	0
Non-formula-fed Veal	Kidney	97	0	97	0	0	0	0	0	0	0	0
Heavy Calves	Kidney	141	0	141	0	0	0	0	0	0	0	0
Lambs	Kidney	222	0	222	0	0	0	0	0	0	0	0
Market Hogs	Kidney	948	0	948	0	0	0	0	0	0	0	0
Boars/Stags	Kidney	245	0	245	0	0	0	0	0	0	0	0
Sows	Kidney	256	0	256	0	0	0	0	0	0	0	0
Young Chickens	Kidney	364	0	364	0	0	0	0	0	0	0	0
Mature Chickens	Kidney	278	0	278	0	0	0	0	0	0	0	0

Table 58
ResidueData - Ethion (ppm)
2004 Domestic Monitoring Plan

				---------- Amount Found in Sample ----------								
Production Class	**Tissue**	**Number Samples**	**Viol-ations**	**None**	**-0.01 0.10**	**-0.11 0.20**	**-0.21 0.30**	**-0.31 0.50**	**-0.51 1.00**	**-1.01 2.50**	**-2.51 5.00**	**Over 5.00**
Bulls	Fat	263	0	263	0	0	0	0	0	0	0	0
Steers	Fat	432	0	432	0	0	0	0	0	0	0	0
Beef Cows	Fat	315	0	315	0	0	0	0	0	0	0	0
Heifers	Fat	442	0	442	0	0	0	0	0	0	0	0
Dairy Cows	Fat	305	0	305	0	0	0	0	0	0	0	0
Fancy Veal	Fat	263	0	263	0	0	0	0	0	0	0	0
Non-formula-fed Veal	Fat	101	0	101	0	0	0	0	0	0	0	0
Heavy Calves	Fat	244	0	244	0	0	0	0	0	0	0	0
Mature Sheep	Fat	155	0	155	0	0	0	0	0	0	0	0
Lambs	Fat	245	0	245	0	0	0	0	0	0	0	0
Goats	Fat	222	0	222	0	0	0	0	0	0	0	0
Market Hogs	Fat	445	0	445	0	0	0	0	0	0	0	0
Boars/Stags	Fat	252	0	252	0	0	0	0	0	0	0	0
Sows	Fat	247	0	247	0	0	0	0	0	0	0	0
Young Chickens	Fat	484	0	484	0	0	0	0	0	0	0	0
Mature Chickens	Fat	103	0	103	0	0	0	0	0	0	0	0
Young Turkeys	Fat	363	0	363	0	0	0	0	0	0	0	0
Mature Turkeys	Fat	103	0	103	0	0	0	0	0	0	0	0

Table 59
Residue Data - Famphur (ppm)
2004 Domestic Monitoring Plan

				Amount Found in Sample								
Production Class	**Tissue**	**Number Samples**	**Viol-ations**	**None**	**-0.01 0.10**	**-0.11 0.20**	**-0.21 0.30**	**-0.31 0.50**	**-0.51 1.00**	**-1.01 2.50**	**-2.51 5.00**	**Over 5.00**
Bulls	Fat	263	0	263	0	0	0	0	0	0	0	0
Steers	Fat	432	0	432	0	0	0	0	0	0	0	0
Beef Cows	Fat	315	0	315	0	0	0	0	0	0	0	0
Heifers	Fat	442	0	442	0	0	0	0	0	0	0	0
Dairy Cows	Fat	305	0	305	0	0	0	0	0	0	0	0
Fancy Veal	Fat	263	0	263	0	0	0	0	0	0	0	0
Non-formula-fed Veal	Fat	101	0	101	0	0	0	0	0	0	0	0
Heavy Calves	Fat	244	0	244	0	0	0	0	0	0	0	0
Mature Sheep	Fat	155	0	155	0	0	0	0	0	0	0	0
Lambs	Fat	245	0	245	0	0	0	0	0	0	0	0
Goats	Fat	222	0	222	0	0	0	0	0	0	0	0
Market Hogs	Fat	445	0	445	0	0	0	0	0	0	0	0
Boars/Stags	Fat	252	0	252	0	0	0	0	0	0	0	0
Sows	Fat	247	0	247	0	0	0	0	0	0	0	0
Young Chickens	Fat	484	0	484	0	0	0	0	0	0	0	0
Mature Chickens	Fat	103	0	103	0	0	0	0	0	0	0	0
Young Turkeys	Fat	363	0	363	0	0	0	0	0	0	0	0
Mature Turkeys	Fat	103	0	103	0	0	0	0	0	0	0	0

Table 60
Residue Data - Florfenicol (ppm)
2004 Domestic Monitoring Plan

				Amount Found in Sample								
Production Class	**Tissue**	**Number Samples**	**Viol-ations**	**None**	**-0.01 0.10**	**-0.11 0.20**	**-0.21 0.30**	**-0.31 0.50**	**-0.51 1.00**	**-1.01 2.50**	**-2.51 5.00**	**Over 5.00**
Dairy Cows	Liver	50	0	50	0	0	0	0	0	0	0	0
Fancy Veal	Liver	63	0	63	0	0	0	0	0	0	0	0

Table 61
Residue Data -Flunixin (ppb)
2004 Domestic Monitoring Plan

				Amount Found in Sample								
Production Class	**Tissue**	**Number Samples**	**Viol-ations**	**None**	**-0.01 0.10**	**-0.11 0.20**	**-0.21 0.30**	**-0.31 0.50**	**-0.51 1.00**	**-1.01 2.50**	**-2.51 5.00**	**Over 5.00**
Dairy Cows	Liver	213	3	210	0	1	1	0	1	0	0	0

Table 62
Residue Data - Gentamycin (ppm)
2004 Domestic Monitoring Plan

				Amount Found in Sample								
Production Class	**Tissue**	**Number Samples**	**Viol-ations**	**None**	**-0.01 0.10**	**-0.11 0.20**	**-0.21 0.30**	**-0.31 0.50**	**-0.51 1.00**	**-1.01 2.50**	**-2.51 5.00**	**Over 5.00**
Beef Cows	Kidney	323	0	323	0	0	0	0	0	0	0	0
Heifers	Kidney	469	1	468	0	0	0	1	0	0	0	0
Dairy Cows	Kidney	439	0	439	0	0	0	0	0	0	0	0
Bob Veal	Kidney	377	0	377	0	0	0	0	0	0	0	0
Fancy Veal	Kidney	111	0	111	0	0	0	0	0	0	0	0
Non-formula-fed Veal	Kidney	97	0	97	0	0	0	0	0	0	0	0
Heavy Calves	Kidney	141	1	140	0	0	0	0	1	0	0	0
Lambs	Kidney	222	0	222	0	0	0	0	0	0	0	0
Market Hogs	Kidney	948	0	948	0	0	0	0	0	0	0	0
Boars/Stags	Kidney	245	1	243	0	1	0	0	0	0	1	0
Sows	Kidney	256	1	255	0	0	0	0	1	0	0	0
Young Chickens	Kidney	364	0	364	0	0	0	0	0	0	0	0
Mature Chickens	Kidney	278	0	278	0	0	0	0	0	0	0	0

Table 63
Residue Data - Halowax (ppm)
2004 Domestic Monitoring Plan

				Amount Found in Sample								
Production Class	**Tissue**	**Number Samples**	**Viol-ations**	**None**	**-0.01 0.10**	**-0.11 0.20**	**-0.21 0.30**	**-0.31 0.50**	**-0.51 1.00**	**-1.01 2.50**	**-2.51 5.00**	**Over 5.00**
Bulls	Fat	263	0	263	0	0	0	0	0	0	0	0
Steers	Fat	432	0	432	0	0	0	0	0	0	0	0
Beef Cows	Fat	315	0	315	0	0	0	0	0	0	0	0
Heifers	Fat	442	0	442	0	0	0	0	0	0	0	0
Dairy Cows	Fat	305	0	305	0	0	0	0	0	0	0	0
Fancy Veal	Fat	263	0	263	0	0	0	0	0	0	0	0
Non-formula-fed Veal	Fat	101	0	101	0	0	0	0	0	0	0	0
Heavy Calves	Fat	244	0	244	0	0	0	0	0	0	0	0
Mature Sheep	Fat	155	0	155	0	0	0	0	0	0	0	0
Lambs	Fat	245	0	245	0	0	0	0	0	0	0	0
Goats	Fat	222	0	222	0	0	0	0	0	0	0	0
Market Hogs	Fat	445	0	445	0	0	0	0	0	0	0	0
Boars/Stags	Fat	252	2	250	0	0	0	0	0	0	0	2
Sows	Fat	247	0	247	0	0	0	0	0	0	0	0
Young Chickens	Fat	484	0	484	0	0	0	0	0	0	0	0
Mature Chickens	Fat	103	0	103	0	0	0	0	0	0	0	0
Young Turkeys	Fat	363	0	363	0	0	0	0	0	0	0	0
Mature Turkeys	Fat	103	0	103	0	0	0	0	0	0	0	0

Table 64
Residue Data - Heptachlor (ppm)
2004 Domestic Monitoring Plan

				Amount Found in Sample								
Production Class	**Tissue**	**Number Samples**	**Viol-ations**	**None**	**-0.01 0.10**	**-0.11 0.20**	**-0.21 0.30**	**-0.31 0.50**	**-0.51 1.00**	**-1.01 2.50**	**-2.51 5.00**	**Over 5.00**
Bulls	Fat	263	0	263	0	0	0	0	0	0	0	0
Steers	Fat	432	0	432	0	0	0	0	0	0	0	0
Beef Cows	Fat	315	0	315	0	0	0	0	0	0	0	0
Heifers	Fat	442	0	442	0	0	0	0	0	0	0	0
Dairy Cows	Fat	305	0	305	0	0	0	0	0	0	0	0
Fancy Veal	Fat	263	0	263	0	0	0	0	0	0	0	0
Non-formula-fed Veal	Fat	101	0	101	0	0	0	0	0	0	0	0
Heavy Calves	Fat	244	0	244	0	0	0	0	0	0	0	0
Mature Sheep	Fat	155	0	155	0	0	0	0	0	0	0	0
Lambs	Fat	245	0	245	0	0	0	0	0	0	0	0
Goats	Fat	222	0	222	0	0	0	0	0	0	0	0
Market Hogs	Fat	445	0	445	0	0	0	0	0	0	0	0
Boars/Stags	Fat	252	0	252	0	0	0	0	0	0	0	0
Sows	Fat	247	0	247	0	0	0	0	0	0	0	0
Young Chickens	Fat	484	0	484	0	0	0	0	0	0	0	0
Mature Chickens	Fat	103	0	103	0	0	0	0	0	0	0	0
Young Turkeys	Fat	363	0	363	0	0	0	0	0	0	0	0
Mature Turkeys	Fat	103	0	103	0	0	0	0	0	0	0	0

Table 65
Residue Data - Heptachlor Epoxide (ppm)
2004 Domestic Monitoring Plan

				---------- Amount Found in Sample ----------								
Production Class	**Tissue**	**Number Samples**	**Viol-ations**	**None**	**-0.01 0.10**	**-0.11 0.20**	**-0.21 0.30**	**-0.31 0.50**	**-0.51 1.00**	**-1.01 2.50**	**-2.51 5.00**	**Over 5.00**
Bulls	Fat	263	0	263	0	0	0	0	0	0	0	0
Steers	Fat	432	0	432	0	0	0	0	0	0	0	0
Beef Cows	Fat	315	0	315	0	0	0	0	0	0	0	0
Heifers	Fat	442	0	442	0	0	0	0	0	0	0	0
Dairy Cows	Fat	305	0	305	0	0	0	0	0	0	0	0
Fancy Veal	Fat	263	0	263	0	0	0	0	0	0	0	0
Non-formula-fed Veal	Fat	101	0	101	0	0	0	0	0	0	0	0
Heavy Calves	Fat	244	0	244	0	0	0	0	0	0	0	0
Mature Sheep	Fat	155	0	155	0	0	0	0	0	0	0	0
Lambs	Fat	245	0	245	0	0	0	0	0	0	0	0
Goats	Fat	222	0	222	0	0	0	0	0	0	0	0
Market Hogs	Fat	445	0	445	0	0	0	0	0	0	0	0
Boars/Stags	Fat	252	0	252	0	0	0	0	0	0	0	0
Sows	Fat	247	0	247	0	0	0	0	0	0	0	0
Young Chickens	Fat	484	0	484	0	0	0	0	0	0	0	0
Mature Chickens	Fat	103	0	103	0	0	0	0	0	0	0	0
Young Turkeys	Fat	363	0	363	0	0	0	0	0	0	0	0
Mature Turkeys	Fat	103	0	103	0	0	0	0	0	0	0	0

Table 66
Residue Data - Hexachlorobenzene (HCB) (ppm)
2004 Domestic Monitoring Plan

				Amount Found in Sample								
Production Class	**Tissue**	**Number Samples**	**Viol-ations**	**None**	**-0.01 0.10**	**-0.11 0.20**	**-0.21 0.30**	**-0.31 0.50**	**-0.51 1.00**	**-1.01 2.50**	**-2.51 5.00**	**Over 5.00**
Bulls	Fat	263	0	263	0	0	0	0	0	0	0	0
Steers	Fat	432	0	432	0	0	0	0	0	0	0	0
Beef Cows	Fat	315	0	315	0	0	0	0	0	0	0	0
Heifers	Fat	442	0	442	0	0	0	0	0	0	0	0
Dairy Cows	Fat	305	0	305	0	1	0	0	0	0	0	0
Fancy Veal	Fat	263	0	263	0	0	0	0	0	0	0	0
Non-formula-fed Veal	Fat	101	0	101	0	0	0	0	0	0	0	0
Heavy Calves	Fat	244	0	244	0	0	0	0	0	0	0	0
Mature Sheep	Fat	155	0	155	0	0	0	0	0	0	0	0
Lambs	Fat	245	0	245	0	0	0	0	0	0	0	0
Goats	Fat	222	0	222	0	0	0	0	0	0	0	0
Market Hogs	Fat	445	0	445	0	0	0	0	0	0	0	0
Boars/Stags	Fat	252	0	252	0	0	0	0	0	0	0	0
Sows	Fat	247	0	247	0	0	0	0	0	0	0	0
Young Chickens	Fat	484	0	484	0	0	0	0	0	0	0	0
Mature Chickens	Fat	103	0	103	0	0	0	0	0	0	0	0
Young Turkeys	Fat	363	0	363	0	0	0	0	0	0	0	0
Mature Turkeys	Fat	103	0	103	0	0	0	0	0	0	0	0

Table 67
Residue Data - Hygromycin (ppm)
2004 Domestic Monitoring Plan

				Amount Found in Sample								
Production Class	**Tissue**	**Number Samples**	**Viol-ations**	**None**	**-0.01 0.10**	**-0.11 0.20**	**-0.21 0.30**	**-0.31 0.50**	**-0.51 1.00**	**-1.01 2.50**	**-2.51 5.00**	**Over 5.00**
Beef Cows	Kidney	323	0	323	0	0	0	0	0	0	0	0
Heifers	Kidney	469	0	469	0	0	0	0	0	0	0	0
Dairy Cows	Kidney	439	0	439	0	0	0	0	0	0	0	0
Bob Veal	Kidney	377	0	377	0	0	0	0	0	0	0	0
Fancy Veal	Kidney	111	0	111	0	0	0	0	0	0	0	0
Non-formula-fed Veal	Kidney	97	0	97	0	0	0	0	0	0	0	0
Heavy Calves	Kidney	141	0	141	0	0	0	0	0	0	0	0
Lambs	Kidney	222	0	222	0	0	0	0	0	0	0	0
Market Hogs	Kidney	948	0	948	0	0	0	0	0	0	0	0
Boars/Stags	Kidney	245	0	245	0	0	0	0	0	0	0	0
Sows	Kidney	256	0	256	0	0	0	0	0	0	0	0
Young Chickens	Kidney	364	0	364	0	0	0	0	0	0	0	0
Mature Chickens	Kidney	278	0	278	0	0	0	0	0	0	0	0

Table 68
Residue Data - Ivermectin (ppb)
2004 Domestic Monitoring Plan

				---------- Amount Found in Sample ----------								
Production Class	**Tissue**	**Number Samples**	**Viol-ations**	**None**	**-0.01 0.10**	**-0.11 0.20**	**-0.21 0.30**	**-0.31 0.50**	**-0.51 1.00**	**-1.01 2.50**	**-2.51 5.00**	**Over 5.00**
Bulls	Liver	277	2	270	0	0	0	0	0	0	0	7
Beef Cows	Liver	285	0	283	0	0	0	0	0	0	0	2
Non-formula-fed Veal	Liver	63	0	62	0	0	0	0	0	0	0	1
Mature Sheep	Liver	74	0	73	0	0	0	0	0	0	0	1
Goats	Liver	232	1	231	0	0	0	0	0	0	0	1

Table 69
Residue Data - Kanamycin (ppm)
2004 Domestic Monitoring Plan

				---------- Amount Found in Sample ----------								
Production Class	**Tissue**	**Number Samples**	**Viol-ations**	**None**	**-0.01 0.10**	**-0.11 0.20**	**-0.21 0.30**	**-0.31 0.50**	**-0.51 1.00**	**-1.01 2.50**	**-2.51 5.00**	**Over 5.00**
Beef Cows	Kidney	323	0	323	0	0	0	0	0	0	0	0
Heifers	Kidney	469	0	469	0	0	0	0	0	0	0	0
Dairy Cows	Kidney	439	0	439	0	0	0	0	0	0	0	0
Bob Veal	Kidney	377	0	377	0	0	0	0	0	0	0	0
Fancy Veal	Kidney	111	0	111	0	0	0	0	0	0	0	0
Non-formula-fed Veal	Kidney	97	0	97	0	0	0	0	0	0	0	0
Heavy Calves	Kidney	141	0	141	0	0	0	0	0	0	0	0
Lambs	Kidney	222	0	222	0	0	0	0	0	0	0	0
Market Hogs	Kidney	948	0	948	0	0	0	0	0	0	0	0
Boars/Stags	Kidney	245	0	245	0	0	0	0	0	0	0	0
Sows	Kidney	256	0	256	0	0	0	0	0	0	0	0
Young Chickens	Kidney	364	0	364	0	0	0	0	0	0	0	0
Mature Chickens	Kidney	278	0	278	0	0	0	0	0	0	0	0

Table 70
Residue Data - Lindane (ppm)
2004 Domestic Monitoring Plan

				Amount Found in Sample								
Production Class	**Tissue**	**Number Samples**	**Viol-ations**	**None**	**-0.01 0.10**	**-0.11 0.20**	**-0.21 0.30**	**-0.31 0.50**	**-0.51 1.00**	**-1.01 2.50**	**-2.51 5.00**	**Over 5.00**
Bulls	Fat	263	0	263	0	0	0	0	0	0	0	0
Steers	Fat	432	0	432	0	0	0	0	0	0	0	0
Beef Cows	Fat	315	0	315	0	0	0	0	0	0	0	0
Heifers	Fat	442	0	442	0	0	0	0	0	0	0	0
Dairy Cows	Fat	305	0	305	0	0	0	0	0	0	0	0
Fancy Veal	Fat	263	0	263	0	0	0	0	0	0	0	0
Non-formula-fed Veal	Fat	101	0	101	0	0	0	0	0	0	0	0
Heavy Calves	Fat	244	0	244	0	0	0	0	0	0	0	0
Mature Sheep	Fat	155	0	155	0	0	0	0	0	0	0	0
Lambs	Fat	245	0	245	0	0	0	0	0	0	0	0
Goats	Fat	222	0	222	0	0	0	0	0	0	0	0
Market Hogs	Fat	445	0	445	0	0	0	0	0	0	0	0
Boars/Stags	Fat	252	0	252	0	0	0	0	0	0	0	0
Sows	Fat	247	0	247	0	0	0	0	0	0	0	0
Young Chickens	Fat	484	0	484	0	0	0	0	0	0	0	0
Mature Chickens	Fat	103	0	103	0	0	0	0	0	0	0	0
Young Turkeys	Fat	363	0	363	0	0	0	0	0	0	0	0
Mature Turkeys	Fat	103	0	103	0	0	0	0	0	0	0	0

Table 71
Residue Data - Linuron (ppm)
2004 Domestic Monitoring Plan

				Amount Found in Sample								
Production Class	**Tissue**	**Number Samples**	**Viol-ations**	**None**	**-0.01 0.10**	**-0.11 0.20**	**-0.21 0.30**	**-0.31 0.50**	**-0.51 1.00**	**-1.01 2.50**	**-2.51 5.00**	**Over 5.00**
Bulls	Fat	263	0	263	0	0	0	0	0	0	0	0
Steers	Fat	432	0	432	0	0	0	0	0	0	0	0
Beef Cows	Fat	315	0	315	0	0	0	0	0	0	0	0
Heifers	Fat	442	0	442	0	0	0	0	0	0	0	0
Dairy Cows	Fat	305	0	305	0	0	0	0	0	0	0	0
Fancy Veal	Fat	263	0	263	0	0	0	0	0	0	0	0
Non-formula-fed Veal	Fat	101	0	101	0	0	0	0	0	0	0	0
Heavy Calves	Fat	244	0	244	0	0	0	0	0	0	0	0
Mature Sheep	Fat	155	0	155	0	0	0	0	0	0	0	0
Lambs	Fat	245	0	245	0	0	0	0	0	0	0	0
Goats	Fat	222	0	222	0	0	0	0	0	0	0	0
Market Hogs	Fat	445	0	445	0	0	0	0	0	0	0	0
Boars/Stags	Fat	252	0	252	0	0	0	0	0	0	0	0
Sows	Fat	247	0	247	0	0	0	0	0	0	0	0
Young Chickens	Fat	484	0	484	0	0	0	0	0	0	0	0
Mature Chickens	Fat	103	0	103	0	0	0	0	0	0	0	0
Young Turkeys	Fat	363	0	363	0	0	0	0	0	0	0	0
Mature Turkeys	Fat	103	0	103	0	0	0	0	0	0	0	0

Table 72
Residue Data - Melengestrol Acetate (MGA) (ppb)
2004 Domestic Monitoring Plan

				Amount Found in Sample								
Production Class	**Tissue**	**Number Samples**	**Viol-ations**	**None**	**-0.01 0.10**	**-0.11 0.20**	**-0.21 0.30**	**-0.31 0.50**	**-0.51 1.00**	**-1.01 2.50**	**-2.51 5.00**	**Over 5.00**
Heifers	Fat	238	0	218	20	0	0	0	0	0	0	0

Table 73
Residue Data - Methoxychlor (ppm)
2004 Domestic Monitoring Plan

				---------- Amount Found in Sample ----------								
Production Class	**Tissue**	**Number Samples**	**Viol-ations**	**None**	**-0.01 0.10**	**-0.11 0.20**	**-0.21 0.30**	**-0.31 0.50**	**-0.51 1.00**	**-1.01 2.50**	**-2.51 5.00**	**Over 5.00**
Bulls	Fat	263	0	263	0	0	0	0	0	0	0	0
Steers	Fat	432	0	432	0	0	0	0	0	0	0	0
Beef Cows	Fat	315	0	315	0	0	0	0	0	0	0	0
Heifers	Fat	442	0	442	0	0	0	0	0	0	0	0
Dairy Cows	Fat	305	0	305	0	0	0	0	0	0	0	0
Fancy Veal	Fat	263	0	263	0	0	0	0	0	0	0	0
Non-formula-fed Veal	Fat	101	0	101	0	0	0	0	0	0	0	0
Heavy Calves	Fat	244	0	244	0	0	0	0	0	0	0	0
Mature Sheep	Fat	155	0	155	0	0	0	0	0	0	0	0
Lambs	Fat	245	0	245	0	0	0	0	0	0	0	0
Goats	Fat	222	0	222	0	0	0	0	0	0	0	0
Market Hogs	Fat	445	0	445	0	0	0	0	0	0	0	0
Boars/Stags	Fat	252	0	252	0	0	0	0	0	0	0	0
Sows	Fat	247	0	247	0	0	0	0	0	0	0	0
Young Chickens	Fat	484	0	484	0	0	0	0	0	0	0	0
Mature Chickens	Fat	103	0	103	0	0	0	0	0	0	0	0
Young Turkeys	Fat	363	0	363	0	0	0	0	0	0	0	0
Mature Turkeys	Fat	103	0	103	0	0	0	0	0	0	0	0

Table 74
Residue Data - Mirex (ppm)
2004 Domestic Monitoring Plan

				Amount Found in Sample								
Production Class	**Tissue**	**Number Samples**	**Viol-ations**	**None**	**-0.01 0.10**	**-0.11 0.20**	**-0.21 0.30**	**-0.31 0.50**	**-0.51 1.00**	**-1.01 2.50**	**-2.51 5.00**	**Over 5.00**
Bulls	Fat	263	0	263	0	0	0	0	0	0	0	0
Steers	Fat	432	0	432	0	0	0	0	0	0	0	0
Beef Cows	Fat	315	0	315	0	0	0	0	0	0	0	0
Heifers	Fat	442	0	442	0	0	0	0	0	0	0	0
Dairy Cows	Fat	305	0	305	0	0	0	0	0	0	0	0
Fancy Veal	Fat	263	0	263	0	0	0	0	0	0	0	0
Non-formula-fed Veal	Fat	101	0	101	0	0	0	0	0	0	0	0
Heavy Calves	Fat	244	0	244	0	0	0	0	0	0	0	0
Mature Sheep	Fat	155	0	155	0	0	0	0	0	0	0	0
Lambs	Fat	245	0	245	0	0	0	0	0	0	0	0
Goats	Fat	222	0	222	0	0	0	0	0	0	0	0
Market Hogs	Fat	445	0	445	0	0	0	0	0	0	0	0
Boars/Stags	Fat	252	0	252	0	0	0	0	0	0	0	0
Sows	Fat	247	0	247	0	0	0	0	0	0	0	0
Young Chickens	Fat	484	0	484	0	0	0	0	0	0	0	0
Mature Chickens	Fat	103	0	103	0	0	0	0	0	0	0	0
Young Turkeys	Fat	363	0	363	0	0	0	0	0	0	0	0
Mature Turkeys	Fat	103	0	103	0	0	0	0	0	0	0	0

Table 75
Residue Data - Moxidectin (ppb)
2004 Domestic Monitoring Plan

				Amount Found in Sample								
Production Class	**Tissue**	**Number Samples**	**Viol-ations**	**None**	**-0.01 0.10**	**-0.11 0.20**	**-0.21 0.30**	**-0.31 0.50**	**-0.51 1.00**	**-1.01 2.50**	**-2.51 5.00**	**Over 5.00**
Bulls	Liver	277	0	273	0	0	0	0	0	0	0	4
Beef Cows	Liver	285	0	285	0	0	0	0	0	0	0	0
Non-formula-fed Veal	Liver	63	0	63	0	0	0	0	0	0	0	0
Mature Sheep	Liver	74	0	74	0	0	0	0	0	0	0	0
Goats	Liver	232	11	221	0	0	0	0	0	0	0	11

Table 76
Residue Data - Neomycin (ppm)
2004 Domestic Monitoring Plan

				Amount Found in Sample								
Production Class	**Tissue**	**Number Samples**	**Viol-ations**	**None**	**-0.01 0.10**	**-0.11 0.20**	**-0.21 0.30**	**-0.31 0.50**	**-0.51 1.00**	**-1.01 2.50**	**-2.51 5.00**	**Over 5.00**
Beef Cows	Kidney	323	0	323	0	0	0	0	0	0	0	0
Heifers	Kidney	469	0	469	0	0	0	0	0	0	0	0
Dairy Cows	Kidney	439	0	438	0	0	0	0	0	0	0	1
Bob Veal	Kidney	377	15	362	0	0	0	0	0	3	4	8
Fancy Veal	Kidney	111	7	104	0	0	0	2	1	2	1	1
Non-formula-fed Veal	Kidney	97	2	95	0	0	0	0	0	0	1	1
Heavy Calves	Kidney	141	0	141	0	0	0	0	0	0	0	0
Lambs	Kidney	222	0	222	0	0	0	0	0	0	0	0
Market Hogs	Kidney	948	0	948	0	0	0	0	0	0	0	0
Boars/Stags	Kidney	245	0	245	0	0	0	0	0	0	0	0
Sows	Kidney	256	0	256	0	0	0	0	0	0	0	0
Young Chickens	Kidney	364	1	363	0	0	0	0	1	0	0	0
Mature Chickens	Kidney	278	0	278	0	0	0	0	0	0	0	0

Table 77
Residue Data - Nonachlor (ppm)
2004 Domestic Monitoring Plan

				Amount Found in Sample								
Production Class	**Tissue**	**Number Samples**	**Viol-ations**	**None**	**-0.01 0.10**	**-0.11 0.20**	**-0.21 0.30**	**-0.31 0.50**	**-0.51 1.00**	**-1.01 2.50**	**-2.51 5.00**	**Over 5.00**
Bulls	Fat	263	0	263	0	0	0	0	0	0	0	0
Steers	Fat	432	0	432	0	0	0	0	0	0	0	0
Beef Cows	Fat	315	0	315	0	0	0	0	0	0	0	0
Heifers	Fat	442	0	442	0	0	0	0	0	0	0	0
Dairy Cows	Fat	305	0	305	0	0	0	0	0	0	0	0
Fancy Veal	Fat	263	0	263	0	0	0	0	0	0	0	0
Non-formula-fed Veal	Fat	101	0	101	0	0	0	0	0	0	0	0
Heavy Calves	Fat	244	0	244	0	0	0	0	0	0	0	0
Mature Sheep	Fat	155	0	155	0	0	0	0	0	0	0	0
Lambs	Fat	245	0	245	0	0	0	0	0	0	0	0
Goats	Fat	222	0	222	0	0	0	0	0	0	0	0
Market Hogs	Fat	445	0	445	0	0	0	0	0	0	0	0
Boars/Stags	Fat	252	0	252	0	0	0	0	0	0	0	0
Sows	Fat	247	0	247	0	0	0	0	0	0	0	0
Young Chickens	Fat	484	0	484	0	0	0	0	0	0	0	0
Mature Chickens	Fat	103	0	103	0	0	0	0	0	0	0	0
Young Turkeys	Fat	363	0	363	0	0	0	0	0	0	0	0
Mature Turkeys	Fat	103	0	103	0	0	0	0	0	0	0	0

Table 78
Residue Data - Oleandomycin (ppm)
2004 Domestic Monitoring Plan

				Amount Found in Sample								
Production Class	**Tissue**	**Number Samples**	**Viol-ations**	**None**	**-0.01 0.10**	**-0.11 0.20**	**-0.21 0.30**	**-0.31 0.50**	**-0.51 1.00**	**-1.01 2.50**	**-2.51 5.00**	**Over 5.00**
Beef Cows	Kidney	323	0	323	0	0	0	0	0	0	0	0
Heifers	Kidney	469	0	469	0	0	0	0	0	0	0	0
Dairy Cows	Kidney	439	0	439	0	0	0	0	0	0	0	0
Bob Veal	Kidney	377	0	377	0	0	0	0	0	0	0	0
Fancy Veal	Kidney	111	0	111	0	0	0	0	0	0	0	0
Non-formula-fed Veal	Kidney	97	0	97	0	0	0	0	0	0	0	0
Heavy Calves	Kidney	141	0	141	0	0	0	0	0	0	0	0
Lambs	Kidney	222	0	222	0	0	0	0	0	0	0	0
Market Hogs	Kidney	948	0	948	0	0	0	0	0	0	0	0
Boars/Stags	Kidney	245	0	245	0	0	0	0	0	0	0	0
Sows	Kidney	256	0	256	0	0	0	0	0	0	0	0
Young Chickens	Kidney	364	0	364	0	0	0	0	0	0	0	0
Mature Chickens	Kidney	278	0	278	0	0	0	0	0	0	0	0

Table 79
Residue Data - Oxytetracycline (ppm)
2004 Domestic Monitoring Plan

				Amount Found in Sample								
Production Class	**Tissue**	**Number Samples**	**Viol-ations**	**None**	**-0.01 0.10**	**-0.11 0.20**	**-0.21 0.30**	**-0.31 0.50**	**-0.51 1.00**	**-1.01 2.50**	**-2.51 5.00**	**Over 5.00**
Beef Cows	Kidney	323	0	323	0	0	0	0	0	0	0	0
Heifers	Kidney	469	0	469	0	0	0	0	0	0	0	0
Dairy Cows	Kidney	439	0	439	0	0	0	0	0	0	0	0
Bob Veal	Kidney	377	0	377	0	0	0	0	0	0	0	0
Fancy Veal	Kidney	111	0	111	0	0	0	0	0	0	0	0
Non-formula-fed Veal	Kidney	97	0	97	0	0	0	0	0	0	0	0
Heavy Calves	Kidney	141	0	141	0	0	0	0	0	0	0	0
Lambs	Kidney	222	0	222	0	0	0	0	0	0	0	0
Market Hogs	Kidney	948	0	948	0	0	0	0	0	0	0	0
Boars/Stags	Kidney	245	0	245	0	0	0	0	0	0	0	0
Sows	Kidney	256	0	256	0	0	0	0	0	0	0	0
Young Chickens	Kidney	364	0	364	0	0	0	0	0	0	0	0
Mature Chickens	Kidney	278	0	278	0	0	0	0	0	0	0	0

Table 80
Residue Data - Parathion (ppm)
2004 Domestic Monitoring Plan

				Amount Found in Sample								
Production Class	**Tissue**	**Number Samples**	**Viol-ations**	**None**	**-0.01 0.10**	**-0.11 0.20**	**-0.21 0.30**	**-0.31 0.50**	**-0.51 1.00**	**-1.01 2.50**	**-2.51 5.00**	**Over 5.00**
Bulls	Fat	263	0	263	0	0	0	0	0	0	0	0
Steers	Fat	432	0	432	0	0	0	0	0	0	0	0
Beef Cows	Fat	315	0	315	0	0	0	0	0	0	0	0
Heifers	Fat	442	0	442	0	0	0	0	0	0	0	0
Dairy Cows	Fat	305	0	305	0	0	0	0	0	0	0	0
Fancy Veal	Fat	263	0	263	0	0	0	0	0	0	0	0
Non-formula-fed Veal	Fat	101	0	101	0	0	0	0	0	0	0	0
Heavy Calves	Fat	244	0	244	0	0	0	0	0	0	0	0
Mature Sheep	Fat	155	0	155	0	0	0	0	0	0	0	0
Lambs	Fat	245	0	245	0	0	0	0	0	0	0	0
Goats	Fat	222	0	222	0	0	0	0	0	0	0	0
Market Hogs	Fat	445	0	445	0	0	0	0	0	0	0	0
Boars/Stags	Fat	252	0	252	0	0	0	0	0	0	0	0
Sows	Fat	247	0	247	0	0	0	0	0	0	0	0
Young Chickens	Fat	484	0	484	0	0	0	0	0	0	0	0
Mature Chickens	Fat	103	0	103	0	0	0	0	0	0	0	0
Young Turkeys	Fat	363	0	363	0	0	0	0	0	0	0	0
Mature Turkeys	Fat	103	0	103	0	0	0	0	0	0	0	0

Table 81
Residue Data - Penicillin (ppm)
2004 Domestic Monitoring Plan

				Amount Found in Sample								
Production Class	**Tissue**	**Number Samples**	**Viol-ations**	**None**	**-0.01 0.10**	**-0.11 0.20**	**-0.21 0.30**	**-0.31 0.50**	**-0.51 1.00**	**-1.01 2.50**	**-2.51 5.00**	**Over 5.00**
Beef Cows	Kidney	323	0	323	0	0	0	0	0	0	0	0
Heifers	Kidney	469	0	469	0	0	0	0	0	0	0	0
Dairy Cows	Kidney	439	3	436	0	0	2	0	1	0	0	0
Bob Veal	Kidney	377	1	376	0	0	0	1	0	0	0	0
Fancy Veal	Kidney	111	1	110	1	0	0	0	0	0	0	0
Non-formula-fed Veal	Kidney	97	0	97	0	0	0	0	0	0	0	0
Heavy Calves	Kidney	141	0	141	0	0	0	0	0	0	0	0
Lambs	Kidney	222	0	222	0	0	0	0	0	0	0	0
Market Hogs	Kidney	948	0	948	0	0	0	0	0	0	0	0
Boars/Stags	Kidney	245	0	245	0	0	0	0	0	0	0	0
Sows	Kidney	256	1	255	0	0	0	0	0	1	0	0
Young Chickens	Kidney	364	0	364	0	0	0	0	0	0	0	0
Mature Chickens	Kidney	278	0	278	0	0	0	0	0	0	0	0

Table 82
Residue Data - Pentachloroaniline (ppm)
2004 Domestic Monitoring Plan

				---------- Amount Found in Sample ----------								
Production Class	**Tissue**	**Number Samples**	**Viol-ations**	**None**	**-0.01 0.10**	**-0.11 0.20**	**-0.21 0.30**	**-0.31 0.50**	**-0.51 1.00**	**-1.01 2.50**	**-2.51 5.00**	**Over 5.00**
Bulls	Fat	263	0	263	0	0	0	0	0	0	0	0
Steers	Fat	432	0	432	0	0	0	0	0	0	0	0
Beef Cows	Fat	315	0	315	0	0	0	0	0	0	0	0
Heifers	Fat	442	0	442	0	0	0	0	0	0	0	0
Dairy Cows	Fat	305	0	305	0	0	0	0	0	0	0	0
Fancy Veal	Fat	263	0	263	0	0	0	0	0	0	0	0
Non-formula-fed Veal	Fat	101	0	101	0	0	0	0	0	0	0	0
Heavy Calves	Fat	244	0	244	0	0	0	0	0	0	0	0
Mature Sheep	Fat	155	0	155	0	0	0	0	0	0	0	0
Lambs	Fat	245	0	245	0	0	0	0	0	0	0	0
Goats	Fat	222	0	222	0	0	0	0	0	0	0	0
Market Hogs	Fat	445	0	445	0	0	0	0	0	0	0	0
Boars/Stags	Fat	252	0	252	0	0	0	0	0	0	0	0
Sows	Fat	247	0	247	0	0	0	0	0	0	0	0
Young Chickens	Fat	484	0	484	0	0	0	0	0	0	0	0
Mature Chickens	Fat	103	0	103	0	0	0	0	0	0	0	0
Young Turkeys	Fat	363	0	363	0	0	0	0	0	0	0	0
Mature Turkeys	Fat	103	0	103	0	0	0	0	0	0	0	0

Table 83
Residue Data - Phenylbutazone (ppm)
2004 Domestic Monitoring Plan

				---------- Amount Found in Sample ----------								
Production Class	**Tissue**	**Number Samples**	**Viol-ations**	**None**	**-0.01 0.10**	**-0.11 0.20**	**-0.21 0.30**	**-0.31 0.50**	**-0.51 1.00**	**-1.01 2.50**	**-2.51 5.00**	**Over 5.00**
Bulls	Fat	263	0	263	0	0	0	0	0	0	0	0
Steers	Fat	432	0	432	0	0	0	0	0	0	0	0
Beef Cows	Fat	315	0	315	0	0	0	0	0	0	0	0
Heifers	Fat	442	0	442	0	0	0	0	0	0	0	0
Dairy Cows	Fat	305	0	305	0	0	0	0	0	0	0	0
Fancy Veal	Fat	263	0	263	0	0	0	0	0	0	0	0
Non-formula-fed Veal	Fat	101	0	101	0	0	0	0	0	0	0	0
Heavy Calves	Fat	244	0	244	0	0	0	0	0	0	0	0
Mature Sheep	Fat	155	0	155	0	0	0	0	0	0	0	0
Lambs	Fat	245	0	245	0	0	0	0	0	0	0	0
Goats	Fat	222	0	222	0	0	0	0	0	0	0	0
Market Hogs	Fat	445	0	445	0	0	0	0	0	0	0	0
Boars/Stags	Fat	252	0	252	0	0	0	0	0	0	0	0
Sows	Fat	247	0	247	0	0	0	0	0	0	0	0
Young Chickens	Fat	484	0	484	0	0	0	0	0	0	0	0
Mature Chickens	Fat	103	0	103	0	0	0	0	0	0	0	0
Young Turkeys	Fat	363	0	363	0	0	0	0	0	0	0	0
Mature Turkeys	Fat	103	0	103	0	0	0	0	0	0	0	0

Table 84
Residue Data - Phosalone (ppm)
2004 Domestic Monitoring Plan

				---------- Amount Found in Sample ----------								
Production Class	**Tissue**	**Number Samples**	**Viol-ations**	**None**	**-0.01 0.10**	**-0.11 0.20**	**-0.21 0.30**	**-0.31 0.50**	**-0.51 1.00**	**-1.01 2.50**	**-2.51 5.00**	**Over 5.00**
Bulls	Fat	263	0	263	0	0	0	0	0	0	0	0
Steers	Fat	432	0	432	0	0	0	0	0	0	0	0
Beef Cows	Fat	315	0	315	0	0	0	0	0	0	0	0
Heifers	Fat	442	0	442	0	0	0	0	0	0	0	0
Dairy Cows	Fat	305	0	305	0	0	0	0	0	0	0	0
Fancy Veal	Fat	263	0	263	0	0	0	0	0	0	0	0
Non-formula-fed Veal	Fat	101	0	101	0	0	0	0	0	0	0	0
Heavy Calves	Fat	244	0	244	0	0	0	0	0	0	0	0
Mature Sheep	Fat	155	0	155	0	0	0	0	0	0	0	0
Lambs	Fat	245	0	245	0	0	0	0	0	0	0	0
Goats	Fat	222	0	222	0	0	0	0	0	0	0	0
Market Hogs	Fat	445	0	445	0	0	0	0	0	0	0	0
Boars/Stags	Fat	252	0	252	0	0	0	0	0	0	0	0
Sows	Fat	247	0	247	0	0	0	0	0	0	0	0
Young Chickens	Fat	484	0	484	0	0	0	0	0	0	0	0
Mature Chickens	Fat	103	0	103	0	0	0	0	0	0	0	0
Young Turkeys	Fat	363	0	363	0	0	0	0	0	0	0	0
Mature Turkeys	Fat	103	0	103	0	0	0	0	0	0	0	0

Table 85
Residue Data - Pirlimycin (ppm)
2004 Domestic Monitoring Plan

				---------- Amount Found in Sample ----------								
Production Class	**Tissue**	**Number Samples**	**Viol-ations**	**None**	**-0.01 0.10**	**-0.11 0.20**	**-0.21 0.30**	**-0.31 0.50**	**-0.51 1.00**	**-1.01 2.50**	**-2.51 5.00**	**Over 5.00**
Beef Cows	Kidney	323	0	323	0	0	0	0	0	0	0	0
Heifers	Kidney	469	0	469	0	0	0	0	0	0	0	0
Dairy Cows	Kidney	439	0	439	0	0	0	0	0	0	0	0
Bob Veal	Kidney	377	0	377	0	0	0	0	0	0	0	0
Fancy Veal	Kidney	111	0	111	0	0	0	0	0	0	0	0
Non-formula-fed Veal	Kidney	97	0	97	0	0	0	0	0	0	0	0
Heavy Calves	Kidney	141	0	141	0	0	0	0	0	0	0	0
Lambs	Kidney	222	0	222	0	0	0	0	0	0	0	0
Market Hogs	Kidney	948	0	948	0	0	0	0	0	0	0	0
Boars/Stags	Kidney	245	0	245	0	0	0	0	0	0	0	0
Sows	Kidney	256	0	256	0	0	0	0	0	0	0	0
Young Chickens	Kidney	364	0	364	0	0	0	0	0	0	0	0
Mature Chickens	Kidney	278	0	278	0	0	0	0	0	0	0	0

Table 86
Residue Data - Polybrominated Biphenyls (PBB) (ppm)
2004 Domestic Monitoring Plan

				Amount Found in Sample								
Production Class	**Tissue**	**Number Samples**	**Viol-ations**	**None**	**-0.01 0.10**	**-0.11 0.20**	**-0.21 0.30**	**-0.31 0.50**	**-0.51 1.00**	**-1.01 2.50**	**-2.51 5.00**	**Over 5.00**
Bulls	Fat	263	0	263	0	0	0	0	0	0	0	0
Steers	Fat	432	0	432	0	0	0	0	0	0	0	0
Beef Cows	Fat	315	0	315	0	0	0	0	0	0	0	0
Heifers	Fat	442	0	442	0	0	0	0	0	0	0	0
Dairy Cows	Fat	305	0	305	0	0	0	0	0	0	0	0
Fancy Veal	Fat	263	0	263	0	0	0	0	0	0	0	0
Non-formula-fed Veal	Fat	101	0	101	0	0	0	0	0	0	0	0
Heavy Calves	Fat	244	0	244	0	0	0	0	0	0	0	0
Mature Sheep	Fat	155	0	155	0	0	0	0	0	0	0	0
Lambs	Fat	245	0	245	0	0	0	0	0	0	0	0
Goats	Fat	222	0	222	0	0	0	0	0	0	0	0
Market Hogs	Fat	445	0	445	0	0	0	0	0	0	0	0
Boars/Stags	Fat	252	0	252	0	0	0	0	0	0	0	0
Sows	Fat	247	0	247	0	0	0	0	0	0	0	0
Young Chickens	Fat	484	0	484	0	0	0	0	0	0	0	0
Mature Chickens	Fat	103	0	103	0	0	0	0	0	0	0	0
Young Turkeys	Fat	363	0	363	0	0	0	0	0	0	0	0
Mature Turkeys	Fat	103	0	103	0	0	0	0	0	0	0	0

Table 87
Residue Data - Polychlorinated Biphenyls (PCB) (ppm)
2004 Domestic Monitoring Plan

				---------- Amount Found in Sample ----------								
Production Class	**Tissue**	**Number Samples**	**Viol-ations**	**None**	**-0.01 0.10**	**-0.11 0.20**	**-0.21 0.30**	**-0.31 0.50**	**-0.51 1.00**	**-1.01 2.50**	**-2.51 5.00**	**Over 5.00**
Bulls	Fat	263	0	263	0	0	0	0	0	0	0	0
Steers	Fat	432	0	432	0	0	0	0	0	0	0	0
Beef Cows	Fat	315	0	315	0	0	0	0	0	0	0	0
Heifers	Fat	442	0	442	0	0	0	0	0	0	0	0
Dairy Cows	Fat	305	0	305	0	0	0	0	0	0	0	0
Fancy Veal	Fat	263	0	263	0	0	0	0	0	0	0	0
Non-formula-fed Veal	Fat	101	0	101	0	0	0	0	0	0	0	0
Heavy Calves	Fat	244	0	244	0	0	0	0	0	0	0	0
Mature Sheep	Fat	155	0	155	0	0	0	0	0	0	0	0
Lambs	Fat	245	0	245	0	0	0	0	0	0	0	0
Goats	Fat	222	0	222	0	0	0	0	0	0	0	0
Market Hogs	Fat	445	0	445	0	0	0	0	0	0	0	0
Boars/Stags	Fat	252	0	252	0	0	0	0	0	0	0	0
Sows	Fat	247	0	247	0	0	0	0	0	0	0	0
Young Chickens	Fat	484	0	484	0	0	0	0	0	0	0	0
Mature Chickens	Fat	103	0	103	0	0	0	0	0	0	0	0
Young Turkeys	Fat	363	0	363	0	0	0	0	0	0	0	0
Mature Turkeys	Fat	103	0	103	0	0	0	0	0	0	0	0

Table 88
Residue Data - Ronnel (ppm)
2004 Domestic Monitoring Plan

				Amount Found in Sample								
Production Class	**Tissue**	**Number Samples**	**Viol-ations**	**None**	**-0.01 0.10**	**-0.11 0.20**	**-0.21 0.30**	**-0.31 0.50**	**-0.51 1.00**	**-1.01 2.50**	**-2.51 5.00**	**Over 5.00**
Bulls	Fat	263	0	263	0	0	0	0	0	0	0	0
Steers	Fat	432	0	432	0	0	0	0	0	0	0	0
Beef Cows	Fat	315	0	315	0	0	0	0	0	0	0	0
Heifers	Fat	442	0	442	0	0	0	0	0	0	0	0
Dairy Cows	Fat	305	0	305	0	0	0	0	0	0	0	0
Fancy Veal	Fat	263	0	263	0	0	0	0	0	0	0	0
Non-formula-fed Veal	Fat	101	0	101	0	0	0	0	0	0	0	0
Heavy Calves	Fat	244	0	244	0	0	0	0	0	0	0	0
Mature Sheep	Fat	155	0	155	0	0	0	0	0	0	0	0
Lambs	Fat	245	0	245	0	0	0	0	0	0	0	0
Goats	Fat	222	0	222	0	0	0	0	0	0	0	0
Market Hogs	Fat	445	0	445	0	0	0	0	0	0	0	0
Boars/Stags	Fat	252	0	252	0	0	0	0	0	0	0	0
Sows	Fat	247	0	247	0	0	0	0	0	0	0	0
Young Chickens	Fat	484	0	484	0	0	0	0	0	0	0	0
Mature Chickens	Fat	103	0	103	0	0	0	0	0	0	0	0
Young Turkeys	Fat	363	0	363	0	0	0	0	0	0	0	0
Mature Turkeys	Fat	103	0	103	0	0	0	0	0	0	0	0

Table 89
Residue Data - Salbutamol (ppm)
2004 Domestic Monitoring Plan

				Amount Found in Sample								
Production Class	**Tissue**	**Number Samples**	**Viol-ations**	**None**	**-0.01 0.10**	**-0.11 0.20**	**-0.21 0.30**	**-0.31 0.50**	**-0.51 1.00**	**-1.01 2.50**	**-2.51 5.00**	**Over 5.00**
Steers	Eyeball	254	0	254	0	0	0	0	0	0	0	0
Fancy Veal	Eyeball	248	0	248	0	0	0	0	0	0	0	0
Market Hogs	Eyeball	274	0	274	0	0	0	0	0	0	0	0

Table 90
Residue Data - Spectinomycin (ppm)
2004 Domestic Monitoring Plan

				Amount Found in Sample								
Production Class	**Tissue**	**Number Samples**	**Viol-ations**	**None**	**-0.01 0.10**	**-0.11 0.20**	**-0.21 0.30**	**-0.31 0.50**	**-0.51 1.00**	**-1.01 2.50**	**-2.51 5.00**	**Over 5.00**
Beef Cows	Kidney	323	0	322	1	0	0	0	0	0	0	0
Heifers	Kidney	469	0	469	0	0	0	0	0	0	0	0
Dairy Cows	Kidney	439	0	439	0	0	0	0	0	0	0	0
Bob Veal	Kidney	377	0	377	0	0	0	0	0	0	0	0
Fancy Veal	Kidney	111	0	111	0	0	0	0	0	0	0	0
Non-formula-fed Veal	Kidney	97	0	97	0	0	0	0	0	0	0	0
Heavy Calves	Kidney	141	0	141	0	0	0	0	0	0	0	0
Lambs	Kidney	222	0	222	0	0	0	0	0	0	0	0
Market Hogs	Kidney	948	0	948	0	0	0	0	0	0	0	0
Boars/Stags	Kidney	245	0	245	0	0	0	0	0	0	0	0
Sows	Kidney	256	0	256	0	0	0	0	0	0	0	0
Young Chickens	Kidney	364	0	364	0	0	0	0	0	0	0	0
Mature Chickens	Kidney	278	0	278	0	0	0	0	0	0	0	0

Table 91
Residue Data - Stirofos (ppm)
2004 Domestic Monitoring Plan

				Amount Found in Sample								
Production Class	**Tissue**	**Number Samples**	**Viol-ations**	**None**	**-0.01 0.10**	**-0.11 0.20**	**-0.21 0.30**	**-0.31 0.50**	**-0.51 1.00**	**-1.01 2.50**	**-2.51 5.00**	**Over 5.00**
Bulls	Fat	263	0	263	0	0	0	0	0	0	0	0
Steers	Fat	432	0	432	0	0	0	0	0	0	0	0
Beef Cows	Fat	315	0	315	0	0	0	0	0	0	0	0
Heifers	Fat	442	0	442	0	0	0	0	0	0	0	0
Dairy Cows	Fat	305	0	305	0	0	0	0	0	0	0	0
Fancy Veal	Fat	263	0	263	0	0	0	0	0	0	0	0
Non-formula-fed Veal	Fat	101	0	101	0	0	0	0	0	0	0	0
Heavy Calves	Fat	244	0	244	0	0	0	0	0	0	0	0
Mature Sheep	Fat	155	0	155	0	0	0	0	0	0	0	0
Lambs	Fat	245	0	245	0	0	0	0	0	0	0	0
Goats	Fat	222	0	222	0	0	0	0	0	0	0	0
Market Hogs	Fat	445	0	445	0	0	0	0	0	0	0	0
Boars/Stags	Fat	252	0	252	0	0	0	0	0	0	0	0
Sows	Fat	247	0	247	0	0	0	0	0	0	0	0
Young Chickens	Fat	484	0	484	0	0	0	0	0	0	0	0
Mature Chickens	Fat	103	0	103	0	0	0	0	0	0	0	0
Young Turkeys	Fat	363	0	363	0	0	0	0	0	0	0	0
Mature Turkeys	Fat	103	0	103	0	0	0	0	0	0	0	0

Table 92
Residue Data - Streptomycin (ppm)
2004 Domestic Monitoring Plan

				Amount Found in Sample								
Production Class	**Tissue**	**Number Samples**	**Viol-ations**	**None**	**-0.01 0.10**	**-0.11 0.20**	**-0.21 0.30**	**-0.31 0.50**	**-0.51 1.00**	**-1.01 2.50**	**-2.51 5.00**	**Over 5.00**
Beef Cows	Kidney	323	0	323	0	0	0	0	0	0	0	0
Heifers	Kidney	469	0	469	0	0	0	0	0	0	0	0
Dairy Cows	Kidney	439	0	439	0	0	0	0	0	0	0	0
Bob Veal	Kidney	377	0	377	0	0	0	0	0	0	0	0
Fancy Veal	Kidney	111	0	111	0	0	0	0	0	0	0	0
Non-formula-fed Veal	Kidney	97	0	97	0	0	0	0	0	0	0	0
Heavy Calves	Kidney	141	0	141	0	0	0	0	0	0	0	0
Lambs	Kidney	222	0	222	0	0	0	0	0	0	0	0
Market Hogs	Kidney	948	0	948	0	0	0	0	0	0	0	0
Boars/Stags	Kidney	245	0	245	0	0	0	0	0	0	0	0
Sows	Kidney	256	0	256	0	0	0	0	0	0	0	0
Young Chickens	Kidney	364	0	364	0	0	0	0	0	0	0	0
Mature Chickens	Kidney	278	0	278	0	0	0	0	0	0	0	0

Table 93
Residue Data - Strobane (ppm)
2004 Domestic Monitoring Plan

				Amount Found in Sample								
Production Class	**Tissue**	**Number Samples**	**Viol-ations**	**None**	**-0.01 0.10**	**-0.11 0.20**	**-0.21 0.30**	**-0.31 0.50**	**-0.51 1.00**	**-1.01 2.50**	**-2.51 5.00**	**Over 5.00**
Bulls	Fat	263	0	263	0	0	0	0	0	0	0	0
Steers	Fat	432	0	432	0	0	0	0	0	0	0	0
Beef Cows	Fat	315	0	315	0	0	0	0	0	0	0	0
Heifers	Fat	442	0	442	0	0	0	0	0	0	0	0
Dairy Cows	Fat	305	0	305	0	0	0	0	0	0	0	0
Fancy Veal	Fat	263	0	263	0	0	0	0	0	0	0	0
Non-formula-fed Veal	Fat	101	0	101	0	0	0	0	0	0	0	0
Heavy Calves	Fat	244	0	244	0	0	0	0	0	0	0	0
Mature Sheep	Fat	155	0	155	0	0	0	0	0	0	0	0
Lambs	Fat	245	0	245	0	0	0	0	0	0	0	0
Goats	Fat	222	0	222	0	0	0	0	0	0	0	0
Market Hogs	Fat	445	0	445	0	0	0	0	0	0	0	0
Boars/Stags	Fat	252	0	252	0	0	0	0	0	0	0	0
Sows	Fat	247	0	247	0	0	0	0	0	0	0	0
Young Chickens	Fat	484	0	484	0	0	0	0	0	0	0	0
Mature Chickens	Fat	103	0	103	0	0	0	0	0	0	0	0
Young Turkeys	Fat	363	0	363	0	0	0	0	0	0	0	0
Mature Turkeys	Fat	103	0	103	0	0	0	0	0	0	0	0

Table 94
Residue Data - Sulfabromomethazine (ppm)
2004 Domestic Monitoring Plan

				Amount Found in Sample								
Production Class	**Tissue**	**Number Samples**	**Viol-ations**	**None**	**-0.01 0.10**	**-0.11 0.20**	**-0.21 0.30**	**-0.31 0.50**	**-0.51 1.00**	**-1.01 2.50**	**-2.51 5.00**	**Over 5.00**
Bulls	Liver	317	0	317	0	0	0	0	0	0	0	0
Steers	Liver	319	0	319	0	0	0	0	0	0	0	0
Beef Cows	Liver	295	0	295	0	0	0	0	0	0	0	0
Dairy Cows	Liver	296	0	296	0	0	0	0	0	0	0	0
Bob Veal	Liver	364	0	364	0	0	0	0	0	0	0	0
Fancy Veal	Liver	152	0	152	0	0	0	0	0	0	0	0
Non-formula-fed Veal	Liver	143	0	143	0	0	0	0	0	0	0	0
Heavy Calves	Liver	268	0	268	0	0	0	0	0	0	0	0
Lambs	Liver	230	0	230	0	0	0	0	0	0	0	0
Market Hogs	Liver	910	0	910	0	0	0	0	0	0	0	0
Boars/Stags	Liver	319	0	319	0	0	0	0	0	0	0	0
Mature Turkeys	Liver	69	0	69	0	0	0	0	0	0	0	0

Table 95
Residue Data - Sulfachloropyrazine
2004 Domestic Monitoring Plan

				Amount Found in Sample								
Production Class	**Tissue**	**Number Samples**	**Viol-ations**	**None**	**-0.01 0.10**	**-0.11 0.20**	**-0.21 0.30**	**-0.31 0.50**	**-0.51 1.00**	**-1.01 2.50**	**-2.51 5.00**	**Over 5.00**
Bulls	Liver	317	0	317	0	0	0	0	0	0	0	0
Steers	Liver	319	0	319	0	0	0	0	0	0	0	0
Beef Cows	Liver	295	0	295	0	0	0	0	0	0	0	0
Dairy Cows	Liver	296	0	296	0	0	0	0	0	0	0	0
Bob Veal	Liver	364	0	364	0	0	0	0	0	0	0	0
Fancy Veal	Liver	152	0	152	0	0	0	0	0	0	0	0
Non-formula-fed Veal	Liver	143	0	143	0	0	0	0	0	0	0	0
Heavy Calves	Liver	268	0	268	0	0	0	0	0	0	0	0
Lambs	Liver	230	0	230	0	0	0	0	0	0	0	0
Market Hogs	Liver	910	0	910	0	0	0	0	0	0	0	0
Boars/Stags	Liver	319	0	319	0	0	0	0	0	0	0	0
Mature Turkeys	Liver	69	0	69	0	0	0	0	0	0	0	0

Table 96
Residue Data - Sulfachloropyridazine (ppm)
2004 Domestic Monitoring Plan

				---------- Amount Found in Sample ----------								
Production Class	**Tissue**	**Number Samples**	**Viol-ations**	**None**	**-0.01 0.10**	**-0.11 0.20**	**-0.21 0.30**	**-0.31 0.50**	**-0.51 1.00**	**-1.01 2.50**	**-2.51 5.00**	**Over 5.00**
Bulls	Liver	317	0	317	0	0	0	0	0	0	0	0
Steers	Liver	319	0	319	0	0	0	0	0	0	0	0
Beef Cows	Liver	295	0	295	0	0	0	0	0	0	0	0
Dairy Cows	Liver	296	0	296	0	0	0	0	0	0	0	0
Bob Veal	Liver	364	0	364	0	0	0	0	0	0	0	0
Fancy Veal	Liver	152	0	152	0	0	0	0	0	0	0	0
Non-formula-fed Veal	Liver	143	0	143	0	0	0	0	0	0	0	0
Heavy Calves	Liver	268	0	268	0	0	0	0	0	0	0	0
Lambs	Liver	230	0	230	0	0	0	0	0	0	0	0
Market Hogs	Liver	910	0	910	0	0	0	0	0	0	0	0
Boars/Stags	Liver	319	0	319	0	0	0	0	0	0	0	0
Mature Turkeys	Liver	69	0	69	0	0	0	0	0	0	0	0

Table 97
Residue Data - Sulfadiazine (ppm)
2004 Domestic Monitoring Plan

				---------- Amount Found in Sample ----------								
Production Class	**Tissue**	**Number Samples**	**Viol-ations**	**None**	**-0.01 0.10**	**-0.11 0.20**	**-0.21 0.30**	**-0.31 0.50**	**-0.51 1.00**	**-1.01 2.50**	**-2.51 5.00**	**Over 5.00**
Bulls	Liver	317	0	317	0	0	0	0	0	0	0	0
Steers	Liver	319	0	319	0	0	0	0	0	0	0	0
Beef Cows	Liver	295	0	295	0	0	0	0	0	0	0	0
Dairy Cows	Liver	296	0	296	0	0	0	0	0	0	0	0
Bob Veal	Liver	364	0	364	0	0	0	0	0	0	0	0
Fancy Veal	Liver	152	0	152	0	0	0	0	0	0	0	0
Non-formula-fed Veal	Liver	143	0	143	0	0	0	0	0	0	0	0
Heavy Calves	Liver	268	0	268	0	0	0	0	0	0	0	0
Lambs	Liver	230	0	230	0	0	0	0	0	0	0	0
Market Hogs	Liver	910	0	910	0	0	0	0	0	0	0	0
Boars/Stags	Liver	319	0	319	0	0	0	0	0	0	0	0
Mature Turkeys	Liver	69	0	69	0	0	0	0	0	0	0	0

Table 98
Residue Data - Sulfadimethoxine (ppm)
2004 Domestic Monitoring Plan

				Amount Found in Sample								
Production Class	**Tissue**	**Number Samples**	**Viol-ations**	**None**	**-0.01 0.10**	**-0.11 0.20**	**-0.21 0.30**	**-0.31 0.50**	**-0.51 1.00**	**-1.01 2.50**	**-2.51 5.00**	**Over 5.00**
Bulls	Liver	317	0	317	0	0	0	0	0	0	0	0
Steers	Liver	319	0	319	0	0	0	0	0	0	0	0
Beef Cows	Liver	295	0	295	0	0	0	0	0	0	0	0
Dairy Cows	Liver	296	0	296	0	0	0	0	0	0	0	0
Bob Veal	Liver	364	0	363	1	0	0	0	0	0	0	0
Fancy Veal	Liver	152	0	152	0	0	0	0	0	0	0	0
Non-formula-fed Veal	Liver	143	0	143	0	0	0	0	0	0	0	0
Heavy Calves	Liver	268	0	268	0	0	0	0	0	0	0	0
Lambs	Liver	230	0	230	0	0	0	0	0	0	0	0
Market Hogs	Liver	910	0	910	0	0	0	0	0	0	0	0
Boars/Stags	Liver	319	0	319	0	0	0	0	0	0	0	0
Mature Turkeys	Liver	69	1	68	0	0	0	0	0	1	0	0

Table 99
Residue Data - Sulfadoxine (ppm)
2004 Domestic Monitoring Plan

				Amount Found in Sample								
Production Class	**Tissue**	**Number Samples**	**Viol-ations**	**None**	**-0.01 0.10**	**-0.11 0.20**	**-0.21 0.30**	**-0.31 0.50**	**-0.51 1.00**	**-1.01 2.50**	**-2.51 5.00**	**Over 5.00**
Bulls	Liver	317	0	317	0	0	0	0	0	0	0	0
Steers	Liver	319	0	319	0	0	0	0	0	0	0	0
Beef Cows	Liver	295	0	295	0	0	0	0	0	0	0	0
Dairy Cows	Liver	296	0	296	0	0	0	0	0	0	0	0
Bob Veal	Liver	364	0	364	0	0	0	0	0	0	0	0
Fancy Veal	Liver	152	0	152	0	0	0	0	0	0	0	0
Non-formula-fed Veal	Liver	143	0	143	0	0	0	0	0	0	0	0
Heavy Calves	Liver	268	0	268	0	0	0	0	0	0	0	0
Lambs	Liver	230	0	230	0	0	0	0	0	0	0	0
Market Hogs	Liver	910	0	910	0	0	0	0	0	0	0	0
Boars/Stags	Liver	319	0	319	0	0	0	0	0	0	0	0
Mature Turkeys	Liver	69	0	69	0	0	0	0	0	0	0	0

Table 100
Residue Data - Sulfaethoxypridazine (ppm)
2004 Domestic Monitoring Plan

				Amount Found in Sample								
Production Class	**Tissue**	**Number Samples**	**Viol-ations**	**None**	**-0.01 0.10**	**-0.11 0.20**	**-0.21 0.30**	**-0.31 0.50**	**-0.51 1.00**	**-1.01 2.50**	**-2.51 5.00**	**Over 5.00**
Bulls	Liver	317	0	317	0	0	0	0	0	0	0	0
Steers	Liver	319	0	319	0	0	0	0	0	0	0	0
Beef Cows	Liver	295	0	295	0	0	0	0	0	0	0	0
Dairy Cows	Liver	296	0	296	0	0	0	0	0	0	0	0
Bob Veal	Liver	364	0	364	0	0	0	0	0	0	0	0
Fancy Veal	Liver	152	0	152	0	0	0	0	0	0	0	0
Non-formula-fed Veal	Liver	143	0	143	0	0	0	0	0	0	0	0
Heavy Calves	Liver	268	0	268	0	0	0	0	0	0	0	0
Lambs	Liver	230	0	230	0	0	0	0	0	0	0	0
Market Hogs	Liver	910	0	910	0	0	0	0	0	0	0	0
Boars/Stags	Liver	319	0	319	0	0	0	0	0	0	0	0
Mature Turkeys	Liver	69	0	69	0	0	0	0	0	0	0	0

Table 101
Residue Data - Sulfamerazine (ppm)
2004 Domestic Monitoring Plan

				Amount Found in Sample								
Production Class	**Tissue**	**Number Samples**	**Viol-ations**	**None**	**-0.01 0.10**	**-0.11 0.20**	**-0.21 0.30**	**-0.31 0.50**	**-0.51 1.00**	**-1.01 2.50**	**-2.51 5.00**	**Over 5.00**
Bulls	Liver	317	0	317	0	0	0	0	0	0	0	0
Steers	Liver	319	0	319	0	0	0	0	0	0	0	0
Beef Cows	Liver	295	0	295	0	0	0	0	0	0	0	0
Dairy Cows	Liver	296	0	296	0	0	0	0	0	0	0	0
Bob Veal	Liver	364	0	364	0	0	0	0	0	0	0	0
Fancy Veal	Liver	152	0	152	0	0	0	0	0	0	0	0
Non-formula-fed Veal	Liver	143	0	143	0	0	0	0	0	0	0	0
Heavy Calves	Liver	268	0	268	0	0	0	0	0	0	0	0
Lambs	Liver	230	0	230	0	0	0	0	0	0	0	0
Market Hogs	Liver	910	0	910	0	0	0	0	0	0	0	0
Boars/Stags	Liver	319	0	319	0	0	0	0	0	0	0	0
Mature Turkeys	Liver	69	0	69	0	0	0	0	0	0	0	0

Table 102
Residue Data - Sulfamethaxazole (ppm)
2004 Domestic Monitoring Plan

				Amount Found in Sample								
Production Class	**Tissue**	**Number Samples**	**Viol-ations**	**None**	**-0.01 0.10**	**-0.11 0.20**	**-0.21 0.30**	**-0.31 0.50**	**-0.51 1.00**	**-1.01 2.50**	**-2.51 5.00**	**Over 5.00**
Bulls	Liver	317	0	317	0	0	0	0	0	0	0	0
Steers	Liver	319	0	319	0	0	0	0	0	0	0	0
Beef Cows	Liver	295	0	295	0	0	0	0	0	0	0	0
Dairy Cows	Liver	296	0	296	0	0	0	0	0	0	0	0
Bob Veal	Liver	364	0	364	0	0	0	0	0	0	0	0
Fancy Veal	Liver	152	0	152	0	0	0	0	0	0	0	0
Non-formula-fed Veal	Liver	143	0	143	0	0	0	0	0	0	0	0
Heavy Calves	Liver	268	0	268	0	0	0	0	0	0	0	0
Lambs	Liver	230	0	230	0	0	0	0	0	0	0	0
Market Hogs	Liver	910	0	910	0	0	0	0	0	0	0	0
Boars/Stags	Liver	319	0	319	0	0	0	0	0	0	0	0
Mature Turkeys	Liver	69	0	69	0	0	0	0	0	0	0	0

Table 103
Residue Data - Sulfamethazine (ppm)
2004 Domestic Monitoring Plan

				Amount Found in Sample								
Production Class	**Tissue**	**Number Samples**	**Viol-ations**	**None**	**-0.01 0.10**	**-0.11 0.20**	**-0.21 0.30**	**-0.31 0.50**	**-0.51 1.00**	**-1.01 2.50**	**-2.51 5.00**	**Over 5.00**
Bulls	Liver	317	0	317	0	0	0	0	0	0	0	0
Steers	Liver	319	0	319	0	0	0	0	0	0	0	0
Beef Cows	Liver	295	0	294	1	0	0	0	0	0	0	0
Dairy Cows	Liver	296	0	296	0	0	0	0	0	0	0	0
Bob Veal	Liver	364	1	363	0	0	0	0	0	0	0	1
Fancy Veal	Liver	152	0	152	0	0	0	0	0	0	0	0
Non-formula-fed Veal	Liver	143	0	143	0	0	0	0	0	0	0	0
Heavy Calves	Liver	268	0	268	0	0	0	0	0	0	0	0
Lambs	Liver	230	0	230	0	0	0	0	0	0	0	0
Market Hogs	Liver	910	2	908	0	2	0	0	0	0	0	0
Boars/Stags	Liver	319	0	318	1	0	0	0	0	0	0	0
Mature Turkeys	Liver	69	0	69	0	0	0	0	0	0	0	0

Table 104
Residue Data - Sulfamethoxypyridazine (ppm)
2004 Domestic Monitoring Plan

				---------- Amount Found in Sample ----------								
Production Class	**Tissue**	**Number Samples**	**Viol-ations**	**None**	**-0.01 0.10**	**-0.11 0.20**	**-0.21 0.30**	**-0.31 0.50**	**-0.51 1.00**	**-1.01 2.50**	**-2.51 5.00**	**Over 5.00**
Bulls	Liver	317	0	317	0	0	0	0	0	0	0	0
Steers	Liver	319	0	319	0	0	0	0	0	0	0	0
Beef Cows	Liver	295	0	295	0	0	0	0	0	0	0	0
Dairy Cows	Liver	296	0	296	0	0	0	0	0	0	0	0
Bob Veal	Liver	364	0	364	0	0	0	0	0	0	0	0
Fancy Veal	Liver	152	0	152	0	0	0	0	0	0	0	0
Non-formula-fed Veal	Liver	143	0	143	0	0	0	0	0	0	0	0
Heavy Calves	Liver	268	0	268	0	0	0	0	0	0	0	0
Lambs	Liver	230	0	230	0	0	0	0	0	0	0	0
Market Hogs	Liver	910	0	910	0	0	0	0	0	0	0	0
Boars/Stags	Liver	319	0	319	0	0	0	0	0	0	0	0
Mature Turkeys	Liver	69	0	69	0	0	0	0	0	0	0	0

Table 105
Residue Data - Sulfanilamide (ppm)
2004 Domestic Monitoring Plan

				---------- Amount Found in Sample ----------								
Production Class	**Tissue**	**Number Samples**	**Viol-ations**	**None**	**-0.01 0.10**	**-0.11 0.20**	**-0.21 0.30**	**-0.31 0.50**	**-0.51 1.00**	**-1.01 2.50**	**-2.51 5.00**	**Over 5.00**
Bulls	Liver	317	0	317	0	0	0	0	0	0	0	0
Steers	Liver	319	0	319	0	0	0	0	0	0	0	0
Beef Cows	Liver	295	0	295	0	0	0	0	0	0	0	0
Dairy Cows	Liver	296	0	296	0	0	0	0	0	0	0	0
Bob Veal	Liver	364	0	364	0	0	0	0	0	0	0	0
Fancy Veal	Liver	152	0	152	0	0	0	0	0	0	0	0
Non-formula-fed Veal	Liver	143	0	143	0	0	0	0	0	0	0	0
Heavy Calves	Liver	268	0	268	0	0	0	0	0	0	0	0
Lambs	Liver	230	0	230	0	0	0	0	0	0	0	0
Market Hogs	Liver	910	0	910	0	0	0	0	0	0	0	0
Boars/Stags	Liver	319	0	319	0	0	0	0	0	0	0	0
Mature Turkeys	Liver	69	0	69	0	0	0	0	0	0	0	0

Table 106
Residue Data - Sulfapyridine (ppm)
2004 Domestic Monitoring Plan

				---------- Amount Found in Sample ----------								
Production Class	**Tissue**	**Number Samples**	**Viol-ations**	**None**	**-0.01 0.10**	**-0.11 0.20**	**-0.21 0.30**	**-0.31 0.50**	**-0.51 1.00**	**-1.01 2.50**	**-2.51 5.00**	**Over 5.00**
Bulls	Liver	317	0	317	0	0	0	0	0	0	0	0
Steers	Liver	319	0	319	0	0	0	0	0	0	0	0
Beef Cows	Liver	295	0	295	0	0	0	0	0	0	0	0
Dairy Cows	Liver	296	0	296	0	0	0	0	0	0	0	0
Bob Veal	Liver	364	0	364	0	0	0	0	0	0	0	0
Fancy Veal	Liver	152	0	152	0	0	0	0	0	0	0	0
Non-formula-fed Veal	Liver	143	0	143	0	0	0	0	0	0	0	0
Heavy Calves	Liver	268	0	268	0	0	0	0	0	0	0	0
Lambs	Liver	230	0	230	0	0	0	0	0	0	0	0
Market Hogs	Liver	910	0	910	0	0	0	0	0	0	0	0
Boars/Stags	Liver	319	0	319	0	0	0	0	0	0	0	0
Mature Turkeys	Liver	69	0	69	0	0	0	0	0	0	0	0

Table 107
Residue Data - Sulfaquinoxaline (ppm)
2004 Domestic Monitoring Plan

				---------- Amount Found in Sample ----------								
Production Class	**Tissue**	**Number Samples**	**Viol-ations**	**None**	**-0.01 0.10**	**-0.11 0.20**	**-0.21 0.30**	**-0.31 0.50**	**-0.51 1.00**	**-1.01 2.50**	**-2.51 5.00**	**Over 5.00**
Bulls	Liver	317	0	317	0	0	0	0	0	0	0	0
Steers	Liver	319	0	319	0	0	0	0	0	0	0	0
Beef Cows	Liver	295	0	295	0	0	0	0	0	0	0	0
Dairy Cows	Liver	296	0	296	0	0	0	0	0	0	0	0
Bob Veal	Liver	364	0	364	0	0	0	0	0	0	0	0
Fancy Veal	Liver	152	0	152	0	0	0	0	0	0	0	0
Non-formula-fed Veal	Liver	143	0	143	0	0	0	0	0	0	0	0
Heavy Calves	Liver	268	0	268	0	0	0	0	0	0	0	0
Lambs	Liver	230	0	230	0	0	0	0	0	0	0	0
Market Hogs	Liver	910	0	910	0	0	0	0	0	0	0	0
Boars/Stags	Liver	319	0	319	0	0	0	0	0	0	0	0
Mature Turkeys	Liver	69	0	69	0	0	0	0	0	0	0	0

Table 108
Residue Data - Sulfathiazole (ppm)
2004 Domestic Monitoring Plan

				Amount Found in Sample								
Production Class	**Tissue**	**Number Samples**	**Viol-ations**	**None**	**-0.01 0.10**	**-0.11 0.20**	**-0.21 0.30**	**-0.31 0.50**	**-0.51 1.00**	**-1.01 2.50**	**-2.51 5.00**	**Over 5.00**
Bulls	Liver	317	0	317	0	0	0	0	0	0	0	0
Steers	Liver	319	0	319	0	0	0	0	0	0	0	0
Beef Cows	Liver	295	0	295	0	0	0	0	0	0	0	0
Dairy Cows	Liver	296	0	296	0	0	0	0	0	0	0	0
Bob Veal	Liver	364	0	364	0	0	0	0	0	0	0	0
Fancy Veal	Liver	152	0	152	0	0	0	0	0	0	0	0
Non-formula-fed Veal	Liver	143	0	143	0	0	0	0	0	0	0	0
Heavy Calves	Liver	268	0	268	0	0	0	0	0	0	0	0
Lambs	Liver	230	0	230	0	0	0	0	0	0	0	0
Market Hogs	Liver	910	1	909	0	1	0	0	0	0	0	0
Boars/Stags	Liver	319	0	319	0	0	0	0	0	0	0	0
Mature Turkeys	Liver	69	0	69	0	0	0	0	0	0	0	0

Table 109
Residue Data - Tetracycline (ppm)
2004 Domestic Monitoring Plan

				Amount Found in Sample								
Production Class	**Tissue**	**Number Samples**	**Viol-ations**	**None**	**-0.01 0.10**	**-0.11 0.20**	**-0.21 0.30**	**-0.31 0.50**	**-0.51 1.00**	**-1.01 2.50**	**-2.51 5.00**	**Over 5.00**
Beef Cows	Kidney	323	0	323	0	0	0	0	0	0	0	0
Heifers	Kidney	469	0	469	0	0	0	0	0	0	0	0
Dairy Cows	Kidney	439	0	439	0	0	0	0	0	0	0	0
Bob Veal	Kidney	377	0	377	0	0	0	0	0	0	0	0
Fancy Veal	Kidney	111	0	110	0	0	0	0	0	1	0	0
Non-formula-fed Veal	Kidney	97	0	97	0	0	0	0	0	0	0	0
Heavy Calves	Kidney	141	0	141	0	0	0	0	0	0	0	0
Lambs	Kidney	222	0	222	0	0	0	0	0	0	0	0
Market Hogs	Kidney	948	0	948	0	0	0	0	0	0	0	0
Boars/Stags	Kidney	245	0	245	0	0	0	0	0	0	0	0
Sows	Kidney	256	0	256	0	0	0	0	0	0	0	0
Young Chickens	Kidney	364	0	364	0	0	0	0	0	0	0	0
Mature Chickens	Kidney	278	0	278	0	0	0	0	0	0	0	0

Table 110
Residue Data - Tetracyclines Recovered (ppm)
2004 Domestic Monitoring Plan

				Amount Found in Sample								
Production Class	**Tissue**	**Number Samples**	**Viol-ations**	**None**	**-0.01 0.10**	**-0.11 0.20**	**-0.21 0.30**	**-0.31 0.50**	**-0.51 1.00**	**-1.01 2.50**	**-2.51 5.00**	**Over 5.00**
Beef Cows	Kidney	323	0	323	0	0	0	0	0	0	0	0
Heifers	Kidney	469	0	469	0	0	0	0	0	0	0	0
Dairy Cows	Kidney	439	0	436	0	0	0	0	3	0	0	0
Bob Veal	Kidney	377	0	374	0	0	0	0	3	0	0	0
Fancy Veal	Kidney	111	0	101	0	0	0	0	10	0	0	0
Non-formula-fed Veal	Kidney	97	0	95	0	0	0	0	2	0	0	0
Heavy Calves	Kidney	141	0	140	0	0	0	0	1	0	0	0
Lambs	Kidney	222	0	220	0	0	0	0	2	0	0	0
Market Hogs	Kidney	948	0	920	0	0	0	0	28	0	0	0
Boars/Stags	Kidney	245	0	242	0	0	0	0	3	0	0	0
Sows	Kidney	256	0	255	0	0	0	0	1	0	0	0
Young Chickens	Kidney	364	0	363	0	0	0	0	1	0	0	0
Mature Chickens	Kidney	278	0	278	0	0	0	0	0	0	0	0

Table 111
Residue Data - Tilmicosin (ppb)
2004 Domestic Monitoring Plan

				Amount Found in Sample								
Production Class	**Tissue**	**Number Samples**	**Viol-ations**	**None**	**-0.01 0.10**	**-0.11 0.20**	**-0.21 0.30**	**-0.31 0.50**	**-0.51 1.00**	**-1.01 2.50**	**-2.51 5.00**	**Over 5.00**
Beef Cows	Kidney	323	0	323	0	0	0	0	0	0	0	0
Heifers	Kidney	469	0	469	0	0	0	0	0	0	0	0
Dairy Cows	Kidney	439	0	439	0	0	0	0	0	0	0	0
Bob Veal	Kidney	377	1	376	0	0	0	0	0	0	0	1
Fancy Veal	Kidney	111	0	111	0	0	0	0	0	0	0	0
Non-formula-fed Veal	Kidney	97	1	96	0	0	0	0	0	1	0	0
Heavy Calves	Kidney	141	1	140	0	0	0	0	1	0	0	0
Lambs	Kidney	222	0	222	0	0	0	0	0	0	0	0
Market Hogs	Kidney	948	0	948	0	0	0	0	0	0	0	0
Boars/Stags	Kidney	245	0	245	0	0	0	0	0	0	0	0
Sows	Kidney	256	0	256	0	0	0	0	0	0	0	0
Young Chickens	Kidney	364	0	364	0	0	0	0	0	0	0	0
Mature Chickens	Kidney	278	0	278	0	0	0	0	0	0	0	0

Table 112
Residue Data - Tobramycin (ppm)
2004 Domestic Monitoring Plan

				Amount Found in Sample								
Production Class	**Tissue**	**Number Samples**	**Viol-ations**	**None**	**-0.01 0.10**	**-0.11 0.20**	**-0.21 0.30**	**-0.31 0.50**	**-0.51 1.00**	**-1.01 2.50**	**-2.51 5.00**	**Over 5.00**
Beef Cows	Kidney	323	0	323	0	0	0	0	0	0	0	0
Heifers	Kidney	469	0	469	0	0	0	0	0	0	0	0
Dairy Cows	Kidney	439	0	439	0	0	0	0	0	0	0	0
Bob Veal	Kidney	377	0	377	0	0	0	0	0	0	0	0
Fancy Veal	Kidney	111	0	111	0	0	0	0	0	0	0	0
Non-formula-fed Veal	Kidney	97	0	97	0	0	0	0	0	0	0	0
Heavy Calves	Kidney	141	0	141	0	0	0	0	0	0	0	0
Lambs	Kidney	222	0	222	0	0	0	0	0	0	0	0
Market Hogs	Kidney	948	0	948	0	0	0	0	0	0	0	0
Boars/Stags	Kidney	245	0	245	0	0	0	0	0	0	0	0
Sows	Kidney	256	0	256	0	0	0	0	0	0	0	0
Young Chickens	Kidney	364	0	364	0	0	0	0	0	0	0	0
Mature Chickens	Kidney	278	0	278	0	0	0	0	0	0	0	0

Table 113
Residue Data - Toxaphene (ppm)
2004 Domestic Monitoring Plan

				Amount Found in Sample								
Production Class	**Tissue**	**Number Samples**	**Viol-ations**	**None**	**-0.01 0.10**	**-0.11 0.20**	**-0.21 0.30**	**-0.31 0.50**	**-0.51 1.00**	**-1.01 2.50**	**-2.51 5.00**	**Over 5.00**
Bulls	Fat	263	0	263	0	0	0	0	0	0	0	0
Steers	Fat	432	0	432	0	0	0	0	0	0	0	0
Beef Cows	Fat	315	0	315	0	0	0	0	0	0	0	0
Heifers	Fat	442	0	442	0	0	0	0	0	0	0	0
Dairy Cows	Fat	305	0	305	0	0	0	0	0	0	0	0
Fancy Veal	Fat	263	0	263	0	0	0	0	0	0	0	0
Non-formula-fed Veal	Fat	101	0	101	0	0	0	0	0	0	0	0
Heavy Calves	Fat	244	0	244	0	0	0	0	0	0	0	0
Mature Sheep	Fat	155	0	155	0	0	0	0	0	0	0	0
Lambs	Fat	245	0	245	0	0	0	0	0	0	0	0
Goats	Fat	222	0	222	0	0	0	0	0	0	0	0
Market Hogs	Fat	445	0	445	0	0	0	0	0	0	0	0
Boars/Stags	Fat	252	0	252	0	0	0	0	0	0	0	0
Sows	Fat	247	0	247	0	0	0	0	0	0	0	0
Young Chickens	Fat	484	0	484	0	0	0	0	0	0	0	0
Mature Chickens	Fat	103	0	103	0	0	0	0	0	0	0	0
Young Turkeys	Fat	363	0	363	0	0	0	0	0	0	0	0
Mature Turkeys	Fat	103	0	103	0	0	0	0	0	0	0	0

Table 114
Residue Data - Tylosin (ppm)
2004 Domestic Monitoring Plan

				Amount Found in Sample								
Production Class	**Tissue**	**Number Samples**	**Viol-ations**	**None**	**-0.01 0.10**	**-0.11 0.20**	**-0.21 0.30**	**-0.31 0.50**	**-0.51 1.00**	**-1.01 2.50**	**-2.51 5.00**	**Over 5.00**
Beef Cows	Kidney	323	0	323	0	0	0	0	0	0	0	0
Heifers	Kidney	469	0	469	0	0	0	0	0	0	0	0
Dairy Cows	Kidney	439	0	439	0	0	0	0	0	0	0	0
Bob Veal	Kidney	377	0	377	0	0	0	0	0	0	0	0
Fancy Veal	Kidney	111	0	111	0	0	0	0	0	0	0	0
Non-formula-fed Veal	Kidney	97	0	97	0	0	0	0	0	0	0	0
Heavy Calves	Kidney	141	0	141	0	0	0	0	0	0	0	0
Lambs	Kidney	222	0	222	0	0	0	0	0	0	0	0
Market Hogs	Kidney	948	0	948	0	0	0	0	0	0	0	0
Boars/Stags	Kidney	245	0	245	0	0	0	0	0	0	0	0
Sows	Kidney	256	0	256	0	0	0	0	0	0	0	0
Young Chickens	Kidney	364	0	364	0	0	0	0	0	0	0	0
Mature Chickens	Kidney	278	0	278	0	0	0	0	0	0	0	0

ENFORCEMENT (INSPECTOR GENERATED) RESULTS

Enforcement sampling results are presented in two tables for each specific analysis unless there is only one compound tested. The first table (a) states the total number of animals analyzed, the number of violations, and the percent violations for each production class. Since analyses for multiple compounds can be performed on the same sample, one sample (one animal) could have more than one violation. The second table (b) identifies the results for specific compounds that were detected within the compound class.

SAMPLES SCREENED IN-PLANT AND CONFIRMED IN AN FSIS LABORATORY

SWAB-TEST ON PREMISES (STOP)

FSIS used STOP to screen 6,352 animals for antibiotic, sulfonamide, and non-steriodal anti-inflammatory residues. FSIS laboratories confirmed 13 violations in 13 animals. There were 1 gentamicin, 2 oxytetracycline, 9 penicillin, and 1 sulfamethazine residue violations. Table 115a, *Swab Test on Premises*, presents the screening test results by production class. Table 115b, *Specific STOP Violative Residue*, presents specific results for antibiotic, sulfonamide, and non-steroidal anti-inflammatory drug residues.

Table 115a
Swab-Test on Premises
2004 Domestic Enforcement Results

Production Class	Number of analyses	Number of animals with violations	Percent violations
Horses	111	0	0
Bulls	80	0	0
Steers	518	1	0.19
Beef cows	477	1	0.21
Heifers	170	1	0.59
Dairy cows	198	3	1.52
Formula fed veal	1	0	0
Heavy calves	54	0	0
Mature sheep	2	0	0
Lamb	229	0	0
Goat	22	0	0
Boar/stags	41	0	0
Market hogs	3427	3	0.09
Sows	1022	4	0.39
Total	**6352**	**13**	

Table 115b

Specific STOP Violative Residues
2004 Domestic Enforcement Results

Production Class	Antibiotic, Sulfonamide, and Non-steroidal anti-inflammatory Compounds				Total
	Gentamicin	**Oxytetra-cycline**	**Penicillin**	**Sulfametha-zine**	
Steers	1	0	0	0	**1**
Beef cows	0	1	0	0	**1**
Heifers	0	0	1	0	**1**
Dairy cows	0	1	2	0	**3**
Market Hogs	0	0	2	1	**3**
Sows	0	0	4	0	**4**
Total	**1**	**2**	**9**	**1**	**13**

FAST ANTIMICROBIAL SCREEN TEST (FAST)

FSIS used FAST to screen 147,054 animals for antibiotic, sulfonamide and non-steroidal anti-inflammatory residues. FSIS laboratories confirmed 1,606 violations in 1,449 animals. There were 1 amikacin, 1 chlortetracycline, 144 gentamicin, 1 kanamycin, 685 neomycin, 50 oxytetracycline, 437 penicillin, 13 tetracycline, 31 tilmicosin, 3 tylosin, 142 sulfadimethoxine, 52 sulfamethazine, 7 sulfamethoxazole, 1 sulfathiazole, and 38 flunixin residue violations. Table 116a, *Fast Antimicrobial Screen Test*, presents the screening test results by production class. Table 116b, *Specific FAST Violative Residue*, presents specific results for antibiotic, sulfonamide, and non-steroidal anti-inflammatory drug residues.

Table 116a
Fast Antimicrobial Screen Test
2004 Domestic Enforcement Results

Production Class	Number of analyses	Number of animals with violations	Percent violations
Horses	6	0	0
Bulls	601	11	1.83
Steers	4,720	12	0.25
Beef cows	6,166	44	0.71
Heifers	2,609	16	0.58
Dairy cows	84,852	602	0.71
Bob veal [2]	46,775	744	1.59
Formula-fed veal	612	6	0.98
Non-formula-fed veal	49	2	4.08
Heavy calves	519	12	2.31
Mature sheep	14	0	0
Lamb	33	0	0
Goat	8	0	0
Market hogs	60	0	0
Boar/stags	4	0	0
Sows	24	0	0
Roaster pigs	2	0	0
TOTAL	**147,054**	**1,449**	

[2] The total analyzed includes both surveillance testing (testing of a suspect population) and enforcement testing (testing of suspect animals).

Table 116b
Specific FAST Violative Residues
2004 Domestic Residue Plan Results

Production Class	Antibiotic, Sulfonamide, and Non-steroidal anti-inflammatory Compounds															Total
	Amikacin	Chlortetracycline	Gentamicin	*Kan*amycin	Neomycin	Oxytetracycline	Penicillin	Tetracycline	Tilmicosin	Tylosin	Sulfadimethoxine	Sulfamethazine	Sulfamethoxazole	Sulfathiazole	Flunixin	
Bulls[3]	0	0	3	0	0	1	3	0	1	0	2	2	0	0	0	**12**
Steers[3]	0	0	3	0	0	2	5	0	2	0	0	2	0	0	1	**15**
Beef Cows[3]	0	0	13	0	2	3	18	0	6	1	4	3	0	0	0	**50**
Heifers[3]	0	0	2	0	0	2	9	0	1	0	2	2	0	0	0	**18**
Diary cows[3]	1	0	80	1	24	26	353	7	15	1	105	15	0	0	37	**665**
Bob veal[3]	0	1	31	0	655	15	48	5	3	1	28	26	7	1	0	**821**
Formula fed-veal[3]	0	0	3	0	3	0	0	1	1	0	0	0	0	0	0	**8**
Non-formula-fed-veal[3]	0	0	2	0	1	0	0	0	0	0	0	0	0	0	0	**3**
Heavy Calves[3]	0	0	7	0	0	1	1	0	2	0	1	2	0	0	0	**14**
Totals	**1**	**1**	**144**	**1**	**685**	**50**	**437**	**13**	**31**	**3**	**142**	**52**	**7**	**1**	**38**	**1,606**

[3] Multiple violations were found in these animals

SAMPLES ANALYZED ONLY IN A FSIS LABORATORY

ANTIBIOTIC AND SULFONAMIDE

FSIS analyzed samples from 51 animals for antibiotics and sulfonamides. FSIS laboratories confirmed 7 violations in 7 animals. There were 2 penicillin,1 gentamicin, 1 oxytetracycline, 1 neomycin, and 2 sulfadimethoxine residue violations. Table 117a, *Antibiotics and Sulfonamides,* presents testing results by production class. Table 117b, *Specific Antibiotic and Sulfonamide Violative Residues,* presents specific results detected within the class.

Table 117a
Antibiotics and Sulfonamides
2004 Domestic Enforcement Results

Production Class	Number of analyses	Number of animals with violations	Percent violations
Bull	1	0	0
Steer	3	0	0
Beef cow	12	2	16.7
Bob veal	1	0	0
Dairy cow	17	5	29.4
Formula fed veal	9	0	0
Lambs	3	0	0
Goats	1	0	0
Market hogs	3	0	0
Chickens	1	0	0
Total	**51**	**7**	

Table 117b
Specific Antibiotic and Sulfonamide Violative Residues
2004 Domestic Enforcement Results

Production Class	Antibiotic and Sulfonamide Compounds					Total
	Gentamicin	Oxytetra-cycline	Penicillin	Neomycin	Sulfadi-methoxine	
Beef cows	1	0	0	1	0	**2**
Diary cows	0	1	2	0	2	**5**
Total	**1**	**1**	**2**	**2**	**2**	**7**

FLUNIXIN

Analysis was conducted on one beef cow sample and one violation was found.

ARSENIC

Analysis was conducted on one egg product and four chicken samples. No violations were found.

DIETHYLSTILBESTROL AND ZERANOL

FSIS laboratory analyzed 70 formula-fed veal samples for zeranol and no violations were found. FSIS analyzed 68 formula-fed veal samples for diethylstilbestrol and no violations were found.

CHLORINATED HYDROCARBONS/ CHLORINATED ORGANOPHOSPHATES

Analysis was conducted on one heifer sample and no violations were found.

PHENYLBUTAZONE

Analysis was conducted on one heifer sample and no violations were found.

RACTOPAMINE

Analysis was conducted on two lamb samples and no violations were found.

SULFONAMIDES

Analysis was conducted on three chicken, one young chicken, and one egg product sample. No violations were found.

DOMESTIC SURVEILLANCE RESULTS

FSIS conducted surveillance sampling for sulfonamides in market hogs; sulfonamides and antibiotics in bob veal; and antibiotics, sulfonamides, *beta*-agonists, ractopamine, and flunixin in show animals.

SULFA-ON-SITE (SOS)

The SOS test was used to screen 141 market hogs for sulfonamides. The FSIS laboratory confirmed one violation for sulfamethazine.

FAST ANTIMICROBILAL SCREEN TEST (FAST) ON BOB VEAL

The FAST was used to screen 46,775 bob veal for antibiotics and sulfonamides. The total bob veal tested included both surveillance sampling (testing of a suspect population) and enforcement sampling (testing of suspect animals). Of the animals tested, 821 FSIS laboratory confirmed violations were found in 744 animals. The residue violations consisted of 1 chlortetracycline, 48 penicillin, 5 tetracycline, 1 tylosin, 655 neomycin, 15 oxytetracycline, 31 gentamicin, 3 tilmicosin, 28 sulfadimethoxine, 26 sulfamethazine, 7 sulfamethoxazole, and 1 sulfathiazole.

SHOW ANIMALS

FSIS conducted analyses for *beta*-agonists on 13 steers, 2 heifers, 21 market hogs, and 8 lambs, and no violations were found. No violations were found in two lambs and six market hogs tested for ractopamine. No violations were found in two lambs and five market hogs tested for antibiotics and sulfonamides. No violation was found in one steer tested for flunixin.

EXPLORATORY PROJECTS RESULTS

MARKET HOGS AT VERY SMALL SLAUGHTER PLANTS

This project assessed the sulfonamide and antibiotic residue violation rate in very small market hog slaughter plants. The information obtained from this project will be used to determine if the sulfonamide and antibiotic violation rate in market hogs slaughtered at very small slaughter plants differs from the violation rate of market hogs slaughtered at large slaughter plants. Table 118a, *Market Hogs*, presents testing results by compound class. Table 118b, *Specific Antibiotic and Sulfonamides Violative Residues in Market Hogs*, presents the specific antibiotic or sulfonamide detected.

Table 118a
Market Hogs
2004 FSIS Exploratory Results

Compound Class	Number of analyses	Number of non-violative positives	Number of violations	Percent violations
Antibiotics	674	33	1	0.15
Sulfonamides	675	9	5	0.74

Table 118b
Specific Antibiotic and Sulfonamide Violative Residues
In Market Hogs
2004 FSIS Exploratory Results

Antibiotic Compound	Sulfonamide Compound	Total
Pencillin	Sulfamethazine	
1	**5**	**6**

EQUINE

FSIS initiated an alternate testing strategy to ensure equine products exported from the U.S. meet European Union testing requirements in 2004. FSIS scheduled random sampling in which inspectors were requested to collect random samples from horses presented for slaughter. The horse samples were tested for antibiotics, avermectins, chlorinated hydrocarbons/chlorinated organophosphates (CHCs/COPs), flunixin, phenylbutazone, and sulfonamides. Sampled carcasses were held pending laboratory results. Table 119a, *Horses*, presents testing results by compound class. Table 119b, *Specific Violative Residues in Horses*, presents the specific residue detected.

Table 119a
Horses
2004 FSIS Exploratory Results

Compound Class	Number of analyses	Number of non-violative positives	Number of violations	Percent violations
Antibiotics	15	0	2	13.0
Avermectins	17	0	0	0.0
CHCs/COPs/Phenylbutazone	15	0	1	0.0
Flunixin	5	0	0	0.0
Sulfonamides	17	0	0	0.0
Total	**69**	**0**	**3**	

Table 119b
Specific Violative Residues in Horses
2004 FSIS Exploratory Results

Antibiotic Compound	Non-steroidal anti-inflammatory Compound	Total
Pencillin	Phenylbutazone	
2	**1**	**3**

FAST-FLUNIXIN

From 2003-2004, FSIS conducted a one-year exploratory project to determine if the symptoms that warrant collection of samples to be screened by FAST are indicative of possible flunixin residues in cattle. Samples from suspect animals that tested either positive or negative for antibiotics and sulfonamides with FAST were then analyzed for flunixin. In the first six months of the study, downer cattle were sampled while in the last six months, no downer cattle were included. In calendar year 2003, 408 samples were collected and analyzed, and in 2004, 330 samples were collected and analyzed. Table 120a, *FAST Flunixin,* presents the testing results by production class in 2003. Table 120b, *Specific Violative Residues in FAST-Flunixin,* presents the specific residue detected in 2003. Table 121a, *FAST Flunixin,* presents testing results by production class in 2004. Table 121b, *Specific Violative Residues in FAST-Flunixin,* presents the specific residue detected in 2004.

Table 120a
FAST-Flunixin
2003 FSIS Exploratory Results

Production Class	FAST Positive Samples			FAST Negative Samples			Total Number of Samples
	Number of FAST positive samples	Number of Antibiotic and Sulfona-mide violations	Number of Flunixin Viola-tions	Number of FAST negative samples	Number of Antibiotic and Sulfona-mide violations	Number of Flunixin Viola-tions	
Bulls	0	0	0	1	0	0	**1**
Steers	0	0	0	1	0	0	**1**
Beef cows	1	0	0	4	0	0	**5**
Heifers	0	0	0	1	0	0	**1**
Dairy cows	109	34	21	291	0	15	**400**
Total	**110**	**34**	**21**	**298**	**0**	**15**	**408**

Table 120b
Specific Violative Residues in FAST-Flunixin
2003 FSIS Exploratory Results

Production Class	Antibiotic, Sulfonamide, and Non-steroidal anti-inflammatory Compounds							Total
	Genta-micin	Neo-mycin	Peni-cillin	Tetra-cycline	Sulfadimetho-xine	Sulfame-thazine	Flunixin	
Dairy Cows [4]	7	1	14	2	9	1	36	**70**
Total	**7**	**1**	**14**	**2**	**9**	**1**	**36**	**70**

[4] Multiple violations were found in these animals

Table 121a
FAST-Flunixin
2004 FSIS Exploratory Results

Production Class	FAST Positive Samples			FAST Negative Samples			Total Number of Samples
	Number of FAST positive samples	Number of Antibiotic and Sulfona-mide violations	Number of Flunixin Viola-tions	Number of FAST negative samples	Number of Antibiotic and Sulfona-mide violations	Number of Flunixin Viola-tions	
Bulls	0	0	0	1	0	0	**1**
Steers	0	0	0	2	0	0	**2**
Beef cows	0	0	0	6	0	0	**6**
Heifers	1	1	0	0	0	0	**1**
Dairy cows	67	26	10	252	0	4	**319**
Bob veal	0	0	0	1	0	0	**1**
Total	**68**	**27**	**10**	**262**	**0**	**4**	**330**

Table 121b

Specific Violative Residues
FAST-Flunixin
2004 FSIS Exploratory Results

Production Class	Antibiotic, Sulfonamide, and Non-steroidal anti-inflammatory Compounds						Total
	Genta-micin	Neo-mycin	Peni-cillin	Tilmi-cosin	Sulfadimetho-xine	Flunixin	
Heifers	1	0	0	0	0	0	**1**
Dairy Cows [5]	4	1	13	1	7	14	**40**
Total	**5**	**1**	**13**	**1**	**7**	**14**	**41**

[5] Multiple violations were found in these animals

NON-STEROIDAL ANTI-INFLAMMATORY DRUGS (NSAID)

FAST-positive samples collected from dairy cows were additionally analyzed for the following NSAIDs: flunixin, phenylbutazone, and dipyrone. The goals of the project were: 1) to examine the feasibility of including flunixin, phenylbutazone, and dipyrone in enforcement testing along with antibiotics and sulfonamides; and 2) to demonstrate that dairy cows exhibiting inflammatory conditions are at risk of being violative for flunixin, phenylbutazone, dipyrone, antibiotics and sufonamides. Table 122a, *Non-steroidal anti-inflammatory compounds*, presents testing results by compound class. Table 122b, *Specific Non-steroidal anti-inflammatory Compounds Residues*, presents the specific residue detected. Both, Table 122a and Table 122b contain laboratory data of the samples collected and analyzed in 2004.

Table 122a
Non-steroidal anti-inflammatory Compounds
2004 FSIS Exploratory Results

Production Class	Number of analyses	Number of violations
Dairy cows	144	7

Table 122b
Specific Non-steroidal anti-inflammatory Compounds Residues
2004 FSIS Exploratory Results

Production Class	Non-steroidal anti-inflammatory Compounds			Total
	Dipyrone	Flunixin	Phenylbutazone	
Diary cows	0	7	0	**7**

ENVIRONMENTAL CONTAMINANTS

FSIS conducted an exploratory project to survey the prevalence of heavy metals, lead and cadmium in dairy cows, boars/stags, and mature chickens. Sampling for the survey began in 2003 (October through December) and continued in 2004. The results of the samples collected during CY 2003 are summarized in tables 123 and 124. The results of the samples collected in CY 2004 are presented in table 125 through 127. Samples with cadmium levels less than 10 ppb or lead levels less than 25 ppb are represented by a zero (0) in tables 123 to 127.

Table 123
Lead and Cadmium
2003 FSIS Exploratory Results

Cadmium (ppb)/heifers		
Tissues		
Kidney	Liver	Muscle
416.90	53.45	0
197.40	32.19	0
248.80	41.54	0
100.20	11.56	0
386.30	54.27	0
94.13	21.23	0
24.96	0	*
109.70	21.05	0
396.80	77.90	0
31.10	0	0
59.48	14.00	0
98.72	25.87	0
326.00	44.04	0
193.20	75.24	0
650.80	120.30	0
103.00	29.97	0
193.40	29.63	0
130.60	31.40	0
633.30	89.74	0
199.00	57.59	0
157.30	26.89	0
73.50	21.44	0
238.00	29.99	0
34.59	0	0
146.50	36.09	0
528.40	123.90	0
177.50	32.48	0
205.10	30.83	0
94.53	18.09	0
266.50	55.50	0
55.98	14.46	0
95.42	39.72	0
133.00	30.58	0
142.90	32.59	0
119.40	36.00	0
123.20	19.93	0
60.88	18.21	0
52.63	12.50	0
57.84	30.85	0
134.90	23.76	0

Lead (ppb)/heifers		
Tissues		
Kidney	Liver	Muscle
61.24	0	0
50.37	0	0
0	0	0
36.86	0	0
74.88	31.06	0
293.20	0	0
89.48	53.44	*
36.84	0	0
28.24	0	0
68.40	34.38	0
0	0	0
0	0	0
0	0	0
47.90	32.41	0
37.12	0	0
44.84	31.34	0
38.44	0	0
25.26	0	0
27.08	0	0
38.56	25.02	0
60.61	49.97	0
0	0	0
45.16	0	0
0	0	0
131.10	50.28	0
33.38	32.52	0
0	0	0
45.29	31.54	0
31. 70	0	0
137.70	109.10	0
40.15	0	0
32.37	41.55	0
0	0	0
0	0	0
27.52	0	0
26.59	0	0
42.81	0	0
31.64	0	0
54.08	0	0
60.66	29.04	0

Table 123 - *continued*
Lead and Cadmium
2003 FSIS Exploratory Results

Cadmium (ppb)/heifers		
Tissues		
Kidney	**Liver**	**Muscle**
62.11	16.14	0
108.00	35.48	0
79.23	0	0
55.40	29.80	0
116.80	19.60	0
242.50	75.71	0
155.10	53.61	0
49.70	12.87	0

Lead (ppb)/heifers		
Tissues		
Kidney	**Liver**	**Muscle**
186.00	78.11	0
30.00	0	0
0	0	0
0	0	0
31.50	0	0
115.10	75.64	0
25.42	0	0
33.83	0	0

***** Data not available

Table 124
Lead and Cadmium
2003 FSIS Exploratory Results

Cadmium (ppb)/dairy cows		
Tissues		
Kidney	Liver	Muscle
289.00	142.90	0
913.00	178.30	0
235.80	62.71	0
390.80	63.86	0
96.71	17.85	0
703.00	113.70	0
1094.00	347.00	0
747.80	105.30	0
154.00	26.01	0
288.00	102.30	0
725.60	104.10	0
927.40	181.10	0
139.00	30.78	0
250.30	84.97	0
323.00	72.96	0
319.80	155.30	0
288.00	45.93	0
252.60	89.43	0
448.00	77.85	0
528.60	80.10	0
2834.00	414.90	0
285.60	56.53	0
239.60	41.66	0
322.50	54.92	0
769.40	123.50	0
334.50	52.30	0
367.90	34.51	0
151.00	64.21	0
208.90	80.27	0
727.30	186.10	0
265.00	76.60	0
127.90	27.74	0
982.90	142.40	0
421.70	78.79	0
390.70	89.45	0
181.40	78.61	0
819.20	163.80	0

Lead (ppb)/dairy cows		
Tissues		
Kidney	Liver	Muscle
0	0	0
70.37	0	0
26.63	0	0
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
57.02	33.18	0
33.68	0	0
34.07	0	0
0	0	0
30.26	0	0
0	0	0
47.69	34.11	0
34.97	0	0
0	0	0
28.58	31.10	0
26.53	0	0
87.99	82.53	0
33.00	41.84	0
0	0	0
0	0	0
85.37	0	0
47.55	27.19	0
25.62	29.12	0
0	0	0
43.56	88.23	0
28.45	28.63	0
30.27	28.97	0
0	0	0
26.23	0	0
42.81	0	0
0	0	0
51.93	53.28	0
381.80	221.90	0

Table 124 - *continued*
Lead and Cadmium
2003 FSIS Exploratory Results

Cadmium (ppb)/dairy cows		
Tissues		
Kidney	Liver	Muscle
429.40	135.50	0
841.40	60.93	0
271.80	65.90	0
99.45	42.05	0
174.70	67.99	0
951.70	139.70	0
433.30	55.10	0
444.40	86.28	0
352.20	68.56	0
254.70	44.37	0
475.40	82.78	0

Lead (ppb)/dairy cows		
Tissues		
Kidney	Liver	Muscle
0	0	0
0	0	0
879.60	401.00	0
0	48.66	0
0	0	0
73.10	92.48	0
39.16	0	0
33.32	0	0
0	0	0
0	0	0
0	0	0

Table 125
Lead and Cadmium
2004 FSIS Exploratory Results

Cadmium (ppb)/dairy cows		
Tissues		
Kidney	Liver	Muscle
250.40	71.00	0
811.30	78.24	0
253.10	39.40	0
578.50	117.00	0
263.50	66.10	0
434.00	67.00	0
294.80	52.75	0
475.80	109.80	0
1263.00	194.20	0
965.20	139.90	0
264.00	44.19	0
308.00	65.70	0
41.81	156.00	0
537.00	62.61	0
550.80	57.96	0
314.00	83.18	0
441.00	91.43	0
606.40	106.00	0
173.10	34.76	0
2569.00	198.90	0
438.10	90.72	0
238.90	58.53	0
996.30	46.09	0
522.50	68.26	0
1112.00	63.51	0
641.80	87.30	0
168.00	42.50	0
956.50	141.40	0
469.20	98.00	0
3402.00	278.00	0
793.80	140.70	0
594.00	146.80	0
220.00	173.50	0
793.30	166.80	0
204.50	71.46	0
195.30	40.84	0
400.20	43.32	0
391.50	48.52	0
659.00	124.50	0

Lead (ppb)/dairy cows		
Tissues		
Kidney	Liver	Muscle
51.06	29.15	0
26.52	0	0
32.20	0	0
0	0	0
175.80	43.23	0
60.43	69.44	0
41.22	0	0
40.70	32.19	0
0	0	0
43.25	31.58	0
0	0	0
57.48	0	0
0	0	0
36.38	0	0
78.89	59.15	0
0	0	0
0	0	0
176.90	96.48	0
65.20	89.08	0
45.51	40.44	0
70.76	52.18	0
161.40	115.10	79.79
0	0	0
39.64	0	0
0	0	0
0	0	0
37.08	0	0
28.64	41.27	0
0	33.55	0
145.60	253.20	0
45.62	0	0
61.50	36.75	0
25.44	0	0
30.61	0	0
32.74	0	0
0	0	0
0	0	0
28.52	29.65	0
0	0	0

Table 125 - *continued*
Lead and Cadmium
2004 FSIS Exploratory Results

Cadmium (ppb)/dairy cows		
Tissues		
Kidney	Liver	Muscle
610.40	158.10	0
878.10	126.90	0
82.47	13.11	0
440.50	35.80	0
604.50	129.60	0
265.90	54.15	0
546.60	106.50	0
294.00	83.25	0
251.00	45.16	0
398.80	77.50	0
1157.00	183.30	0
356.50	99.19	0
111.10	24.58	0
78.67	18.41	0
185.10	43.92	0
305.00	81.41	0
719.20	119.30	0
142.60	0	0
225.80	56.70	0
294.00	58.55	0
1190.00	129.40	0
818.70	103.00	0
199.80	35.81	0
432.20	123.00	16.85
471.40	69.79	0
179.70	50.29	0
138.70	51.80	0
184.90	47.16	0
91.08	19.57	0
543.00	88.43	0
178.10	47.60	0
151.00	53.93	0
328.30	37.91	0
253.20	84.30	0
1236.00	142.00	0
81.60	31.95	0
387.40	64.80	0
481.70	44.17	0

Lead (ppb)/dairy cows		
Tissues		
Kidney	Liver	Muscle
29.87	40.53	0
37.89	36.49	0
0	0	0
27.09	84.15	0
41.67	0	0
57.41	48.57	0
0	0	0
72.49	0	0
25.02	39.52	0
0	0	0
0	0	0
188.10	160.80	0
0	0	0
0	0	0
0	0	0
37.15	0	0
38.69	32.63	0
0	0	0
51.15	0	0
0	0	0
37.24	0	0
83.14	81.37	0
0	0	0
30.06	0	0
65.53	33.63	0
27.41	43.77	0
75.30	63.14	0
33.87	0	0
31.29	0	0
30.86	43.60	0
37.76	27.35	0
72.47	30.99	0
25.76	0	0
45.37	53.40	0
106.10	44.64	0
25.97	0	0
50.89	0	0
71.97	29.58	0

Table 125 - *continued*
Lead and Cadmium
2004 FSIS Exploratory Results

Cadmium (ppb)/dairy cows		
Tissues		
Kidney	Liver	Muscle
251.20	35.57	0
557.80	76.47	0
114.20	25.73	0
370.00	57.84	0
230.00	97.87	0
530.10	149.00	0
241.70	65.89	0
463.70	157.80	0
306.70	55.51	0
335.00	47.28	*
662.30	55.54	0
417.30	64.97	0
1338.00	229.90	0
218.60	84.05	0
276.30	40.40	0
259.40	89.20	0
271.20	26.17	0
507.00	41.90	0
340.00	28.67	0
322.80	44.90	0
108.20	29.43	0
119.30	28.77	0
146.40	23.08	0
62.78	28.85	0
189.90	29.62	0
392.50	94.67	0
974.00	171.30	0
656.90	81.29	0
114.00	41.76	0
270.80	36.51	0
212.80	297.00	0
238.00	30.34	0
753.50	96.44	0
968.60	134.30	0
175.10	42.80	0

Lead (ppb)/dairy cows		
Tissues		
Kidney	Liver	Muscle
170.50	134.70	0
25.28	0	0
0	0	0
91.81	0	0
57.48	53.51	0
50.15	25.50	0
55.40	0	0
36.17	0	0
0	0	0
40.20	0	*
38.96	25.51	0
36.24	41.62	0
0	0	0
59.36	30.50	0
0	0	0
44.36	39.50	0
0	0	0
67.60	0	0
72.48	0	0
45.13	35.20	0
42.03	0	0
33.82	0	0
33.22	0	0
0	0	0
62.50	36.48	0
41.18	122.70	0
0	0	0
62.50	38.48	0
0	0	0
55.94	39.00	0
49.72	32.80	0
25.21	0	0
65.14	34.00	0
104.00	114.70	0
40.74	31.89	0

Table 125 - *continued*
Lead and Cadmium
2004 FSIS Exploratory Results

Cadmium (ppb)/dairy cows		
Tissues		
Kidney	Liver	Muscle
781.00	191.30	0
141.80	36.90	0
802.90	177.60	0
148.20	42.15	0
365.00	0	0
2480.00	11.40	0
132.10	54.51	0
400.00	39.50	0
291.90	79.01	0
345.70	59.92	0
147.00	25.87	0
172.10	49.20	0
151.00	22.81	0
168.60	72.26	0
754.00	139.90	0
1701.00	79.10	0
123.70	28.81	0
140.20	18.50	0
86.19	26.09	0
283.80	66.54	0
359.50	51.70	0
68.24	27.00	0
93.26	27.07	0
141.00	17.35	0
139.00	49.01	0
124.00	36.74	0
512.00	152.50	0
422.00	72.20	0
137.30	44.31	0
1097.00	200.70	0
510.60	59.14	0
372.50	91.55	0
425.60	77.99	0
2359.00	216.80	0
144.40	41.06	0

Lead (ppb)/dairy cows		
Tissues		
Kidney	Liver	Muscle
64.10	0	0
0	0	0
98.17	167.90	0
0	0	0
63.10	0	0
47.45	0	0
46.86	44.44	0
243.00	112.00	32.97
73.01	57.08	0
28.96	0	0
59.13	0	0
0	0	0
0	0	0
50.65	48.50	0
101.50	45.90	0
0	0	0
0	0	0
45.88	0	0
28.20	0	0
47.74	0	0
40.57	36.11	0
0	0	0
128.50	67.95	0
0	0	0
0	46.46	0
0	0	0
25.80	0	0
37.39	0	0
0	0	0
62.34	25.80	0
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0

Table 125 - *continued*
Lead and Cadmium
2004 FSIS Exploratory Results

Cadmium (ppb)/dairy cows		
Tissues		
Kidney	Liver	Muscle
270.40	56.37	0
77.88	12.08	0
922.90	111.50	0
1093.00	179.50	0
921.10	74.53	0
722.10	109.30	0
60.20	32.08	0
227.50	24.67	0
427.70	129.40	0
3428.00	186.80	0
626.10	99.50	0
289.20	88.33	0
52.74	24.05	0
182.10	47.34	0
243.50	67.94	0
83.03	15.28	0
163.60	28.88	0
148.70	47.90	0
1191.00	142.30	0
205.00	35.55	0
167.00	24.75	0
326.20	59.97	0
486.90	140.10	0

Lead (ppb)/dairy cows		
Tissues		
Kidney	Liver	Muscle
88.91	43.39	0
84.06	29.86	0
36.90	0	0
50.92	0	0
45.06	0	0
42.59	0	0
0	79.15	0
0	0	0
0	0	0
68.97	0	0
42.09	33.37	0
47.47	0	0
0	0	0
29.62	0	0
0	0	0
0	0	0
69.23	33.60	0
0	0	0
49.91	32.24	0
0	0	0
0	0	0
0	0	0
0	0	0

* Data not available

Table 126
Lead and Cadmium
2004 FSIS Exploratory Results

Cadmium (ppb)/mature chickens			Lead (ppb)/mature chickens		
Tissues			Tissues		
Kidney	Liver	Muscle	Kidney	Liver	Muscle
1253.00	189.00	0	0	0	0
301.60	109.00	0	0	0	0
133.20	216.70	0	0	0	0
172.00	90.94	0	27.44	0	0
619.10	303.20	0	0	0	0
313.80	57.80	0	0	0	0
521.40	115.00	0	0	0	0
1063.00	221.20	0	0	0	0
558.70	46.30	0	37.69	0	0
1522.00	236.10	0	0	0	0
262.40	127.90	0	0	0	0
282.30	40.59	0	0	0	0
294.30	67.14	0	0	0	0
597.20	309.10	0	0	0	0
319.90	63.70	0	0	0	0
613.00	165.50	0	0	0	0
313.00	75.44	0	0	0	0
633.40	169.00	0	33.66	0	0
434.50	173.90	0	0	0	0
478.70	121.80	0	0	0	0
368.10	124.00	0	26.23	0	0
179.50	37.10	0	0	0	0
587.60	121.00	0	0	0	0
437.60	102.80	0	0	0	0
4650.00	1206.00	14.00	0	0	0
969.40	640.00	0	0	0	0
282.60	91.81	0	0	0	0
310.50	74.47	0	0	0	0
261.70	61.65	0	0	0	0
598.50	186.60	0	0	0	0
735.70	148.30	0	0	0	0
318.00	155.00	0	0	0	0
319.90	108.90	0	0	0	0
245.80	114.50	0	0	0	0
662.30	112.20	0	28.70	0	0
339.40	145.30	0	0	0	0
4088.00	1431.00	0	0	0	0
693.00	324.40	0	0	0	0

Table 126 - *continued*
Lead and Cadmium
2004 FSIS Exploratory Results

Cadmium (ppb)/mature chickens			Lead (ppb)/mature chickens		
Tissues			Tissues		
Kidney	Liver	Muscle	Kidney	Liver	Muscle
339.60	179.90	0	0	47.17	0
399.20	175.80	0	0	0	0
560.90	299.90	0	0	0	0
5532.00	788.00	13.23	0	0	0
651.10	253.00	0	0	0	0
366.40	250.40	0	27.08	0	0
297.60	91.90	0	0	0	0
109.70	34.76	0	27.61	0	0
673.40	132.80	0	0	0	0
706.60	75.46	0	45.32	0	0
431.10	204.60	0	0	0	0
367.80	143.80	0	0	0	0
205.50	83.47	0	0	0	0
301.80	68.34	0	0	0	0
385.70	78.33	0	0	0	0
322.60	144.90	0	0	0	0
671.10	211.10	0	0	0	0
504.90	79.12	0	0	0	0
333.20	62.40	0	0	0	0
1453.00	796.10	0	0	31.92	0
484.70	120.00	0	0	0	0
449.00	119.00	0	0	25.91	0
879.90	124.00	0	0	0	0
16.84	0	0	27.82	0	0
344.30	144.90	0	44.29	0	0
348.00	69.60	0	0	0	0
289.40	56.77	0	0	0	0
274.10	55.54	0	0	0	0
240.00	115.40	0	0	0	0
501.30	163.60	0	35.67	0	0
567.30	79.10	0	31.52	0	0
320.80	57.90	0	0	0	0
340.60	151.70	0	0	0	0
471.10	104.80	0	0	0	0
457.70	224.30	0	0	0	0
178.40	83.70	0	42.02	0	0
381.60	185.80	0	0	0	0
245.00	35.21	0	0	0	0

Table 126 - *continued*
Lead and Cadmium
2004 FSIS Exploratory Results

Cadmium (ppb)/mature chickens			Lead (ppb)/mature chickens		
Tissues			Tissues		
Kidney	Liver	Muscle	Kidney	Liver	Muscle
438.30	125.70	0	0	0	0
612.00	203.20	0	0	0	0
706.00	224.40	0	0	0	0
410.70	162.10	0	0	0	0
448.00	102.70	0	0	0	0
1828.00	199.00	0	0	0	0
726.50	94.79	0	0	0	0
750.00	152.70	0	0	0	0
358.90	137.40	0	0	0	0
356.10	107.30	0	0	0	0
332.00	79.30	0	30.99	0	0
204.10	111.20	0	0	41.57	0
531.10	312.00	0	0	0	0
260.00	52.90	0	0	0	0
1189.00	342.00	0	0	0	0
1099.00	217.30	0	0	0	0
251.8.00	106.10	0	0	0	0
1098.00	105.00	0	0	0	0
419.40	114.30	0	0	27.31	0
193.80	96.90	0	26.60	0	0
711.30	274.20	0	122.90	0	0
186.70	48.85	0	54.95	0	0
578.10	120.00	0	86.49	34.45	0
257.30	69.42	0	0	0	0
357.90	148.20	0	0	0	0
380.30	170.70	0	56.03	0	0
444.90	68.62	0	0	0	0
306.40	45.57	0	28.77	31.75	0
947.90	157.50	0	0	0	0
576.50	136.30	0	42.70	0	0
601.00	137.00	0	29.30	0	0
718.00	154.00	0	0	0	0
265.00	48.98	0	27.50	0	0
2323.00	982.10	0	0	0	0
95.05	517.80	0	0	0	0
373.00	176.10	0	0	39.70	0
372.20	65.89	0	0	0	0
424.00	85.29	0	0	0	0
599.60	141.80	0	0	0	0

Table 126 - *continued*
Lead and Cadmium
2004 FSIS Exploratory Results

Cadmium (ppb)/mature chickens			Lead (ppb)/mature chickens		
Tissues			Tissues		
Kidney	Liver	Muscle	Kidney	Liver	Muscle
481.10	99.27	0	25.38	25.02	0
228.90	46.48	0	0	1293.00	0
786.00	112.50	0	0	0	0
357.40	41.42	0	0	0	0
322.70	29.78	0	0	0	0
475.80	221.90	0	0	0	0
1478.00	417.00	0	0	0	0
11400.00	1820.00	31.30	0	0	56.63
675.20	802.80	0	81.31	61.46	0
277.00	131.00	0	0	0	0
652.00	241.00	0	0	0	0
302.90	65.66	0	0	0	31.32
256.30	164.40	0	0	0	0
301.10	118.00	0	0	0	0
337.00	151.00	0	0	0	0
624.70	118.00	0	0	0	0
368.00	165.80	0	0	0	0
217.30	102.70	0	0	0	0
334.00	150.00	0	0	0	0
351.00	181.60	0	0	0	0
402.00	75.27	0	0	0	0
2804.00	564.00	0	0	0	0
253.80	86.14	0	0	0	0
485.90	87.00	0	0	0	0
721.00	222.90	0	0	29.22	0
584.30	98.97	0	0	0	0
651.60	275.80	0	0	0	0
717.60	123.00	0	0	0	0
314.20	112.10	0	0	0	0
357.40	80.91	0	0	0	0
205.00	32.90	0	0	0	0
329.00	49.69	0	36.80	0	69.70
444.70	107.00	0	0	862.50	0
900.00	64.27	0	33.40	0	0
499.70	94.70	0	0	0	0
363.20	43.90	0	27.34	0	0
363.20	122.50	0	0	0	0
255.00	226.90	0	0	0	75.20

Table 126 - *continued*
Lead and Cadmium
2004 FSIS Exploratory Results

Cadmium (ppb)/mature chickens		
Tissues		
Kidney	Liver	Muscle
486.40	126.80	0
385.10	156.00	0
1950.00	225.00	0
244.80	46.55	0
232.30	77.60	0
688.70	245.40	0
786.00	211.60	0
371.00	177.80	0
234.20	97.55	0
219.30	41.51	0
210.70	75.90	0
269.10	95.40	0
531.60	76.58	0
975.40	234.00	0
284.00	200.30	0
410.70	115.00	0
507.30	79.31	0
529.20	61.40	0
298.00	116.10	0
173.20	39.80	0
351.00	150.70	0
718.00	338.10	0
202.00	53.78	0
1120.00	235.00	0
472.90	111.70	0
851.20	149.40	0
589.50	114.90	0
157.70	93.66	0
803.90	257.00	0
281.30	61.17	0
1069.00	336.40	0
401.00	160.10	0
402.10	210.50	0
109.00	27.20	0
731.00	116.10	0
745.20	239.30	0
409.90	145.00	0
292.70	84.13	0

Lead (ppb)/mature chickens		
Tissues		
Kidney	Liver	Muscle
0	0	0
0	0	0
63.78	0	43.13
0	0	0
0	0	0
40.29	0	0
0	0	0
0	0	0
32.85	0	0
0	0	0
0	0	0
0	0	0
0	0	0
33.08	0	0
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
37.80	0	0
0	0	0
0	38.45	0
0	0	0
0	0	0
0	0	0
42.80	47.81	0
0	0	0
0	0	0
31.22	0	0
0	0	0
40.80	0	0
0	0	0
670.80	0	0
0	0	0
61.61	0	0

Table 126 - *continued*
Lead and Cadmium
2004 FSIS Exploratory Results

Cadmium (ppb)/mature chicken		
Tissues		
Kidney	Liver	Muscle
606.60	116.70	0
317.60	51.21	0
283.80	95.05	0
310.40	173.40	0
472.30	136.00	0
373.60	17000	0
433.90	95.87	0
1011.00	461.40	0
397.00	139.40	0

Lead (ppb)/mature chicken		
Tissues		
Kidney	Liver	Muscle
0	0	0
0	0	0
0	0	0
0	0	0
73.28	0	0
0	0	0
0	0	0
0	0	0
29.42	0	0

Table 127
Lead and Cadmium
2004 FSIS Exploratory Results

Cadmium (ppb)/boar-stags			Lead (ppb)/boar-stags		
Tissues			Tissues		
Kidney	Liver	Muscle	Kidney	Liver	Muscle
195.00	46.08	0	0	57.90	0
239.80	68.37	0	0	0	0
465.20	97.08	0	29.48	31.70	0
98.23	42.30	0	34.90	26.84	0
99.74	27.32	0	0	0	0
185.80	35.71	0	0	27.63	0
378.00	84.78	0	0	0	0
1602.00	231.30	0	34.70	34.54	0
1476.00	302.50	0	76.14	32.08	0
181.30	34.52	0	0	0	0
267.90	60.06	0	0	0	0
146.00	18.06	0	28.75	32.87	0
95.20	32.50	*	62.86	46.65	*
291.00	62.49	0	0	0	0
144.00	28.30	0	0	28.75	0
377.60	66.91	0	66.46	52.98	0
130.10	39.59	0	0	0	0
116.90	25.23	0	0	0	0
66.19	24.96	0	0	0	0
65.06	24.27	0	0	0	0
61.01	10.09	0	0	0	0
103.80	27.08	0	0	0	0
194.30	42.68	0	31.90	0	0
972.90	202.80	0	775.50	813.60	0
262.00	59.82	0	31.30	0	0
147.80	33.30	0	0	0	0
329.40	53.48	0	0	0	0
124.90	17.55	0	0	0	0
47.63	13.44	0	51.71	65.83	0
56.36	20.10	0	0	0	0
1038.00	172.00	0	100.70	49.36	0
208.10	58.25	0	0	27.91	90.68
108.00	24.87	0	42.80	63.48	0
361.20	213.50	0	172.70	249.40	59.23
214.00	41.10	0	0	0	0
72.67	24.80	0	0	0	0
209.50	38.26	0	0	0	0
93.36	20.85	0	0	0	0
689.80	99.14	0	0	0	0

Table 127 - *continued*
Lead and Cadmium
2004 Domestic Exploratory Results

Cadmium (ppb)/boar-stags		
Tissues		
Kidney	Liver	Muscle
97.00	26.80	0
332.20	105.30	0

Lead (ppb)/boar-stags		
Tissues		
Kidney	Liver	Muscle
25.72	25.67	0
32.59	135.70	0

* Data not available

AMENDMENT TO THE 2000 NATIONAL RESIDUE DATA BOOK

beta-AGONISTS

Food Safety and Inspection Service and FDA's Denver District Laboratory collaborated in the testing of the following nine *beta*-agonists: salbutamol, terbutaline, fenoterol, clenbuterol, cimaterol, mabuterol, zilpaterol, ractopamine, and brombuterol. The 1,243 samples tested for *beta*-agonists comprised 731 bovine, 408 porcine, 102 ovine and two caprine. The samples were analyzed in FDA's Denver District Laboratory using a ELISA screen. Five samples screened positive for beta-agonists residues and were sent to the National Center for Toxicological Research for confirmation by LC/Mass Spectrometry. The five samples, three bovine (2 steers and 1 calf), one porcine (market hog) and one ovine (sheep), were confirmed negative for *beta*-agonist residues.

IMPORT REINSPECTION RESULTS

NORMAL

Table 128, *Normal Reinspection Results,* presents results for imported products subject to normal reinspection. The data includes the number of reported results, non-detects, non-violative positives, and violations found for each compound class tested.

Table 128
Normal Reinspection Results
Import Residue Plan

Country	Product Class	Compound Class	Number Reported Results	Number Non-Detects	Number Non-Violative Positives	Number Violations
Argentina	Beef Fresh	Avermectins	1	1	0	0
		Sulfonamides	1	1	0	0
	Beef Processed	Chlorinated HCs	11	11	0	0
		Chlorinated OPs	11	11	0	0
		Phenylbutazone	11	11	0	0
		Sulfonamides	15	15	0	0
	Total		**50**	**50**	**0**	**0**
Australia	Beef Fresh	Antibiotics	71	71	0	0
		Arsenic	2	2	0	0
		Avermectins	150	149	1	0
		Chloramphenicol	39	39	0	0
		Chlorinated HCs	66	65	1	0
		Chlorinated OPs	66	66	0	0
		Phenylbutazone	66	66	0	0
		Sulfonamides	81	81	0	0
	Goat Fresh	Antibiotics	7	7	0	0
		Arsenic	8	8	0	0
		Avermectins	1	1	0	0
		Chlorinated HCs	4	4	0	0
		Chlorinated OPs	4	4	0	0
		Phenylbutazone	4	4	0	0
		Sulfonamides	8	8	0	0

Country	Product Class	Compound Class	Number Reported Results	Number Non-Detects	Number Non-Violative Positives	Number Violations
Australia *cont.*	Lamb Fresh	Avermectins	41	41	0	0
		Antibiotics	46	46	0	0
		Chloramphenicol	16	16	0	0
		Sulfonamides	38	38	0	0
	Mutton Fresh	Antibiotics	13	13	0	0
		Avermectins	6	6	0	0
		Sulfonamides	9	9	0	0
	Pork Processed	Avermectins	1	1	0	0
		Sulfonamides	1	1	0	0
	Veal Fresh	Antibiotics	8	8	0	0
		Avermectins	11	11	0	0
		Chloramphenicol	11	11	0	0
		Chlorinated HCs	2	2	0	0
		Chlorinated OPs	2	2	0	0
		Phenylbutazone	2	2	0	0
		Sulfonamides	11	11	0	0
	Total		**795**	**793**	**2**	**0**
Austria	Beef Fresh	Sulfonamides	1	1	0	0
	Total		**1**	**1**	**0**	**0**
Brazil	Beef Fresh	Chlorinated HCs	1	1	0	0
		Chlorinated OPs	1	1	0	0
		Phenylbutazone	1	1	0	0
		Sulfonamides	1	1	0	0
	Beef Processed	Avermectins	2	2	0	0
		Chlorinated HCs	13	13	0	0
		Chlorinated OPs	13	13	0	0
		Phenylbutazone	13	13	0	0
		Sulfonamides	52	52	0	0
	Total		**97**	**97**	**0**	**0**

Country	Product Class	Compound Class	Number Reported Results	Number Non-Detects	Number Non-Violative Positives	Number Violations
Canada	Beef Fresh	Antibiotics	142	142	0	0
		Arsenic	6	6	0	0
		Avermectins	239	239	0	0
		Chloramphenicol	146	146	0	0
		Chlorinated HCs	42	42	0	0
		Chlorinated OPs	42	42	0	0
		Phenylbutazone	42	42	0	0
		Sulfonamides	202	202	0	0
	Chicken Fresh	Antibiotics	8	8	0	0
		Arsenic	8	8	0	0
		Avermectins	1	1	0	0
		Chloramphenicol	1	1	0	0
		Chlorinated HCs	6	6	0	0
		Chlorinated OPs	6	6	0	0
		Phenylbutazone	6	6	0	0
		Sulfonamides	1	1	0	0
	Chicken Processed	Arsenic	2	2	0	0
		Sulfonamides	8	8	0	0
	Combination Processed	Sulfonamides	2	2	0	0
	Goat Fresh	Antibiotics	1	1	0	0
	Pork Fresh	Antibiotics	224	224	0	0
		Arsenic	63	63	0	0
		Avermectins	67	67	0	0
		Chloramphenicol	4	4	0	0
		Chlorinated HCs	1	1	0	0
		Chlorinated OPs	1	1	0	0
		Phenylbutazone	1	1	0	0
		Sulfonamides	65	65	0	0
	Veal Fresh	Antibiotics	8	8	0	0
		Avermectins	17	17	0	0
		Chloramphenicol	18	18	0	0
		Chlorinated HCs	19	19	0	0
		Chlorinated OPs	19	19	0	0
		Phenylbutazone	19	19	0	0
		Sulfonamides	18	18	0	0

Country	Product Class	Compound Class	Number Reported Results	Number Non-Detects	Number Non-Violative Positives	Number Violations
Canada *cont.*	Egg Products	Arsenic	1	1	0	0
		Chlorinated HCs	19	19	0	0
		Chlorinated OPs	19	19	0	0
		Phenylbutazone	19	19	0	0
		Sulfonamides	52	52	0	0
	Total		**1565**	**1565**	**0**	**0**
Costa Rica	Beef Fresh	Antibiotics	7	7	0	0
		Avermectins	7	7	0	0
		Chloramphenicol	8	8	0	0
		Chlorinated HCs	4	4	0	0
		Chlorinated OPs	4	4	0	0
		Phenylbutazone	4	4	0	0
		Sulfonamides	9	9	0	0
	Total		**43**	**43**	**0**	**0**
Croatia	Pork Processed	Arsenic	4	4	0	0
		Sulfonamides	5	5	0	0
	Total		**9**	**9**	**0**	**0**
Denmark	Pork Fresh	Antibiotics	9	9	0	0
		Arsenic	9	9	0	0
		Avermectins	12	12	0	0
		Chloramphenicol	1	1	0	0
		Chlorinated HCs	2	2	0	0
		Chlorinated OPs	2	2	0	0
		Phenylbutazone	2	2	0	0
		Sulfonamides	11	11	0	0
	Total		**48**	**48**	**0**	**0**
Finland	Lamb Fresh	Arsenic	1	1	0	0
		Avermectins	1	1	0	0
		Sulfonamides	1	1	0	0
	Pork Fresh	Antibiotics	3	3	0	0
		Arsenic	2	2	0	0

Country	Product Class	Compound Class	Number Reported Results	Number Non-Detects	Number Non-Violative Positives	Number Violations
Finland *cont.*	Pork Fresh	Avermectins	2	2	0	0
		Chlorinated HCs	1	1	0	0
		Chlorinated OPs	1	1	0	0
		Phenylbutazone	1	1	0	0
		Sulfonamides	2	2	0	0
	Total		**15**	**15**	**0**	**0**
Germany	Pork Processed	Arsenic	1	1	0	0
		Sulfonamides	1	1	0	0
	Total		**2**	**2**	**0**	**0**
Guatemala	Beef Fresh	Avermectins	1	1	0	0
		Chloramphenicol	1	1	0	0
		Sulfonamides	1	1	0	0
	Total		**3**	**3**	**0**	**0**
Honduras	Beef Fresh	Antibiotics	8	8	0	0
		Avermectins	1	1	0	0
		Chloramphenicol	8	8	0	0
		Chlorinated HCs	3	3	0	0
		Chlorinated OPs	3	3	0	0
		Phenylbutazone	3	3	0	0
		Sulfonamides	8	8	0	0
	Total		**34**	**34**	**0**	**0**
Hungary	Pork Processed	Arsenic	4	4	0	0
		Sulfonamides	4	4	0	0
	Total		**8**	**8**	**0**	**0**
Iceland	Pork Fresh	Chlorinated HCs	1	1	0	0
		Chlorinated OPs	1	1	0	0
		Phenylbutazone	1	1	0	0
	Total		**3**	**3**	**0**	**0**

Country	Product Class	Compound Class	Number Reported Results	Number Non-Detects	Number Non-Violative Positives	Number Violations
Ireland	Pork Fresh	Antibiotics	4	4	0	0
		Arsenic	1	1	0	0
		Avermectins	1	1	0	0
		Chlorinated HCs	3	3	0	0
		Chlorinated OPs	3	3	0	0
		Phenylbutazone	3	3	0	0
		Ractopamine	1	1	0	0
		Sulfonamides	1	1	0	0
	Total		**17**	**17**	**0**	**0**
Israel	Chicken Processed	Arsenic	4	4	0	0
		Sulfonamides	4	4	0	0
	Total		**8**	**8**	**0**	**0**
Italy	Beef Processed	Sulfonamides	1	1	0	0
	Pork Processed	Arsenic	8	8	0	0
		Chlorinated HCs	12	12	0	0
		Chlorinated OPs	12	12	0	0
		Phenylbutazone	12	12	0	0
		Sulfonamides	8	8	0	0
	Total		**53**	**53**	**0**	**0**
Mexico	Beef Fresh	Antibiotics	5	5	0	0
		Avermectins	7	7	0	0
		Chloramphenicol	6	6	0	0
		Chlorinated HCs	3	3	0	0
		Chlorinated OPs	3	3	0	0
		Phenylbutazone	3	3	0	0
		Sulfonamides	6	6	0	0
	Lamb Fresh	Antibiotics	1	1	0	0
		Avermectins	1	1	0	0
		Chloramphenicol	1	1	0	0
		Sulfonamides	1	1	0	0

Country	Product Class	Compound Class	Number Reported Results	Number Non-Detects	Number Non-Violative Positives	Number Violations
Mexico *cont.*	Pork Fresh	Antibiotics	1	1	0	0
		Arsenic	1	1	0	0
		Avermectins	1	1	0	0
		Chlorinated HCs	1	1	0	0
		Chlorinated OPs	1	1	0	0
		Phenylbutazone	1	1	0	0
		Sulfonamides	1	1	0	0
	Total		**44**	**44**	**0**	**0**
Netherlands	Beef Fresh	Avermectins	1	1	0	0
		Chlorinated HCs	1	1	0	0
		Chlorinated OPs	1	1	0	0
		Phenylbutazone	1	1	0	0
	Pork Processed	Arsenic	4	4	0	0
		Chlorinated HCs	4	4	0	0
		Chlorinated OPs	4	4	0	0
		Phenylbutazone	4	4	0	0
		Sulfonamides	4	4	0	0
	Total		**24**	**24**	**0**	**0**
New Zealand	Beef Fresh	Antibiotics	64	64	0	0
		Arsenic	1	1	0	0
		Avermectins	104	104	0	0
		Chloramphenicol	39	39	0	0
		Chlorinated HCs	45	41	4	0
		Chlorinated OPs	45	45	0	0
		Phenylbutazone	45	45	0	0
		Sulfonamides	78	78	0	0
	Goat Fresh	Antibiotics	5	5	0	0
		Arsenic	5	5	0	0
		Avermectins	1	1	0	0
		Chlorinated HCs	2	2	0	0
		Chlorinated OPs	2	2	0	0
		Phenylbutazone	2	2	0	0
		Sulfonamides	8	8	0	0

Country	Product Class	Compound Class	Number Reported Results	Number Non-Detects	Number Non-Violative Positives	Number Violations
New Zealand *cont.*	Lamb Fresh	Antibiotics	20	20	0	0
	Veal Fresh	Antibiotics	4	4	0	0
		Avermectins	8	8	0	0
		Chlorinated HCs	2	0	2	0
		Chlorinated OPs	2	2	0	0
		Phenylbutazone	2	2	0	0
		Sulfonamides	8	8	0	0
	Total		**492**	**486**	**6**	**0**
Nicaragua	Beef Fresh	Antibiotics	3	3	0	0
		Avermectins	4	4	0	0
		Chloramphenicol	4	4	0	0
		Chlorinated HCs	3	3	0	0
		Chlorinated OPs	3	3	0	0
		Phenylbutazone	3	3	0	0
		Sulfonamides	3	3	0	0
	Total		**23**	**23**	**0**	**0**
Poland	Lamb Fresh	Arsenic	1	1	0	0
		Sulfonamides	1	1	0	0
	Pork Processed	Arsenic	2	2	0	0
		Sulfonamides	2	2	0	0
	Total		**6**	**6**	**0**	**0**
Spain	Pork Processed	Arsenic	1	1	0	0
		Chlorinated HCs	2	2	0	0
		Chlorinated OPs	2	2	0	0
		Phenylbutazone	2	2	0	0
		Sulfonamides	1	1	0	0
	Total		**8**	**8**	**0**	**0**

Country	Product Class	Compound Class	Number Reported Results	Number Non-Detects	Number Non-Violative Positives	Number Violations
Uruguay	Beef Fresh	Antibiotics	7	7	0	0
		Avermectins	4	4	0	0
		Chloramphenicol	4	4	0	0
		Chlorinated HCs	4	4	0	0
		Chlorinated OPs	4	4	0	0
		Phenylbutazone	4	4	0	0
		Sulfonamides	4	4	0	0
	Mutton Fresh	Antibiotics	1	1	0	0
	Total		**32**	**32**	**0**	**0**

INCREASED

Table 129, *Increased Reinspection Results*, presents results for imported products subject to increased reinspection. The data includes the number of reported results, non-detects, non-violative positives, and violations found for each compound class tested by product class.

Table 129
Increased Reinspection Results
Import Residue Plan

Country	Product Class	Compound Class	Number Reported Results	Number Non-Detects	Number Non-Violative Positives	Number Violations
Costa Rica	Beef Fresh	Chlorinated HCs	1	1	0	0
		Chlorinated OPs	1	1	0	0
		Phenylbutazone	1	1	0	0
	Total		**3**	**3**	**0**	**0**
Mexico	Beef Fresh	Chlorinated HCs	1	1	0	0
		Chlorinated OPs	1	1	0	0
		Phenylbutazone	1	1	0	0
	Total		**3**	**3**	**0**	**0**

INTENSIFIED

Table 130, *Intensified Reinspection Results*, presents results for import products subject to intensified reinspection. The data includes the number of reported results, non-detects, non-violative positives, and violations found for each compound class tested by product class.

Table 130
Intensified Reinspection Results
Import Residue Plan

Country	Product Class	Compound Class	Number Reported Results	Number Non-Detects	Number Non-Violative Positives	Number Violations
Australia	Beef Fresh	Avermectins	3	3	0	0
		Chloramphenicol	2	2	0	0
		Chlorinated HCs	2	2	0	0
		Chlorinated OPs	2	2	0	0
		Phenylbutazone	2	2	0	0
		Sulfonamides	4	4	0	0
		Total	**15**	**15**	**0**	**0**
New Zealand	Beef Fresh	Antibiotics	1	1	0	0
		Avermectins	4	4	0	0
		Chloramphenicol	1	1	0	0
		Chlorinated HCs	1	1	0	0
		Chlorinated OPs	1	1	0	0
		Phenylbutazone	1	1	0	0
		Sulfonamides	3	3	0	0
		Total	**12**	**12**	**0**	**0**

APPENDIX I

U.S. RESIDUE LIMITS FOR VETERINARY DRUGS, FOOD ADDITIVES AND UNAVOIDABLE CONTAMINANTS IN MEAT, POULTRY, AND EGG PRODUCTS

This appendix has been generated for the convenience of the reader, and if any discrepancies arise between this appendix and the Code of Federal Regulations (CFR), the values from the latter source should be used. Appendix I provides chemical residue limits (tolerances) in tissue by production class and by compound for veterinary drugs, food additives, and unavoidable contaminants in meat, poultry, and egg products. The Food Safety and Inspection Service (FSIS) in its regulatory programs applies chemical residue limits, which are set by the Food and Drug Administration (FDA). The official source of the tolerances is Title 21 of the CFR. Those for veterinary drugs are found in Title 21, Part 556, those for food additives are found in Title 21, Part 172, Section 172.140, and those for unavoidable contaminants are found in, Title 21 Part 109, Section 109.30. All chemical residue limits are provided in units of parts per million (ppm) unless otherwise noted.

Table AI
Residue Limits for Veterinary Drugs, and Unavoidable Contaminants
2004 National Residue Program

Compound	Production Class	Fat (ppm)	Meat (ppm)	Meat[1] by-product (ppm)	Liver (ppm)	Kidney (ppm)	Edible Tissue (ppm)	Reference
2-Acetylamino-5-nitrothiazole	Cattle Goats Hogs Horses Poultry Sheep Eggs						0.1[2]	21 CFR 556.20
Aklomide	Cattle Goats Hogs Horses Poultry[12] Sheep Eggs	3[16]	4.5		4.5			21 CFR 556.30
Albendazole[3]	Cattle Goats Hogs Horses Poultry Sheep Eggs		0.05 0.05		0.2 0.25			21 CFR 556.34
Altrenogest	Cattle Goats Hogs Horses Poultry Sheep Eggs		0.001		0.004			21 CFR 556.36

Table AI - *Continued*
Residue Limits for Veterinary Drugs, Food Additives, and Unavoidable Contaminants
2004 National Residue Program

Compound	Production Class	Fat (ppm)	Meat (ppm)	Meat[1] by-product (ppm)	Liver (ppm)	Kidney (ppm)	Edible Tissue (ppm)	Reference
Amoxicillin	Cattle Goats Hogs Horses Poultry Sheep Eggs						0.01	21 CFR 556.38
Ampicillin	Cattle Goats Hogs Horses Poultry Sheep Eggs						0.01 0.01	21 CFR 556.40
Amprolium	Cattle Goats Hogs Horses Poultry Sheep Eggs	2.0	0.5 0.5[4]		0.5 1	0.5 1[5]	 4[6], 8[7]	21 CFR 556.50
Apramycin	Cattle Goats Hogs Horses Poultry Sheep Eggs					0.1		21 CFR 556.52

Table AI - *Continued*
Residue Limits for Veterinary Drugs, Food Additives, and Unavoidable Contaminants
2004 National Residue Program

Compound	Production Class	Fat (ppm)	Meat (ppm)	Meat[1] by-product (ppm)	Liver (ppm)	Kidney (ppm)	Edible Tissue (ppm)	Reference
Arsenic	Cattle Goats Hogs Horses Poultry[5] Sheep Eggs		0.5 0.5	0.5 2	2	2	0.5	21 CFR 556.60
Bacitracin	Cattle Goats Hogs Horses Poultry Sheep Eggs						0.5 0.5 0.5[8] 0.5	21 CFR 556.70
Bambermycin	Cattle[9] Goats Hogs Horses Poultry[9] Sheep Eggs							
Buquinolate[12]	Cattle Goats Hogs Horses Poultry Sheep Eggs	0.4[16]	0.1		0.4	0.4	0.5[7],.2[6]	21 CFR 556.90

Table AI - *Continued*
Residue Limits for Veterinary Drugs, Food Additives, and Unavoidable Contaminants
2004 National Residue Program

Compound	Production Class	Fat (ppm)	Meat (ppm)	Meat[1] by-product (ppm)	Liver (ppm)	Kidney (ppm)	Edible Tissue (ppm)	Reference
Carbadox[35]	Cattle Goats Hogs Horses Poultry Sheep Eggs				0.03			21 CFR 556.100
Carbomycin[36]	Cattle Goats Hogs Horses Poultry Sheep Eggs							21 CFR 556.110
Ceftiofur[10]	Cattle Goats Hogs Horses Poultry[9] Sheep[9] Eggs		1[31] 2		2 3	8 0.25		21 CFR 556.113
Cephapirin	Cattle Goats Hogs Horses Poultry Sheep Eggs						0.1	21 CFR 556.115

Table AI - *Continued*
Residue Limits for Veterinary Drugs, Food Additives, and Unavoidable Contaminants
2004 National Residue Program

Compound	Production Class	Fat (ppm)	Meat (ppm)	Meat[1] by-product (ppm)	Liver (ppm)	Kidney (ppm)	Edible Tissue (ppm)	Reference
Chlorhexidine	Cattle Goats Hogs Horses Poultry Sheep Eggs						0[23]	21 CFR 556.120
Chlortetra-cycline[11]	Cattle Goats Hogs Horses Poultry[38] Sheep Eggs	12 12 12 12	2 2 2 2		6 6 6 6	12 12 12 12	0.4	21 CFR 556.150
Clopidol	Cattle Goats Hogs Horses Poultry Sheep Eggs		0.2 0.2 5 0.2		1.5 1.5 15 1.5	3 3 15 3	0.2	21 CFR 556.160
Clorsulon	Cattle Goats Hogs Horses Poultry Sheep Eggs		0.1			1		21 CFR 556.163

Table AI - *Continued*
Residue Limits for Veterinary Drugs, Food Additives, and Unavoidable Contaminants
2004 National Residue Program

Compound	Production Class	Fat (ppm)	Meat (ppm)	Meat[1] by-product (ppm)	Liver (ppm)	Kidney (ppm)	Edible Tissue (ppm)	Reference
Cloxacillin	Cattle Goats Hogs Horses Poultry Sheep Eggs						0.01	21 CFR 556.165
Colistimethate	Cattle Goats Hogs Horses Poultry [9] Sheep Eggs							21 CFR 556.167
Danofloxacin	Cattle[27] Goats Hogs Horses Poultry Sheep Eggs		0.2		0.2			21 CFR 556.169
Decoquinate	Cattle Goats Hogs Horses Poultry[12] Sheep Eggs	2 2 2	1 1 1	2 2 2	2 2 2	2 2 2		21 CFR 556.170

Table AI - *Continued*
Residue Limits for Veterinary Drugs, Food Additives, and Unavoidable Contaminants
2004 National Residue Program

Compound	Production Class	Fat (ppm)	Meat (ppm)	Meat[1] by-product (ppm)	Liver (ppm)	Kidney (ppm)	Edible Tissue (ppm)	Reference
Dichlorvos	Cattle Goats Hogs Horses Poultry Sheep Eggs						0.1	21 CFR 556.180
Diclazuril	Cattle Goats Hogs Horses Poultry[5] Sheep Eggs	1[16]	0.5		3			21 CFR 556.185
Dihydro-streptomycin	Cattle Goats Hogs Horses Poultry Sheep Eggs	0.5 0.5	0.5 0.5	0.5 0.5	0.5 0.5	2.0 2.0		21 CFR 556.200
3,5-Dinitro-benzamide	Cattle Goats Hogs Horses Poultry Sheep Eggs						0	21 CFR 556.220

Table AI - *Continued*
Residue Limits for Veterinary Drugs, Food Additives, and Unavoidable Contaminants
2004 National Residue Program

Compound	Production Class	Fat (ppm)	Meat (ppm)	Meat[1] by-product (ppm)	Liver (ppm)	Kidney (ppm)	Edible Tissue (ppm)	Reference
Doramectin[27,32,33]	Cattle Goats Hogs Horses Poultry Sheep Eggs		0.03		0.1 0.16			21 CFR 556.225
Enrofloxacin	Cattle Goats Hogs Horses Poultry Sheep Eggs				0.1[13]			21 CFR 556.228
Eprinomectin	Cattle Goats Hogs Horses Poultry Sheep Eggs		0.1		4.8			21 CFR 556.227
Erythromycin	Cattle Goats Hogs Horses Poultry Sheep Eggs						0.1 0.1 0.125 0.025	21 CFR 556.230

Table AI - *Continued*
Residue Limits for Veterinary Drugs, Food Additives, and Unavoidable Contaminants
2004 National Residue Program

Compound	Production Class	Fat (ppm)	Meat (ppm)	Meat[1] by-product (ppm)	Liver (ppm)	Kidney (ppm)	Edible Tissue (ppm)	Reference
Estradiol benzoate and related esters[14]	Cattle	480[14,28]	120[14,28]		240[14,28]	360[14,28]		21 CFR 556.240
	Goats							
	Hogs							
	Horses							
	Poultry							
	Sheep	600[14]	120[14]		600[14]	600[14]		
	Eggs							
Ethopabate	Cattle							21 CFR 556.260
	Goats							
	Hogs							
	Horses							
	Poultry[12]		0.5		1.5	1.5		
	Sheep							
	Eggs							
Ethoxyquin	Cattle	5	0.5					21 CFR 172.140
	Goats	5	0.5					
	Hogs	5	0.5					
	Horses	5	0.5					
	Poultry	3	0.5		3			
	Sheep	5	0.5					
	Eggs						0.5	
Famphur	Cattle	0.1	0.1	0.1				21 CFR 556.273
	Goats							
	Hogs							
	Horses							
	Poultry							
	Sheep							
	Eggs							

Table AI - *Continued*
Residue Limits for Veterinary Drugs, Food Additives, and Unavoidable Contaminants
2004 National Residue Program

Compound	Production Class	Fat (ppm)	Meat (ppm)	Meat[1] by-product (ppm)	Liver (ppm)	Kidney (ppm)	Edible Tissue (ppm)	Reference
Fenbendazole	Cattle Goats Hogs Horses Poultry Sheep Eggs		0.4 0.4 2 2		0.8 0.8 6 6			21 CFR 556.275
Fenprostalene	Cattle Goats Hogs Horses Poultry Sheep Eggs							21 CFR 556.277
Florfenicol	Cattle Goats Hogs Horses Poultry Sheep Eggs		0.3 0.2		3.7 2.5			21 CFR 556.283
Flunixin meglumine	Cattle[29] Goats Hogs Horses Poultry Sheep Eggs		0.025		0.125			21 CFR 556.286

Table AI - *Continued*
Residue Limits for Veterinary Drugs, Food Additives, and Unavoidable Contaminants
2004 National Residue Program

Compound	Production Class	Fat (ppm)	Meat (ppm)	Meat[1] by-product (ppm)	Liver (ppm)	Kidney (ppm)	Edible Tissue (ppm)	Reference
Furazolidone	Cattle Goats Hogs Horses Poultry Sheep Eggs						0	21 CFR 556.290
Gentamicin sulfate	Cattle Goats Hogs Horses Poultry Sheep Eggs	0.4	0.1		0.3	0.4	0.1	21 CFR 556.300
Gonadotropin[37]	Cattle Goats Hogs Horses Poultry Sheep Eggs							21 CFR 556.304
Halofuginone hydrobromide	Cattle Goats Hogs Horses Poultry Sheep Eggs				0.16,0.13[2]			21 CFR 556.308

Table AI - *Continued*
Residue Limits for Veterinary Drugs, Food Additives, and Unavoidable Contaminants
2004 National Residue Program

Compound	Production Class	Fat (ppm)	Meat (ppm)	Meat[1] by-product (ppm)	Liver (ppm)	Kidney (ppm)	Edible Tissue (ppm)	Reference
Haloxon	Cattle Goats Hogs Horses Poultry Sheep Eggs						0.1	21 CFR 556.310
Hygromycin B	Cattle Goats Hogs Horses Poultry Sheep Eggs						0 0 0	21 CFR 556.330
Ivermectin	Cattle Goats Hogs Horses Poultry Sheep Eggs		0.01 0.02		0.1, .015[15] 0.02 0.03			21 CFR 556.344
Laidlomycin	Cattle Goats Hogs Horses Poultry Sheep Eggs				0.2			21 CFR 556.346

Table AI - *Continued*
Residue Limits for Veterinary Drugs, Food Additives, and Unavoidable Contaminants
2004 National Residue Program

Compound	Production Class	Fat (ppm)	Meat (ppm)	Meat[1] by-product (ppm)	Liver (ppm)	Kidney (ppm)	Edible Tissue (ppm)	Reference
Lasalocid	Cattle Goats Hogs Horses Poultry Sheep Eggs Rabbit	1.2[12,16],0.4[2,16]			0.7 0.4 1.0 0.7			21 CFR 556.347
Levamisole hydrochloride	Cattle[30] Goats Hogs Horses Poultry Sheep Eggs						0.1 0.1 0.1	21 CFR 556.350
Lincomycin	Cattle Goats Hogs Horses Poultry[12,9] Sheep Eggs		0.1		0.6			21 CFR 556.360
Maduramicin ammonium	Cattle Goats Hogs Horses Poultry Sheep Eggs	0.38						21 CFR 556.375

Table AI - *Continued*
Residue Limits for Veterinary Drugs, Food Additives, and Unavoidable Contaminants
2004 National Residue Program

Compound	Production Class	Fat (ppm)	Meat (ppm)	Meat[1] by-product (ppm)	Liver (ppm)	Kidney (ppm)	Edible Tissue (ppm)	Reference
Melengestrol acetate	Cattle Goats Hogs Horses Poultry Sheep Eggs	0.025						21 CFR 556.380
Metoserpate hydrochloride	Cattle Goats Hogs Horses Poultry Sheep Eggs						0.02[12]	21 CFR 556.410
Monensin	Cattle Goats Hogs Horses Poultry[17] Sheep Eggs						0.05 0.05	21 CFR 556.420
Morantel tartrate[18]	Cattle Goats Hogs Horses Poultry Sheep Eggs				0.7 0.7			21 CFR 556.425

Table AI - *Continued*
Residue Limits for Veterinary Drugs, Food Additives, and Unavoidable Contaminants
2004 National Residue Program

Compound	Production Class	Fat (ppm)	Meat (ppm)	Meat[1] by-product (ppm)	Liver (ppm)	Kidney (ppm)	Edible Tissue (ppm)	Reference
Moxidectin	Cattle Goats Hogs Horses Poultry Sheep Eggs	0.90	0.05		0.2			21 CFR 556.426
Narasin	Cattle Goats Hogs Horses Poultry Sheep Eggs	0.48						21 CFR 556.428
Neomycin	Cattle[27] Goats Hogs Horses Poultry[2] Sheep Eggs	7.2 7.2 7.2 7.2[16] 7.2	1.2 1.2 1.2 1.2 1.2		3.6 3.6 3.6 3.6 3.6	7.2 7.2 7.2 7.2		21 CFR 556.430
Nequinate	Cattle Goats Hogs Horses Poultry Sheep Eggs						0.1[5]	21 CFR 556.440

Table AI - *Continued*
Residue Limits for Veterinary Drugs, Food Additives, and Unavoidable Contaminants
2004 National Residue Program

Compound	Production Class	Fat (ppm)	Meat (ppm)	Meat[1] by-product (ppm)	Liver (ppm)	Kidney (ppm)	Edible Tissue (ppm)	Reference
Nicarbazin	Cattle Goats Hogs Horses Poultry Sheep Eggs	4[19]	4		4	4		21 CFR 556.445
Novobiocin	Cattle Goats Hogs Horses Poultry[38] Sheep Eggs						1 1	21 CFR 556.460
Nystatin	Cattle Goats Hogs Horses Poultry Sheep Eggs						0 0 0	21 CFR 556.470
Oleandomycin	Cattle Goats Hogs Horses Poultry Sheep Eggs						0.15 0.15[5]	21 CFR 556.480

Table AI - *Continued*
Residue Limits for Veterinary Drugs, Food Additives, and Unavoidable Contaminants
2004 National Residue Program

Compound	Production Class	Fat (ppm)	Meat (ppm)	Meat[1] by-product (ppm)	Liver (ppm)	Kidney (ppm)	Edible Tissue (ppm)	Reference
Ormetoprim	Cattle Goats Hogs Horses Poultry Sheep Eggs						0.1	21 CFR 556.490
Oxfendazole	Cattle[20] Goats Hogs Horses Poultry Sheep Eggs				0.8			21 CFR 556.495
Oxytetracycline	Cattle Goats Hogs Horses Poultry[5] Sheep Eggs	12 12 12 12	2 2 2 2		6 6 6 6	12 12 12 12		21 CFR 556.500
PBB's	Cattle Goats Hogs Horses Poultry Sheep Eggs							FDA revoked, effective January 5,1987, all action levels in meat and poultry

Table AI - *Continued*
Residue Limits for Veterinary Drugs, Food Additives, and Unavoidable Contaminants
2004 National Residue Program

Compound	Production Class	Fat (ppm)	Meat (ppm)	Meat[1] by-product (ppm)	Liver (ppm)	Kidney (ppm)	Edible Tissue (ppm)	Reference
PCB's[21]	Cattle Goats Hogs Horses Poultry Sheep Eggs	 3 0.3[6]						21 CFR 109.30
Penicillin	Cattle Goats Hogs Horses Poultry Sheep Eggs						0.05 0 0[34],.01[2] 0 0[6]	21 CFR 556.510
Pirlimycin	Cattle Goats Hogs Horses Poultry Sheep Eggs		0.3		0.5			21 CFR 556.515
Progesterone	Cattle[39] Goats Hogs Horses Poultry Sheep Eggs	0.012 0.015	0.003 0.003		0.006 0.0015	0.009 0.015		21 CFR 556.540

Table AI - *Continued*
Residue Limits for Veterinary Drugs, Food Additives, and Unavoidable Contaminants
2004 National Residue Program

Compound	Production Class	Fat (ppm)	Meat (ppm)	Meat[1] by-product (ppm)	Liver (ppm)	Kidney (ppm)	Edible Tissue (ppm)	Reference
Pyrantel tartrate	Cattle Goats Hogs Horses Poultry Sheep Eggs		1		10	10		21 CFR 556.560
Ractopamine hydrochloride	Cattle[27] Goats Hogs Horses Poultry Sheep Eggs		0.03 0.05		0.09 0.15			21 CFR 556.570
Robenidine hydrochloride	Cattle Goats Hogs Horses Poultry Sheep Eggs	0.2					0.1	21 CFR 556.580
Spectinomycin	Cattle[27] Goats Hogs Horses Poultry[5] Sheep Eggs		0.25			4	0.1	21 CFR 556.600

Table AI - *Continued*
Residue Limits for Veterinary Drugs, Food Additives, and Unavoidable Contaminants
2004 National Residue Program

Compound	Production Class	Fat (ppm)	Meat (ppm)	Meat[1] by-product (ppm)	Liver (ppm)	Kidney (ppm)	Edible Tissue (ppm)	Reference
Streptomycin	Cattle[23] Goats Hogs Horses Poultry Sheep Eggs	0.5 0.5 0.5	0.5 0.5 0.5	0.5 0.5 0.5	0.5 0.5 0.5	2 2 2	0.5 0.5 0.5	21 CFR 556.610
Sulfabromo-methazine sodium	Cattle Goats Hogs Horses Poultry Sheep Eggs						0.1	21 CFR 556.620
Sulfachloro-pyrazine	Cattle Goats Hogs Horses Poultry Sheep Eggs						0	21 CFR 556.625
Sulfachlor-pyridazine	Cattle Goats Hogs Horses Poultry Sheep Eggs						0.1 0.1	21 CFR 556.630

Table AI - *Continued*
Residue Limits for Veterinary Drugs, Food Additives, and Unavoidable Contaminants
2004 National Residue Program

Compound	Production Class	Fat (ppm)	Meat (ppm)	Meat[1] by-product (ppm)	Liver (ppm)	Kidney (ppm)	Edible Tissue (ppm)	Reference
Sulfadi-methoxine	Cattle Goats Hogs Horses Poultry[38] Sheep Eggs						0.1 0.1	21 CFR 556.640
Sulfaethoxy-pyridazine	Cattle Goats Hogs Horses Poultry Sheep Eggs						0.1 0	21 CFR 556.650
Sulfamethazine	Cattle Goats Hogs Horses Poultry Sheep Eggs						0.1 0.1 0.1	21 CFR 556.670
Sulfanitran	Cattle Goats Hogs Horses Poultry Sheep Eggs						 0	21 CFR 556.680

Table AI - *Continued*
Residue Limits for Veterinary Drugs, Food Additives, and Unavoidable Contaminants
2004 National Residue Program

Compound	Production Class	Fat (ppm)	Meat (ppm)	Meat[1] by-product (ppm)	Liver (ppm)	Kidney (ppm)	Edible Tissue (ppm)	Reference
Sulfaquinoxaline	Cattle Goats Hogs Horses Poultry[5] Sheep Eggs						0.1 0.1	21 CFR 556.685
Sulfathiazole	Cattle Goats Hogs Horses Poultry Sheep Eggs						0.1	21 CFR 556.690
Sulfomyxin	Cattle Goats Hogs Horses Poultry[5] Sheep Eggs						0	21 CFR 556.700
Testosterone propionate	Cattle[22] Goats Hogs Horses Poultry Sheep Eggs	0.0026	0.00064		0.0013	0.0019		21 CFR 556.710

Table AI - *Continued*
Residue Limits for Veterinary Drugs, Food Additives, and Unavoidable Contaminants
2004 National Residue Program

Compound	Production Class	Fat (ppm)	Meat (ppm)	Meat[1] by-product (ppm)	Liver (ppm)	Kidney (ppm)	Edible Tissue (ppm)	Reference
Tetracycline	Cattle[23]	12	2		6	12		21 CFR 556.720
	Goats							
	Hogs	12	2		6	12		
	Horses							
	Poultry[5]	12	2		6	12		
	Sheep	12	2		6	12		
	Eggs							
Thiabendazole	Cattle						0.1	21 CFR 556.730
	Goats						0.1	
	Hogs						0.1	
	Horses							
	Poultry[24]						0.1	
	Sheep						0.1	
	Eggs							
Tiamulin	Cattle							21 CFR 556.738
	Goats							
	Hogs				0.6[25]			
	Horses							
	Poultry							
	Sheep							
	Eggs							
Tilmicosin	Cattle		0.1		1.2			21 CFR 556.735
	Goats							
	Hogs		0.1		7.5			
	Horses							
	Poultry							
	Sheep		0.1		1.2			
	Eggs							

Table AI - *Continued*
Residue Limits for Veterinary Drugs, Food Additives, and Unavoidable Contaminants
2004 National Residue Program

Compound	Production Class	Fat (ppm)	Meat (ppm)	Meat[1] by-product (ppm)	Liver (ppm)	Kidney (ppm)	Edible Tissue (ppm)	Reference
Trenbolone	Cattle[40, 27] Goats Hogs Horses Poultry Sheep Eggs							21 CFR 556.739
Tripelennamine	Cattle Goats Hogs Horses Poultry Sheep Eggs						0.2	21 CFR 556.741
Tulathromycin	Cattle Goats Hogs Horses Poultry Sheep Eggs				5.5	15		21 CFR 556.745
Tylosin	Cattle Goats Hogs Horses Poultry[5] Sheep Eggs	0.2 0.2 0.2	0.2 0.2 0.2		0.2 0.2 0.2	0.2 0.2 0.2	0.2[6]	21 CFR 556.740

Table AI - *Continued*
Residue Limits for Veterinary Drugs, Food Additives, and Unavoidable Contaminants
2004 National Residue Program

Compound	Production Class	Fat (ppm)	Meat (ppm)	Meat[1] by-product (ppm)	Liver (ppm)	Kidney (ppm)	Edible Tissue (ppm)	Reference
Virginiamycin	Cattle[9] Goats Hogs Horses Poultry[9] Sheep Eggs	0.4	0.1		0.3	0.4		21 CFR 556.750
Zeranol	Cattle[9,27] Goats Hogs Horses Poultry Sheep Eggs						0.02	21 CFR 556.760
Zoalene[26]	Cattle Goats Hogs Horses Poultry Sheep Eggs	2	3		6, 3	6		21 CFR 556.770

[1] Unless otherwise indicated meat by product includes liver and kidney
[2] Turkey only
[3] Marker residue: albendazole 2-aminosulfone
[4] Chicken, turkey and pheasants
[5] Chicken and turkey
[6] Whole egg
[7] Egg yolk
[8] Chicken, turkey, pheasants and quails

[9] No tolerance required
[10] Marker residue is desfuroylceftiofur
[11] Tolerances are for the sum of all approved tetracycline residues (i.e., tetracycline, chlortetracycline, and oxytetracyline)
[12] Chicken only
[13] Marker desethylene ciprofloxacin
[14] Tolerance in parts per trillion
[15] American bison and reindeer
[16] Skin with adhering fat
[17] Chicken, turkey, and quail
[18] N-methyl-1,3-propanediamine
[19] Skin
[20] Marker residue is fenbendazole
[21] Temporary
[22] Heifers; no residues are permitted at concentrations above these, which represent the levels naturally present in untreated animals
[23] Calves
[24] Pheasants only
[25] Marker residue is 8-alphahydroxymutilin
[26] Tolerances are established for residues of zoalene (3,5-dinitro-o- toluamide) and its metabolite 3-amino-5-nitro-o-toluamide
[27] For bob veal, formula fed veal, and non-formula fed veal there is a zero tolerance
[28] For use in heifers, steers, and calves. Do not use in calves intended for reproduction or calves less than 30 days old. Do not use in calves to be processed for veal. For bob veal, formula fed veal, and non-formula fed veal there is a zero tolerance
[29] For dairy cows, bob veal, formula fed veal, and non-formula fed veal, the tolerances are zero
[30] Not for use in dairy animals of breeding age
[31] Injection site muscle tolerance is 166 ppm
[32] Do not slaughter cattle within 45 days of latest treatment in the ophthalmic and topical form
[33] Not for use in female dairy cattle 20 months of age or older
[34] Chicken, pheasants, quail
[35] Marker residue is quinoxaline-2-carboxylic acid
[36] A tolerance of zero has been established for carbomycin in the uncooked edible tissues of chickens
[37] A tolerance is not required for gonadotropin in uncooked edible tissues of cattle
[38] Chicken, turkey, and duck
[39] Steers and calves
[40] A tolerance for total trenbolone residues in uncooked edible tissues of cattle is not needed

APPENDIX II

U.S. RESIDUE LIMITS FOR PESTICIDES IN MEAT, POULTRY, AND EGG PRODUCTS

This appendix has been generated for the convenience of the reader, and if any discrepancies arise between this appendix and the Code of Federal Regulations (CFR) or Federal Register (FR), the values from the latter two sources should be used. Appendix II provides the chemical residue limits (tolerances and action levels) in each tissue by production class and by compound for pesticides in meat, poultry, and egg products. The Food Safety and Inspection Service (FSIS) in its regulatory programs apply chemical residue limits set by the Environmental Protection Agency (EPA). The official source of these tolerances is Title 40, Part 180 of the CFR. In addition, EPA may establish action levels, which are published in the FR. All chemical residue limits are provided in units of parts per million (ppm) unless otherwise noted.

Table AII
U.S. Residue Limits For Pesticides In Meat, Poultry, and Egg Products
2004 FSIS National Residue Program

Compound	*Production Class*	*Fat (ppm)*	*Meat (ppm)*	*Meat By-product (ppm)*	*Liver (ppm)*	*Kidney (ppm)*	*Reference*
Abamectin	Cattle	0.015	0.02	0.02			40 CFR 180.449
	Goats						
	Hogs						
	Horses						
	Poultry						
	Sheep						
	Eggs						
Acephate	Cattle	0.1	0.1	0.1			40 CFR 180.108
	Goats	0.1	0.1	0.1			
	Hogs	0.1	0.1	0.1			
	Horses	0.1	0.1	0.1			
	Poultry	0.1	0.1	0.1			
	Sheep	0.1	0.1	0.1			
	Eggs						
Acequinocyl	Cattle	0.05			0.05		40 CFR 180.599
	Goats	0.05			0.05		
	Hogs						
	Horses	0.05			0.05		
	Poultry						
	Sheep	0.05			0.05		
	Eggs						
Alachlor	Cattle	0.02	0.02	0.02			40 CFR 180.249
	Goats	0.02	0.02	0.02			
	Hogs	0.02	0.02	0.02			
	Horses	0.02	0.02	0.02			
	Poultry	0.02	0.02	0.02			
	Sheep	0.02	0.02	0.02			
	Eggs						
Aldrin	Cattle	0.3[1]					51 FR 46662
	Goats	0.3[1]					
	Hogs	0.3[1]					
	Horses	0.3[1]					
	Poultry	0.3[1]					
	Sheep	0.3[1]					
	Eggs						

Table AII - *Continued*
U.S. Residue Limits For Pesticides In Meat, Poultry, and Egg Products
2004 FSIS National Residue Program

Compound	*Production Class*	*Fat (ppm)*	*Meat (ppm)*	*Meat By-product (ppm)*	*Liver (ppm)*	*Kidney (ppm)*	*Reference*
	Cattle	0.01	0.01	0.1[5]	1.0		
	Goats	0.01	0.01	0.1[5]	1.0		
	Hogs	0.01	0.01	0.1[5]	1.0		
Amicarbazone	Horses	0.01	0.01	0.1[5]	1.0		40 CFR 180.615
	Poultry				1.0		
	Sheep	0.01	0.01	0.1[5]	1.0		
	Eggs						
	Cattle	0.02	0.02	0.02[4]		0.3	
	Goats	0.02	0.02	0.02[4]		0.3	
	Hogs						
Aminopyralid	Horses	0.02	0.02	0.02[4]		0.3	40 CFR 180.610
	Poultry						
	Sheep	0.02	0.02	0.02[4]		0.3	
	Eggs						
	Cattle	0.1	0.05	0.3			
	Goats	0	0	0			
	Hogs	0.1	0.05	0.3	0.2	0.2	
Amitraz	Horses	0	0	0			40 CFR 180.287
	Poultry	0.01	0.01	0.05			
	Sheep	0	0	0			
	Eggs						
	Cattle	0.02	0.02	0.02			
	Goats	0.02	0.02	0.02			
	Hogs						
Atrazine	Horses	0.02	0.02	0.02			40 CFR 180.220
	Poultry						
	Sheep	0.02	0.02	0.02			
	Eggs						
	Cattle	0.03	0.01	0.07			
	Goats	0.03	0.01	0.07			
	Hogs	0.01	0.01	0.01			
Azoxystrobin	Horses	0.03	0.01	0.07			40 CFR 180.507
	Poultry						
	Sheep	0.03	0.01	0.07			
	Eggs						

Table AII - *Continued*
U.S. Residue Limits For Pesticides In Meat, Poultry, and Egg Products
2004 FSIS National Residue Program

Compound	*Production Class*	*Fat (ppm)*	*Meat (ppm)*	*Meat By-product (ppm)*	*Liver (ppm)*	*Kidney (ppm)*	*Reference*
Benomyl	Cattle	0.1	0.1	0.1			40 CFR 180.294
	Goats	0.1	0.1	0.1			
	Hogs	0.1	0.1	0.1			
	Horses	0.1	0.1	0.1			
	Poultry	0.1	0.1	0.1	0.2		
	Sheep	0.1	0.1	0.1			
	Eggs	0.01[Whl]					
Benoxacor	Cattle	0.01	0.01	0.01	0.01	0.01	40 CFR 180.460
	Goats	0.01	0.01	0.01	0.01	0.01	
	Hogs	0.01	0.01	0.01	0.01	0.01	
	Horses	0.01	0.01	0.01	0.01	0.01	
	Poultry	0.01	0.01	0.01	0.01		
	Sheep	0.01	0.01	0.01	0.01	0.01	
	Eggs	0.01 [Whl]					
Bentazon	Cattle	0.05	0.05	0.05			40 CFR 180.355
	Goats	0.05	0.05	0.05			
	Hogs	0.05	0.05	0.05			
	Horses						
	Poultry	0.05	0.05	0.05			
	Sheep	0.05	0.05	0.05			
	Eggs						
Benzene hexachloride	Cattle	0.3[1]					51 FR 25697
	Goats	0.3[1]					
	Hogs	0.3[1]					
	Horses	0.3[1]					
	Poultry	0.3[1]					
	Sheep	0.3[1]					
	Eggs						
Bifenazate	Cattle	0.1	0.02	0.02			40 CFR 180.572
	Goats	0.1	0.02	0.02			
	Hogs	0.1	0.02	0.02			
	Horses	0.1	0.02	0.02			
	Poultry						
	Sheep	0.1	0.02	0.02			
	Eggs						

Table AII - *Continued*
U.S. Residue Limits For Pesticides In Meat, Poultry, and Egg Products
2004 FSIS National Residue Program

Compound	*Production Class*	*Fat (ppm)*	*Meat (ppm)*	*Meat By-product (ppm)*	*Liver (ppm)*	*Kidney (ppm)*	*Reference*
Bifenthrin	Cattle	1.0	0.5	0.1			40 CFR 180.442
	Goats	1.0	0.5	0.1			
	Hogs	1.0	0.5	0.1			
	Horses	1.0	0.5	0.1			
	Poultry	0.05	0.05	0.05			
	Sheep	1.0	0.5	0.1			
	Eggs	0.05 Whl					
Boscalid	Cattle	0.30	0.10	0.35			40 CFR 180.589
	Goats	0.30	0.10	0.35			
	Hogs	0.10	0.05	0.10			
	Horses	0.30	0.10	0.35			
	Poultry	0.05	0.05	0.10			
	Sheep	0.30	0.10	0.35			
	Eggs	0.02 Whl					
Bromoxynil	Cattle	1	0.5	3.5			40 CFR 180.324
	Goats	1	0.5	3.5			
	Hogs	1	0.5	3.5			
	Horses	1	0.5	3.5			
	Poultry	0.05	0.05	0.03			
	Sheep	1	0.5	3.5			
	Eggs	0.05 Whl					
Buprofezin	Cattle	0.05	0.05	0.05	0.05	0.05	40 CFR 180.511
	Goats	0.05	0.05	0.05	0.05	0.05	
	Hogs	0.05	0.05	0.05	0.05	0.05	
	Horses	0.05	0.05	0.05	0.05	0.05	
	Poultry						
	Sheep	0.05	0.05	0.05	0.05	0.05	
	Eggs						
Captan	Cattle	0.05	0.05	0.05			40 CFR 180.103
	Goats						
	Hogs	0.05	0.05	0.05			
	Horses						
	Poultry						
	Sheep						
	Eggs						

Table AII - *Continued*
U.S. Residue Limits For Pesticides In Meat, Poultry, and Egg Products
2004 FSIS National Residue Program

Compound	*Production Class*	*Fat (ppm)*	*Meat (ppm)*	*Meat By-product (ppm)*	*Liver (ppm)*	*Kidney (ppm)*	*Reference*
Carbaryl	Cattle	0.1	0.1	0.1	1	1	40 CFR 180.169
	Goats	0.1	0.1	0.1	1	1	
	Hogs	0.1	0.1	0.1	1	1	
	Horses	0.1	0.1	0.1	1	1	
	Poultry	5.0	5.0				
	Sheep	0.1	0.1	0.1	1	1	
	Eggs	0.5 [Whl]					
Carboxin	Cattle	0.1	0.1	0.1			40 CFR 180.301
	Goats	0.1	0.1	0.1			
	Hogs	0.1	0.1	0.1			
	Horses	0.1	0.1	0.1			
	Poultry	0.1	0.1	0.1			
	Sheep	0.1	0.1	0.1			
	Eggs	0.01 [Whl]					
Chlordane	Cattle	0.3 [1]					51 FR 46665
	Goats	0.3 [1]					
	Hogs	0.3 [1]					
	Horses	0.3 [1]					
	Poultry	0.3 [1]					
	Sheep	0.3 [1]					
	Eggs						
2-Chloro-N-isopropylacetanilide [Propachlor]	Cattle	0.02	0.02	0.02			40 CFR 180.211
	Goats	0.02	0.02	0.02			
	Hogs	0.02	0.02	0.02			
	Horses	0.02	0.02	0.02			
	Poultry	0.02	0.02	0.02			
	Sheep	0.02	0.02	0.02			
	Eggs						
Chloroneb	Cattle	0.2	0.2	0.2			40 CFR 180.257
	Goats	0.2	0.2	0.2			
	Hogs	0.2	0.2	0.2			
	Horses	0.2	0.2	0.2			
	Poultry						
	Sheep	0.2	0.2	0.2			
	Eggs						

Table AII - *Continued*
U.S. Residue Limits For Pesticides In Meat, Poultry, and Egg Products
2004 FSIS National Residue Program

Compound	*Production Class*	*Fat (ppm)*	*Meat (ppm)*	*Meat By-product (ppm)*	*Liver (ppm)*	*Kidney (ppm)*	*Reference*
Chlorpyrifos-methyl	Cattle	0.5	0.5	0.5			40 CFR 180.419
	Goats	0.5	0.5	0.5			
	Hogs	0.5	0.5	0.5			
	Horses	0.5	0.5	0.5			
	Poultry	0.5	0.5	0.5			
	Sheep	0.5	0.5	0.5			
	Eggs						
Chlorsulfuron	Cattle	0.3	0.3	0.3			40 CFR 180.405
	Goats	0.3	0.3	0.3			
	Hogs	0.3	0.3	0.3			
	Horses	0.3	0.3	0.3			
	Poultry						
	Sheep	0.3	0.3	0.3			
	Eggs						
Clethodim	Cattle	0.2	0.2	0.2			40 CFR 180.458
	Goats	0.2	0.2	0.2			
	Hogs	0.2	0.2	0.2			
	Horses	0.2	0.2	0.2			
	Poultry	0.2	0.2	0.2			
	Sheep	0.2	0.2	0.2			
	Eggs	0.2 [Whl]					
Clofencet	Cattle	0.04	0.15	0.5		10.0	40 CFR 180.497
	Goats	0.04	0.15	0.5		10.0	
	Hogs	0.04	0.15	0.5		10.0	
	Horses	0.04	0.15	0.5		10.0	
	Poultry	0.04	0.15	0.2			
	Sheep	0.04	0.15	0.5		10.0	
	Eggs						
Clofentezine	Cattle	0.05	0.05	0.05	0.4		40 CFR 180.446
	Goats	0.05	0.05	0.05	0.4		
	Hogs	0.05	0.05	0.05	0.4		
	Horses	0.05	0.05	0.05	0.4		
	Poultry						
	Sheep	0.05	0.05	0.05	0.4		
	Eggs						

Table AII - *Continued*
U.S. Residue Limits For Pesticides In Meat, Poultry, and Egg Products
2004 FSIS National Residue Program

Compound	*Production Class*	*Fat (ppm)*	*Meat (ppm)*	*Meat By-product (ppm)*	*Liver (ppm)*	*Kidney (ppm)*	*Reference*
Clopyralid	Cattle	1.0	1.0	36.0[5]	3.0		40 CFR 180.431
	Goats	1.0	1.0	36.0[5]	3.0		
	Hogs	0.2	0.2	0.2			
	Horses	1.0	1.0	36.0[5]	3.0		
	Poultry	0.2	0.2	0.2			
	Sheep	1.0	1.0	36.0[5]	3.0		
	Eggs						
Coumaphos	Cattle	1	1	1			40 CFR 180.189
	Goats	1	1	1			
	Hogs	1	1	1			
	Horses	1	1	1			
	Poultry						
	Sheep	1	1	1			
	Eggs						
Cuprous oxide	Cattle		Exempt				40 CFR 180.1021
	Goats		Exempt				
	Hogs		Exempt				
	Horses		Exempt				
	Poultry		Exempt				
	Sheep		Exempt				
	Eggs		Exempt				
Cyclanilide	Cattle	0.1	0.02	0.2		2.0	40 CFR 180.506
	Goats	0.1	0.02	0.2		2.0	
	Hogs	0.1	0.02	0.2		2.0	
	Horses	0.1	0.02	0.2		2.0	
	Poultry						
	Sheep	0.1	0.02	0.2		2.0	
	Eggs						
Cyfluthrin	Cattle	10.0	0.4	0.4			40 CFR 180.436
	Goats	10.0	0.4	0.4			
	Hogs	10.0	0.4	0.4			
	Horses	10.0	0.4	0.4			
	Poultry	0.01	0.01	0.01			
	Sheep	10.0	0.4	0.4			
	Eggs	0.01 [Whl]					

Table AII - *Continued*
U.S. Residue Limits For Pesticides In Meat, Poultry, and Egg Products
2004 FSIS National Residue Program

Compound	*Production Class*	*Fat (ppm)*	*Meat (ppm)*	*Meat By-product (ppm)*	*Liver (ppm)*	*Kidney (ppm)*	*Reference*
Cyhexatin	Cattle	0.2	0.2	0.2	0.5	0.5	40 CFR 180.144
	Goats	0.2	0.2	0.2	0.5	0.5	
	Hogs	0.2	0.2	0.2	0.5	0.5	
	Horses	0.2	0.2	0.2	0.5	0.5	
	Poultry						
	Sheep	0.2	0.2	0.2	0.5	0.5	
	Eggs						
Cypermethrin	Cattle	0.05	0.05	0.05			40 CFR 180.418
	Goats	0.05	0.05	0.05			
	Hogs	0.05	0.05	0.05			
	Horses	0.05	0.05	0.05			
	Poultry						
	Sheep	0.05	0.05	0.05			
	Eggs						
Cyromazine	Cattle	0.05	0.05	0.05		0.2	40 CFR 180.414
	Goats	0.05	0.05	0.05		0.2	
	Hogs	0.05	0.05	0.05		0.2	
	Horses	0.05	0.05	0.05		0.2	
	Poultry	0.05	0.05	0.05			
	Sheep	0.05	0.05	0.05		0.2	
	Eggs	0.25 Whl					
DDT & metabolites	Cattle	5.0[1]					51 FR 46658
	Goats	5.0[1]					
	Hogs	5.0[1]					
	Horses	5.0[1]					
	Poultry	5.0[1]					
	Sheep	5.0[1]					
	Eggs						
Deltamethrin	Cattle	0.05	0.02	0.05			40 CFR 180.435
	Goats	0.05	0.02	0.05			
	Hogs	0.05					
	Horses	0.05	0.02	0.05			
	Poultry	0.05	0.02	0.05			
	Sheep	0.05	0.02	0.05			
	Eggs	0.02 Whl					

Table AII - *Continued*
U.S. Residue Limits For Pesticides In Meat, Poultry, and Egg Products
2004 FSIS National Residue Program

Compound	*Production Class*	*Fat (ppm)*	*Meat (ppm)*	*Meat By-product (ppm)*	*Liver (ppm)*	*Kidney (ppm)*	*Reference*
Diazinon	Cattle						40 CFR 180.153
	Goats						
	Hogs						
	Horses						
	Poultry	0.7					
	Sheep		0.7	0.7			
	Eggs						
Dicamba	Cattle	0.2	0.2	0.2	1.5	1.5	40 CFR 180.227
	Goats	0.2	0.2	0.2	1.5	1.5	
	Hogs	0.2	0.2	0.2	1.5	1.5	
	Horses	0.2	0.2	0.2	1.5	1.5	
	Poultry						
	Sheep	0.2	0.2	0.2	1.5	1.5	
	Eggs						
2,4-Dichlorophenoxyacetic acid	Cattle	0.2	0.2	0.2		2	40 CFR 180.142
	Goats	0.2	0.2	0.2		2	
	Hogs	0.2	0.2	0.2		2	
	Horses	0.2	0.2	0.2		2	
	Poultry	0.05	0.05	0.05			
	Sheep	0.2	0.2	0.2		2	
	Eggs	0.05 [Whl]					
3,4-Dichloropropionanilide	Cattle	0.1	0.1	0.1			40 CFR 180.274
	Goats	0.1	0.1	0.1			
	Hogs	0.1	0.1	0.1			
	Horses	0.1	0.1	0.1			
	Poultry	0.1	0.1	0.1			
	Sheep	0.1	0.1	0.1			
	Eggs	0.05 [Whl]					
Dichlorvos	Cattle	0.02	0.02	0.02			40 CFR 180.235
	Goats	0.02	0.02	0.02			
	Hogs	0.1	0.1	0.1			
	Horses	0.02	0.02	0.02			
	Poultry	0.05	0.05	0.05			
	Sheep	0.02	0.02	0.02			
	Eggs	0.05 [Whl]					

Table AII - *Continued*
U.S. Residue Limits For Pesticides In Meat, Poultry, and Egg Products
2004 FSIS National Residue Program

Compound	*Production Class*	*Fat (ppm)*	*Meat (ppm)*	*Meat By-product (ppm)*	*Liver (ppm)*	*Kidney (ppm)*	*Reference*
Dieldrin	Cattle	0.3[1]					51 FR 46662
	Goats	0.3[1]					
	Hogs	0.3[1]					
	Horses	0.3[1]					
	Poultry	0.3[1]					
	Sheep	0.3[1]					
	Eggs						
Difenoconazole	Cattle	0.05	0.05	0.05			40 CFR 180.475
	Goats	0.05	0.05	0.05			
	Hogs	0.05	0.05	0.05			
	Horses	0.05	0.05	0.05			
	Poultry	0.05	0.05	0.05			
	Sheep	0.05	0.05	0.05			
	Eggs	0.05 [Whl]					
Difenzoquat	Cattle	0.05	0.05	0.05			40 CFR 180.369
	Goats	0.05	0.05	0.05			
	Hogs	0.05	0.05	0.05			
	Horses	0.05	0.05	0.05			
	Poultry	0.05	0.05	0.05			
	Sheep	0.05	0.05	0.05			
	Eggs						
Diflubenzuron	Cattle	0.05	0.05	0.15			40 CFR 180.377
	Goats	0.05	0.05	0.15			
	Hogs	0.05	0.05	0.15			
	Horses	0.05	0.05	0.15			
	Poultry	0.05	0.05	0.05			
	Sheep	0.05	0.05	0.15			
	Eggs	0.05 [Whl]					
2,6-Diisopropylnaphthalene	Cattle		1.35	1.35			40 CFR 180.590
	Goats		1.35	1.35			
	Hogs		1.35	1.35			
	Horses		1.35	1.35			
	Poultry		1.35	1.35			
	Sheep		1.35	1.35			
	Eggs						

Table AII - *Continued*
U.S. Residue Limits For Pesticides In Meat, Poultry, and Egg Products
2004 FSIS National Residue Program

Compound	*Production Class*	*Fat (ppm)*	*Meat (ppm)*	*Meat By-product (ppm)*	*Liver (ppm)*	*Kidney (ppm)*	*Reference*
Dimethipin	Cattle	0.02	0.02	0.02			40 CFR 180.406
	Goats	0.02	0.02	0.02			
	Hogs	0.02	0.02	0.02			
	Horses	0.02	0.02	0.02			
	Poultry						
	Sheep	0.02	0.02	0.02			
	Eggs						
Dimethoate	Cattle			0.02			40 CFR 180.204
	Goats			0.02			
	Hogs			0.02			
	Horses			0.02			
	Poultry			0.02			
	Sheep			0.02			
	Eggs	0.02 [Whl]					
N,N-Dimethylpiperidinium chloride (Mepiquat chloride)	Cattle	0.1	0.1	0.1			40 CFR 180.384
	Goats	0.1	0.1	0.1			
	Hogs	0.1	0.1	0.1			
	Horses	0.1	0.1	0.1			
	Poultry	0.1	0.1	0.1			
	Sheep	0.1	0.1	0.1			
	Eggs	0.05 [Whl]					
Dinotefuran	Cattle	0.05	0.05	0.05			40 CFR 180.603
	Goats	0.05	0.05	0.05			
	Hogs	0.05	0.05	0.05			
	Horses	0.05	0.05	0.05			
	Poultry						
	Sheep	0.05	0.05	0.05			
	Eggs						
Diphenylamine	Cattle	0.01	0.01	0.01	0.10		40 CFR 180.190
	Goats	0.01	0.01	0.01	0.10		
	Hogs						
	Horses	0.01	0.01	0.01	0.10		
	Poultry						
	Sheep	0.01	0.01	0.01	0.10		
	Eggs						

Table AII - *Continued*
U.S. Residue Limits For Pesticides In Meat, Poultry, and Egg Products
2004 FSIS National Residue Program

Compound	*Production Class*	*Fat (ppm)*	*Meat (ppm)*	*Meat By-product (ppm)*	*Liver (ppm)*	*Kidney (ppm)*	*Reference*
Dipropyl isocinchomeronate	Cattle	0.1	0.1	0.1			40 CFR 180.143
	Goats	0.1	0.1	0.1			
	Hogs	0.1	0.1	0.1			
	Horses	0.1	0.1	0.1			
	Poultry						
	Sheep	0.1	0.1	0.1			
	Eggs						
Diquat dibromide	Cattle	0.02	0.02	0.02			40 CFR 180.226
	Goats	0.02	0.02	0.02			
	Hogs	0.02	0.02	0.02			
	Horses	0.02	0.02	0.02			
	Poultry	0.02	0.02	0.02			
	Sheep	0.02	0.02	0.02			
	Eggs	0.02 [Whl]					
Diuron	Cattle	1	1	1			40 CFR 180.106
	Goats	1	1	1			
	Hogs	1	1	1			
	Horses	1	1	1			
	Poultry						
	Sheep	1	1	1			
	Eggs						
Dodin	Cattle		0				40 CFR 180.172
	Goats		0				
	Hogs		0				
	Horses		0				
	Poultry		0				
	Sheep		0				
	Eggs						
Emamectin benzoate	Cattle	0.003	0.002	0.005[5]	0.02		40 CFR 180.505
	Goats	0.003	0.002	0.005[5]	0.02		
	Hogs	0.003	0.002	0.005[5]	0.02		
	Horses	0.003	0.002	0.005[5]	0.02		
	Poultry						
	Sheep	0.003	0.002	0.005[5]	0.02		
	Eggs						

Table AII - *Continued*
U.S. Residue Limits For Pesticides In Meat, Poultry, and Egg Products
2004 FSIS National Residue Program

Compound	*Production Class*	*Fat (ppm)*	*Meat (ppm)*	*Meat By-product (ppm)*	*Liver (ppm)*	*Kidney (ppm)*	*Reference*
Endosulfan	Cattle	0.2	0.2	0.2			40 CFR 180.182
	Goats	0.2	0.2	0.2			
	Hogs	0.2	0.2	0.2			
	Horses	0.2	0.2	0.2			
	Poultry						
	Sheep	0.2	0.2	0.2			
	Eggs						
Esfenvalerate	Cattle						40 CFR 180.533
	Goats						
	Hogs						
	Horses						
	Poultry	0.3	0.03	0.3	0.03		
	Sheep						
	Eggs	0.03 [Whl]					
Ethephon	Cattle	0.1	0.1	0.1			40 CFR 180.300
	Goats	0.1	0.1	0.1			
	Hogs	0.1	0.1	0.1			
	Horses	0.1	0.1	0.1			
	Poultry						
	Sheep	0.1	0.1	0.1			
	Eggs						
Ethion	Cattle	0.2	0.2	0.2			40 CFR 180.173
	Goats	0.2	0.2	0.2			
	Hogs	0.2	0.2	0.2			
	Horses	0.2	0.2	0.2			
	Poultry						
	Sheep	0.2	0.2	0.2			
	Eggs						
Ethofumesate	Cattle	0.05	0.05	0.05			40 CFR 180.345
	Goats	0.05	0.05	0.05			
	Hogs	0.05	0.05	0.05			
	Horses	0.05	0.05	0.05			
	Poultry						
	Sheep	0.05	0.05	0.05			
	Eggs						

Table AII - *Continued*
U.S. Residue Limits For Pesticides In Meat, Poultry, and Egg Products
2004 FSIS National Residue Program

Compound	*Production Class*	*Fat (ppm)*	*Meat (ppm)*	*Meat By-product (ppm)*	*Liver (ppm)*	*Kidney (ppm)*	*Reference*
	Cattle	0.02			0.01		
	Goats	0.02			0.01		
	Hogs						
Etoxazole	Horses	0.02			0.01		40 CFR 180.593
	Poultry						
	Sheep	0.02			0.01		
	Eggs						
	Cattle	0.1	0.1	0.1			
	Goats	0.1	0.1	0.1			
	Hogs	0.1	0.1	0.1			
Etridiazole	Horses	0.1	0.1	0.1			40 CFR 180.370
	Poultry	0.1	0.1	0.1			
	Sheep	0.1	0.1	0.1			
	Eggs	0.05 [Whl]					
	Cattle	0.02			0.05		
	Goats	0.02			0.05		
	Hogs						
Famoxadone	Horses	0.02			0.05		40 CFR 180.587
	Poultry						
	Sheep	0.02			0.05		
	Eggs						
	Cattle	0.10	0.10	0.10			
	Goats	0.10	0.10	0.10			
	Hogs						
Fenamidone	Horses						40 CFR 180.579
	Poultry						
	Sheep	0.10	0.10	0.10			
	Eggs						
	Cattle	0.05	0.05	0.05			
	Goats	0.05	0.05	0.05			
	Hogs	0.05	0.05	0.05			
Fenamiphos	Horses	0.05	0.05	0.05			40 CFR 180.349
	Poultry						
	Sheep	0.05	0.05	0.05			
	Eggs						

Table AII - *Continued*
U.S. Residue Limits For Pesticides In Meat, Poultry, and Egg Products
2004 FSIS National Residue Program

Compound	*Production Class*	*Fat (ppm)*	*Meat (ppm)*	*Meat By-product (ppm)*	*Liver (ppm)*	*Kidney (ppm)*	*Reference*
Fenarimol	Cattle	0.1	0.01	0.05		0.1	40 CFR 180.421
	Goats	0.1	0.01	0.05		0.1	
	Hogs						
	Horses	0.1	0.01	0.05		0.1	
	Poultry						
	Sheep	0.1	0.01	0.05		0.1	
	Eggs	0.01 Whl					
Fenbuconazole	Cattle	0.01	0.01	0.01			40 CFR 180.480
	Goats	0.01	0.01	0.01			
	Hogs	0.01	0.01	0.01			
	Horses	0.01	0.01	0.01			
	Poultry						
	Sheep	0.01	0.01	0.01			
	Eggs						
Fenbutatin Oxide	Cattle	0.5	0.5	0.5			40 CFR 180.362
	Goats	0.5	0.5	0.5			
	Hogs	0.5	0.5	0.5			
	Horses	0.5	0.5	0.5			
	Poultry	0.1	0.1	0.1			
	Sheep	0.5	0.5	0.5			
	Eggs	0.1 Whl					
Fenoxaprop-ethyl	Cattle	0.05	0.05	0.05			40 CFR 180.430
	Goats	0.05	0.05	0.05			
	Hogs	0.05	0.05	0.05			
	Horses	0.05	0.05	0.05			
	Poultry						
	Sheep	0.05	0.05	0.05			
	Eggs						
Fenpropathrin	Cattle	1.0	0.1	0.1			40 CFR 180.466
	Goats	1.0	0.1	0.1			
	Hogs	1.0	0.1	0.1			
	Horses	1.0	0.1	0.1			
	Poultry	0.05	0.05	0.05			
	Sheep	1.0	0.1	0.1			
	Eggs	0.05					

Table AII - *Continued*
U.S. Residue Limits For Pesticides In Meat, Poultry, and Egg Products
2004 FSIS National Residue Program

Compound	*Production Class*	*Fat (ppm)*	*Meat (ppm)*	*Meat By-product (ppm)*	*Liver (ppm)*	*Kidney (ppm)*	*Reference*
Fenridazone-potassium	Cattle	0.05	0.05	0.05	1.0	1.0	40 CFR 180.423
	Goats	0.05	0.05	0.05	1.0	1.0	
	Hogs	0.05	0.05	0.05	1.0	1.0	
	Horses	0.05	0.05	0.05	1.0	1.0	
	Poultry	0.3	0.3	0.3			
	Sheep	0.05	0.05	0.05	1.0	1.0	
	Eggs	0.05					
Fenthion	Cattle	0.1	0.1	0.1			40 CFR 180.214
	Goats						
	Hogs						
	Horses						
	Poultry						
	Sheep						
	Eggs						
Fenvalerate	Cattle	1.5	1.5	1.5			40 CFR 180.379
	Goats	1.5	1.5	1.5			
	Hogs	1.5	1.5	1.5			
	Horses	1.5	1.5	1.5			
	Poultry						
	Sheep	1.5	1.5	1.5			
	Eggs						
Fipronil	Cattle	0.4	0.04	0.04	0.1		40 CFR 180.517
	Goats	0.4	0.04	0.04	0.1		
	Hogs	0.04	0.01	0.01	0.02		
	Horses	0.4	0.04	0.04	0.1		
	Poultry	0.05	0.02	0.02			
	Sheep	0.4	0.04	0.04	0.1		
	Eggs	0.03					
Flonicamid	Cattle	0.02	0.05	0.08			40 CFR 180.613
	Goats	0.02	0.05	0.08			
	Hogs						
	Horses		0.05	0.08			
	Poultry	0.02	0.02	0.02			
	Sheep	0.02	0.05	0.08			
	Eggs						

Table AII - *Continued*
U.S. Residue Limits For Pesticides In Meat, Poultry, and Egg Products
2004 FSIS National Residue Program

Compound	*Production Class*	*Fat (ppm)*	*Meat (ppm)*	*Meat By-product (ppm)*	*Liver (ppm)*	*Kidney (ppm)*	*Reference*
Fluazifop-butyl	Cattle	0.05	0.05	0.05			40 CFR 180.411
	Goats	0.05	0.05	0.05			
	Hogs	0.05	0.05	0.05			
	Horses	0.05	0.05	0.05			
	Poultry	0.05	0.05	0.05			
	Sheep	0.05	0.05	0.05			
	Eggs	0.05					
Flufenacet	Cattle	0.05	0.05	0.1		0.5	40 CFR 180.527
	Goats	0.05	0.05	0.1		0.5	
	Hogs	0.05	0.05	0.1		0.5	
	Horses	0.05	0.05	0.1		0.5	
	Poultry						
	Sheep	0.05	0.05	0.1		0.5	
	Eggs						
Fluridone	Cattle	0.05	0.05	0.05	0.1	0.1	40 CFR 180.420
	Goats	0.05	0.05	0.05	0.1	0.1	
	Hogs	0.05	0.05	0.05	0.1	0.1	
	Horses	0.05	0.05	0.05	0.1	0.1	
	Poultry	0.05	0.05	0.05	0.1	0.1	
	Sheep	0.05	0.05	0.05	0.1	0.1	
	Eggs	0.05					
Fluoxastrobin	Cattle	0.10	0.05	0.10			40 CFR 180.609
	Goats	0.10	0.05	0.10			
	Hogs						
	Horses	0.10	0.05	0.10			
	Poultry						
	Sheep	0.10	0.05	0.10			
	Eggs						
Fluroxypyr 1-methylheptyl ester	Cattle	0.1	0.1	0.1		1.5	40 CFR 180.535
	Goats	0.1	0.1	0.1		1.5	
	Hogs	0.1	0.1	0.1		1.5	
	Horses	0.1	0.1	0.1		1.5	
	Poultry						
	Sheep	0.1	0.1	0.1		1.5	
	Eggs						

Table AII - *Continued*
U.S. Residue Limits For Pesticides In Meat, Poultry, and Egg Products
2004 FSIS National Residue Program

Compound	*Production Class*	*Fat (ppm)*	*Meat (ppm)*	*Meat By-product (ppm)*	*Liver (ppm)*	*Kidney (ppm)*	*Reference*
Flutolanil	Cattle	0.1	0.05	0.05	2.00	1.00	40 CFR 180.484
	Goats	0.1	0.05	0.05	2.00	1.00	
	Hogs	0.1	0.05	0.05	2.00	1.00	
	Horses	0.1	0.05	0.05	2.00	1.00	
	Poultry	0.05	0.05	0.05			
	Sheep	0.1	0.05	0.05	2.00	1.00	
	Eggs	0.05					
Glufosinate – ammonium	Cattle	0.04	0.15	6.0			40 CFR 180.473
	Goats	0.04	0.15	6.0			
	Hogs	0.04	0.15	6.0			
	Horses	0.04	0.15	6.0			
	Poultry	0.15	0.15	6.0			
	Sheep	0.04	0.15	6.0			
	Eggs	0.15[Whl]					
Glyphosate and its metabolites	Cattle				0.5	4.0	40 CFR 180.364
	Goats				0.5	4.0	
	Hogs				0.5	4.0	
	Horses				0.5	4.0	
	Poultry		0.1	1.0			
	Sheep				0.5	4.0	
	Eggs						
Halosulfuron	Cattle			0.1			40 CFR 180.479
	Goats			0.1			
	Hogs			0.1			
	Horses			0.1			
	Poultry						
	Sheep			0.1			
	Eggs						
Heptachlor & heptachlor epoxide	Cattle	0.2[1]	0.2[1]	0.2[1]			54 FR 33690
	Goats	0.2[1]	0.2[1]	0.2[1]			
	Hogs	0.2[1]	0.2[1]	0.2[1]			
	Horses	0.2[1]	0.2[1]	0.2[1]			
	Poultry	0.2[1]	0.2[1]	0.2[1]			
	Sheep	0.2[1]	0.2[1]	0.2[1]			
	Eggs						

Table AII - *Continued*
U.S. Residue Limits For Pesticides In Meat, Poultry, and Egg Products
2004 FSIS National Residue Program

Compound	*Production Class*	*Fat (ppm)*	*Meat (ppm)*	*Meat By-product (ppm)*	*Liver (ppm)*	*Kidney (ppm)*	*Reference*
Hexazinone	Cattle	0.1	0.1	0.1			40 CFR 180.396
	Goats	0.1	0.1	0.1			
	Hogs	0.1	0.1	0.1			
	Horses	0.1	0.1	0.1			
	Poultry						
	Sheep	0.1	0.1	0.1			
	Eggs						
Imazalil	Cattle	0.01	0.01	0.01	0.5		40 CFR 180.413
	Goats	0.01	0.01	0.01	0.5		
	Hogs	0.01	0.01	0.01	0.5		
	Horses	0.01	0.01	0.01	0.5		
	Poultry						
	Sheep	0.01	0.01	0.01	0.5		
	Eggs						
Imazapyr	Cattle	0.05	0.05	0.05[4]		0.20	40 CFR 180.500
	Goats	0.05	0.05	0.05[4]		0.02	
	Hogs						
	Horses	0.05	0.05	0.05[4]		0.02	
	Poultry						
	Sheep	0.05	0.05	0.05[4]		0.02	
	Eggs						
Imazethapyr	Cattle			0.10			40 CFR 180.447
	Goats			0.10			
	Hogs			0.10			
	Horses			0.10			
	Poultry						
	Sheep			0.10			
	Eggs						
Imidacloprid	Cattle	0.3	0.3	0.3			40 CFR 180.472
	Goats	0.3	0.3	0.3			
	Hogs	0.3	0.3	0.3			
	Horses	0.3	0.3	0.3			
	Poultry	0.05	0.05	0.05			
	Sheep	0.3	0.3	0.3			
	Eggs	0.02 [Whl]					

Table AII - *Continued*
U.S. Residue Limits For Pesticides In Meat, Poultry, and Egg Products
2004 FSIS National Residue Program

Compound	*Production Class*	*Fat (ppm)*	*Meat (ppm)*	*Meat By-product (ppm)*	*Liver (ppm)*	*Kidney (ppm)*	*Reference*
Indoxacarb	Cattle	1.5	0.05	0.03			40 CFR 180.564
	Goats	1.5	0.05	0.03			
	Hogs	1.5	0.05	0.03			
	Horses	1.5	0.05	0.03			
	Poultry						
	Sheep	1.5	0.05	0.03			
	Eggs						
Iprodione	Cattle	0.5	0.5	0.5	3.0	3.0	40 CFR 180.399
	Goats	0.5	0.5	0.5	3.0	3.0	
	Hogs	0.5	0.5	0.5	3.0	3.0	
	Horses	0.5	0.5	0.5	3.0	3.0	
	Poultry	3.5	1.0	1.0	5.0		
	Sheep	0.5	0.5	0.5	3.0	3.0	
	Eggs	1.5 [Whl]					
Isoxaflutole	Cattle	0.2	0.2	0.1	0.5		40 CFR 180.537
	Goats	0.2	0.2	0.1	0.5		
	Hogs	0.2	0.2	0.1	0.5		
	Horses	0.2	0.2	0.1	0.5		
	Poultry	0.2	0.2		0.3		
	Sheep	0.2	0.2	0.1	0.5		
	Eggs	0.2 [Whl]					
Lambda-cyhalothrin	Cattle	3.0	0.2	0.2			40 CFR 180.438
	Goats	3.0	0.2	0.2			
	Hogs	3.0	0.2	0.2			
	Horses	3.0	0.2	0.2			
	Poultry	0.03	0.01	0.01			
	Sheep	3.0	0.2	0.2			
	Eggs	0.01 [Whl]					
Lindane (gamma isomer of benzene hexachloride)	Cattle	7					40 CFR 180.133
	Goats	7					
	Hogs	4					
	Horses	7					
	Poultry						
	Sheep	7					
	Eggs						

Table AII - *Continued*
U.S. Residue Limits For Pesticides In Meat, Poultry, and Egg Products
2004 FSIS National Residue Program

Compound	*Production Class*	*Fat (ppm)*	*Meat (ppm)*	*Meat By-product (ppm)*	*Liver (ppm)*	*Kidney (ppm)*	*Reference*
Linuron	Cattle	1	1	1			40 CFR 180.184
	Goats	1	1	1			
	Hogs	1	1	1			
	Horses	1	1	1			
	Poultry						
	Sheep	1	1	1			
	Eggs						
Malathion	Cattle	4	4	4			40 CFR 180.111
	Goats	4	4	4			
	Hogs	4	4.	4			
	Horses	4	4	4			
	Poultry	4	4	4			
	Sheep	4	4	4			
	Eggs	0.1 [Whl]					
Mancozeb	Cattle				0.5	0.5	40 CFR 180.176
	Goats				0.5	0.5	
	Hogs				0.5	0.5	
	Horses				0.5	0.5	
	Poultry				0.5	0.5	
	Sheep				0.5	0.5	
	Eggs						
Mefenpyr-diethyl	Cattle			0.1			40 CFR 180.509
	Goats			0.1			
	Hogs			0.1			
	Horses			0.1			
	Poultry						
	Sheep			0.1			
	Eggs						
Mesosulfuron-methyl	Cattle			0.01			40 CFR 180.597
	Goats			0.01			
	Hogs						
	Horses			0.01			
	Poultry						
	Sheep			0.01			
	Eggs						

Table AII - *Continued*
U.S. Residue Limits For Pesticides In Meat, Poultry, and Egg Products
2004 FSIS National Residue Program

Compound	*Production Class*	*Fat (ppm)*	*Meat (ppm)*	*Meat By-product (ppm)*	*Liver (ppm)*	*Kidney (ppm)*	*Reference*
Metalxyl	Cattle	0.4	0.05	0.05	0.4	0.4	40 CFR 180.408
	Goats	0.4	0.05	0.05	0.4	0.4	
	Hogs	0.4	0.05	0.05	0.4	0.4	
	Horses	0.4	0.05	0.05	0.4	0.4	
	Poultry	0.4	0.05	0.05	0.4	0.4	
	Sheep	0.4	0.05	0.05	0.4	0.4	
	Eggs						
Methoxyfenozide	Cattle	0.50	0.02	0.10[4,6]	0.40[6]		40 CFR 180.544
	Goats	0.50	0.02	0.10[4,6]	0.40[6]		
	Hogs	0.1	0.02	0.02[4,6]	0.1[6]		
	Horses	0.50	0.02	0.10[4,6]	0.40[6]		
	Poultry	0.02	0.02				
	Sheep	0.50	0.02	0.10[4,6]	0.40[6]		
	Eggs						
2-Methyl-4-chlorophenoxy-acetic acid [MCPA]	Cattle	0.1	0.1	0.1			40 CFR 180.339
	Goats	0.1	0.1	0.1			
	Hogs	0.1	0.1	0.1			
	Horses	0.1	0.1	0.1			
	Poultry						
	Sheep	0.1	0.1	0.1			
	Eggs						
Metolachlor	Cattle	0.02	0.02	0.02[3]	0.05	0.2	40 CFR 180.368
	Goats	0.02	0.02	0.02[3]	0.05	0.2	
	Hogs						
	Horses	0.02	0.02	0.02[3]	0.05	0.2	
	Poultry	0.02	0.02	0.02[3]	0.05		
	Sheep	0.02	0.02	0.02[3]	0.05	0.2	
	Eggs	0.02 [Whl]					
S-metolachlor	Cattle	0.04	0.04	0.04[3]	0.1	0.2	40 CRF 180.368
	Goats	0.04	0.04	0.04[3]	0.1	0.2	
	Hogs						
	Horses	0.04	0.04	0.04[3]	0.1	0.2	
	Poultry	0.04	0.04	0.04[3]			
	Sheep	0.04	0.04	0.04[3]	0.1	0.2	
	Eggs						

Table AII - *Continued*
U.S. Residue Limits For Pesticides In Meat, Poultry, and Egg Products
2004 FSIS National Residue Program

Compound	*Production Class*	*Fat (ppm)*	*Meat (ppm)*	*Meat By-product (ppm)*	*Liver (ppm)*	*Kidney (ppm)*	*Reference*
Metribuzin	Cattle	0.7	0.7	0.7			40 CFR 180.332
	Goats	0.7	0.7	0.7			
	Hogs	0.7	0.7	0.7			
	Horses	0.7	0.7	0.7			
	Poultry	0.7	0.7	0.7			
	Sheep	0.7	0.7	0.7			
	Eggs	0.01 [Whl]					
Metsulfuron-methyl	Cattle	0.1	0.1	0.1		0.5	40 CFR 180.428
	Goats	0.1	0.1	0.1		0.5	
	Hogs	0.1	0.1	0.1		0.5	
	Horses	0.1	0.1	0.1		0.5	
	Poultry						
	Sheep	0.1	0.1	0.1		0.5	
	Eggs						
Mirex	Cattle	0.1[1]	0.1[1]	0.1[1]			51 FR45114
	Goats	0.1[1]	0.1[1]	0.1[1]			
	Hogs	0.1[1]	0.1[1]	0.1[1]			
	Horses	0.1[1]	0.1[1]	0.1[1]			
	Poultry	0.1[1]	0.1[1]	0.1[1]			
	Sheep	0.1[1]	0.1[1]	0.1[1]			
	Eggs						
Myclobutanil	Cattle	0.05	0.1	0.2	1.0		40 CFR 180.443
	Goats	0.05	0.1	0.2	1.0		
	Hogs	0.05	0.1	0.2	1.0		
	Horses	0.05	0.1	0.2	1.0		
	Poultry	0.02	0.02	0.02			
	Sheep	0.05	0.1	0.2	1.0		
	Eggs	0.02 [Whl]					
Nitrapyrin	Cattle	0.05	0.05	0.05			40 CFR 180.350
	Goats	0.05	0.05	0.05			
	Hogs	0.05	0.05	0.05			
	Horses	0.05	0.05	0.05			
	Poultry	0.05	0.05	0.05			
	Sheep						
	Eggs						

Table AII - *Continued*
U.S. Residue Limits For Pesticides In Meat, Poultry, and Egg Products
2004 FSIS National Residue Program

Compound	*Production Class*	*Fat (ppm)*	*Meat (ppm)*	*Meat By-product (ppm)*	*Liver (ppm)*	*Kidney (ppm)*	*Reference*
Norflurazon	Cattle	0.1	0.1	0.1	0.25		40 CFR 180.356
	Goats	0.1	0.1	0.1	0.25		
	Hogs	0.1	0.1	0.1	0.25		
	Horses	0.1	0.1	0.1	0.25		
	Poultry	0.1	0.1	0.1			
	Sheep	0.1	0.1	0.1	0.25		
	Eggs						
Novaluron	Cattle	11	0.60	0.60	1.0	1.0	40 CFR 180.598
	Goats	11	0.60	0.60	1.0	1.0	
	Hogs	0.05	0.01	0.01			
	Horses	11	0.60	0.60	1.0	1.0	
	Poultry	0.40	0.03	0.04			
	Sheep	11	0.60	0.60	1.0	1.0	
	Eggs	0.05					
N-Octyl bicycloheptene dicarboximide	Cattle	0.3					40 CFR 180.367
	Goats	0.3					
	Hogs	0.3					
	Horses	0.3					
	Poultry						
	Sheep	0.3					
	Eggs						
Oxydemeton-methyl	Cattle	0.01	0.01	0.01			40 CFR 180.330
	Goats	0.01	0.01	0.01			
	Hogs	0.01	0.01	0.01			
	Horses	0.01	0.01	0.01			
	Poultry						
	Sheep	0.01	0.01	0.01			
	Eggs						
Oxyfluorfen	Cattle	0.05	0.05	0.05			40 CFR 180.381
	Goats	0.05	0.05	0.05			
	Hogs	0.05	0.05	0.05			
	Horses	0.05	0.05	0.05			
	Poultry	0.05	0.05	0.05			
	Sheep	0.05	0.05	0.05			
	Eggs	0.05 Whl					

Table AII - *Continued*
U.S. Residue Limits For Pesticides In Meat, Poultry, and Egg Products
2004 FSIS National Residue Program

Compound	*Production Class*	*Fat (ppm)*	*Meat (ppm)*	*Meat By-product (ppm)*	*Liver (ppm)*	*Kidney (ppm)*	*Reference*
Paraquat dichloride	Cattle	0.05	0.05	0.05		0.3	40 CFR 180.205
	Goats	0.05	0.05	0.05		0.3	
	Hogs	0.05	0.05	0.05		0.3	
	Horses	0.05	0.05	0.05		0.3	
	Poultry						
	Sheep	0.05	0.05	0.05		0.3	
	Eggs	0.01 [Whl]					
Permethrin	Cattle	3.0	0.25	2.0			40 CFR 180.378
	Goats	3.0	0.25	2.0			
	Hogs	3.0	0.25	3.0			
	Horses	3.0	0.25	2.0			
	Poultry	0.15	0.05	0.25			
	Sheep	3.0	0.25	2.0			
	Eggs	1 [Whl]					
Phosmet	Cattle	0.2	0.2	0.2			40 CFR 180.261
	Goats	0.2	0.2	0.2			
	Hogs	0.2	0.2	0.2			
	Horses	0.2	0.2	0.2			
	Poultry						
	Sheep	0.2	0.2	0.2			
	Eggs						
Picloram	Cattle	0.2	0.2	0.2	0.5	5	40 CFR 180.292
	Goats	0.2	0.2	0.2	0.5	5	
	Hogs	0.2	0.2	0.2	0.5	5	
	Horses	0.2	0.2	0.2	0.5	5	
	Poultry	0.05	0.05	0.05			
	Sheep	0.2	0.2	0.2	0.5	5	
	Eggs	0.05 [Whl]					
Pinoxaden	Cattle	0.04	0.04	0.04			40 CFR 180.611
	Goats						
	Hogs						
	Horses						
	Poultry						
	Sheep						
	Eggs						

Table AII - *Continued*
U.S. Residue Limits For Pesticides In Meat, Poultry, and Egg Products
2004 FSIS National Residue Program

Compound	*Production Class*	*Fat (ppm)*	*Meat (ppm)*	*Meat By-product (ppm)*	*Liver (ppm)*	*Kidney (ppm)*	*Reference*
Piperonyl butoxide	Cattle	0.1	0.1	0.1			40 CFR 180.127
	Goats	0.1	0.1	0.1			
	Hogs	0.1	0.1	0.1			
	Horses	0.1	0.1	0.1			
	Poultry	3.0	3.0	3.0			
	Sheep	0.1	0.1	0.1			
	Eggs	1 [Whl]					
Pirimiphos-methyl	Cattle	0.2	0.2	0.2	2.0	2.0	40 CFR 180.409
	Goats	0.2		0.2	2.0	2.0	
	Hogs	0.2		0.2	2.0	2.0	
	Horses	0.2		0.2	2.0	2.0	
	Poultry	0.2					
	Sheep	0.2		0.2	2.0	2.0	
	Eggs	0.5 [Whl]					
Polyoxyethylene	Cattle		Exempt				40 CFR 180.1078
	Goats		Exempt				
	Hogs		Exempt				
	Horses		Exempt				
	Poultry		Exempt				
	Sheep		Exempt				
	Eggs		Exempt				
Primisulfuron	Cattle	0.1	0.1	0.1			40 CFR 180.452
	Goats	0.1	0.1	0.1			
	Hogs	0.1	0.1	0.1			
	Horses	0.1	0.1	0.1			
	Poultry	0.1	0.1	0.1			
	Sheep	0.1	0.1	0.1			
	Eggs	0.1 [Whl]					
Profenofos	Cattle	0.05	0.05	0.05			40 CFR 180.404
	Goats	0.05	0.05	0.05			
	Hogs						
	Horses	0.05	0.05	0.05			
	Poultry						
	Sheep	0.05	0.05	0.05			
	Eggs						

Table AII - *Continued*
U.S. Residue Limits For Pesticides In Meat, Poultry, and Egg Products
2004 FSIS National Residue Program

Compound	*Production Class*	*Fat (ppm)*	*Meat (ppm)*	*Meat By-product (ppm)*	*Liver (ppm)*	*Kidney (ppm)*	*Reference*
Prohexadione calcium	Cattle			0.05		0.1	40 CFR 180.547
	Goats			0.05		0.1	
	Hogs			0.05		0.1	
	Horses			0.05		0.1	
	Poultry						
	Sheep			0.05		0.1	
	Eggs						
Propargite	Cattle	0.1	0.1	0.1			40 CFR 180.259
	Goats	0.1	0.1	0.1			
	Hogs	0.1	0.1	0.1			
	Horses	0.1	0.1	0.1			
	Poultry	0.1	0.1	0.1			
	Sheep	0.1	0.1	0.1			
	Eggs	0.1 [Whl]					
Propham	Cattle	0.5	0.5	0.5			40 CFR 180.319
	Goats	0.5	0.5	0.5			
	Hogs	0.5	0.5	0.5			
	Horses	0.5	0.5	0.5			
	Poultry	0.5	0.5	0.5			
	Sheep	0.5	0.5	0.5			
	Eggs	0.5 [Whl]					
Propiconazole	Cattle	0.1	0.1	0.1[3]	2.0	2.0	40 CFR 180.434
	Goats	0.1	0.1	0.1[3]	2.0	2.0	
	Hogs	0.1	0.1	0.1[3]	2.0	2.0	
	Horses	0.1	0.1	0.1[3]	2.0	2.0	
	Poultry						
	Sheep	0.1	0.1	0.1[3]	2.0	2.0	
	Eggs						
Propionic acid	Cattle		Exempt	Exempt			40 CFR 180.1023
	Goats		Exempt	Exempt			
	Hogs		Exempt	Exempt			
	Horses		Exempt	Exempt			
	Poultry		Exempt	Exempt			
	Sheep		Exempt	Exempt			
	Eggs		Exempt				

Table AII - *Continued*
U.S. Residue Limits For Pesticides In Meat, Poultry, and Egg Products
2004 FSIS National Residue Program

Compound	*Production Class*	*Fat (ppm)*	*Meat (ppm)*	*Meat By-product (ppm)*	*Liver (ppm)*	*Kidney (ppm)*	*Reference*
Propoxycarbazone-sodium	Cattle		0.05	0.05			40 CFR 180.600
	Goats		0.05	0.05			
	Hogs						
	Horses		0.05	0.05			
	Poultry						
	Sheep		0.05	0.05			
	Eggs						
Propyzamide	Cattle	0.02	0.02	0.02[3]	0.4	0.4	40 CFR 180.317
	Goats	0.02	0.02	0.02[3]	0.4	0.4	
	Hogs	0.02	0.02	0.02[3]	0.4	0.4	
	Horses	0.02	0.02	0.02[3]	0.4	0.4	
	Poultry	0.02	0.02	0.02[3]	0.2	0.2	
	Sheep	0.02	0.02	0.02[3]	0.4	0.4	
	Eggs	0.02 [Whl]					
Pyraclostrobin	Cattle	0.10	0.10	0.20	1.50		40 CFR 180.582
	Goats	0.10	0.10	0.20	1.50		
	Hogs	0.10	0.10	0.20	1.50		
	Horses	0.10	0.10	0.20	1.50		
	Poultry						
	Sheep	0.10	0.10	0.20	1.50		
	Eggs						
Pyrethrins	Cattle	0.1	0.1	0.1			40 CFR 180.128
	Goats	0.1	0.1	0.1			
	Hogs	0.1	0.1	0.1			
	Horses	0.1	0.1	0.1			
	Poultry	0.2	0.2	0.2			
	Sheep	0.1	0.1	0.1			
	Eggs	0.1 [Whl]					
Pyridaben	Cattle	0.05	0.05	0.05			40 CFR 180.494
	Goats	0.05	0.05	0.05			
	Hogs	0.05	0.05	0.05			
	Horses	0.05	0.05	0.05			
	Poultry						
	Sheep	0.05	0.05	0.05			
	Eggs						

Table AII - *Continued*
U.S. Residue Limits For Pesticides In Meat, Poultry, and Egg Products
2004 FSIS National Residue Program

Compound	*Production Class*	*Fat (ppm)*	*Meat (ppm)*	*Meat By-product (ppm)*	*Liver (ppm)*	*Kidney (ppm)*	*Reference*
Pyrimethanil	Cattle	0.01	0.01	0.01[4]		0.30	40 CFR 180.518
	Goats	0.01	0.01	0.01[4]		0.30	
	Hogs						
	Horses	0.01	0.01	0.01[4]		0.03	
	Poultry						
	Sheep	0.01	0.01	0.01[4]		0.03	
	Eggs						
Quinclorac	Cattle	0.7	0.05	1.5			40 CFR 180.463
	Goats	0.7	0.05	1.5			
	Hogs	0.7	0.05	1.5			
	Horses	0.7	0.05	1.5			
	Poultry	0.05	0.05	0.1			
	Sheep	0.7	0.05	1.5			
	Eggs	0.05 [Whl]					
Quizalofop-ethyl	Cattle	0.05	0.02	0.05			40 CFR 180.441
	Goats	0.05	0.02	0.05			
	Hogs	0.05	0.02	0.05			
	Horses	0.05	0.02	0.05			
	Poultry	0.05	0.02	0.05			
	Sheep	0.05	0.02	0.05			
	Eggs	0.02 [Whl]					
Sethoxydim	Cattle	0.2	0.2	1.0			40 CFR 180.412
	Goats	0.2	0.2	1.0			
	Hogs	0.2	0.2	1.0			
	Horses	0.2	0.2	1.0			
	Poultry	0.2	0.2	2.0			
	Sheep	0.2	0.2	1.0			
	Eggs	2.0 [Whl]					
Simazine	Cattle	0.02	0.02	0.02			40 CFR 180.213
	Goats	0.02	0.02	0.02			
	Hogs	0.02	0.02	0.02			
	Horses	0.02	0.02	0.02			
	Poultry	0.02	0.02	0.02			
	Sheep	0.02	0.02	0.02			
	Eggs	0.02 [Whl]					

Table AII - *Continued*
U.S. Residue Limits For Pesticides In Meat, Poultry, and Egg Products
2004 FSIS National Residue Program

Compound	*Production Class*	*Fat (ppm)*	*Meat (ppm)*	*Meat By-product (ppm)*	*Liver (ppm)*	*Kidney (ppm)*	*Reference*
Spinosad	Cattle	33	1.5	8.0			40 CFR 180.495
	Goats	33	1.5	8.0			
	Hogs	33	1.5	8.0			
	Horses	33	1.5	8.0			
	Poultry	0.5	.02	0.03			
	Sheep						
	Eggs	0.05[whl]					
Spirodiclofen and its free enol metabolite BAJ2510	Cattle	0.02	0.02	0.10			40 CFR 180.608
	Goats	0.02	0.02	0.10			
	Hogs						
	Horses	0.02	0.02	0.10			
	Poultry						
	Sheep	0.02	0.02	0.10			
	Eggs						
Spiromesifen	Cattle	0.05		0.05			40 CFR 180.607
	Goats	0.05		0.05			
	Hogs						
	Horses	0.05		0.05			
	Poultry						
	Sheep	0.05		0.05			
	Eggs						
Sulfosate [Sulfonium, trimethyl-salt with n-(phosphonomethyl) glycine]	Cattle	0.5	1.0	1.5		6.0	40 CFR 180.489
	Goats	0.5	1.0	1.5		6.0	
	Hogs	0.5	1.0	1.5		6.0	
	Horses	0.5	1.0	1.5		6.0	
	Poultry	0.05	0.05	0.50			
	Sheep	0.5	1.0	1.5		6.0	
	Eggs	0.05 [Whl]					
Tebuconazole	Cattle			0.2			40 CFR 180.474
	Goats			0.2			
	Hogs	0.1[8]	0.1[8]	0.1[8]			
	Horses			0.2			
	Poultry	0.1[8]	0.1[8]	0.1[8]			
	Sheep			0.2			
	Eggs						

Table AII - *Continued*
U.S. Residue Limits For Pesticides In Meat, Poultry, and Egg Products
2004 FSIS National Residue Program

Compound	*Production Class*	*Fat (ppm)*	*Meat (ppm)*	*Meat By-product (ppm)*	*Liver (ppm)*	*Kidney (ppm)*	*Reference*
Tebufenozide	Cattle	0.1	0.08	0.08			40 CFR 180.482
	Goats	0.1	0.08	0.08			
	Hogs	0.1	0.08	0.08			
	Horses	0.1	0.08	0.08			
	Poultry						
	Sheep	0.1	0.08	0.08			
	Eggs						
Tebuthiuron	Cattle	2	2	2			40 CFR 180.390
	Goats	2	2	2			
	Hogs						
	Horses	2	2	2			
	Poultry						
	Sheep	2	2	2			
	Eggs						
Tepraloxydim	Cattle	0.15	0.20	0.20[4]		0.50	40 CFR 180.573
	Goats	0.15	0.20	0.20[4]		0.50	
	Hogs	0.15	0.20	0.20[4]		0.50	
	Horses	0.15	0.20	0.20[4]		0.50	
	Poultry	0.30	0.20	0.20[5]	1.0		
	Sheep	0.15	0.20	0.20[4]		0.50	
	Eggs	0.20 [Whl]					
Tetrachlorvinphos [Stirofos, Gardona]	Cattle	1.5					40 CFR 180.252
	Goats	0.5					
	Hogs	1.5					
	Horses	0.5					
	Poultry	0.75					
	Sheep	0.5					
	Eggs	0.1 [Whl]					
Tetraconazole	Cattle[9]	0.30	0.05	0.10[5]	4.0		40 CFR 180.557
	Goats[9]	0.30	0.05	0.10[5]	4.0		
	Hogs[9]						
	Horses[9]	0.30	0.05	0.10[5]	4.0		
	Poultry[8]	0.004	0.0003	0.002[5]	0.03		
	Sheep[9]	0.30	0.05	0.10[5]	4.0		
	Eggs	0.03 [Whl]					

Table AII - *Continued*
U.S. Residue Limits For Pesticides In Meat, Poultry, and Egg Products
2004 FSIS National Residue Program

Compound	*Production Class*	*Fat (ppm)*	*Meat (ppm)*	*Meat By-product (ppm)*	*Liver (ppm)*	*Kidney (ppm)*	*Reference*
Tetradifon	Cattle		0				40 CFR 180.174
	Goats		0				
	Hogs		0				
	Horses		0				
	Poultry		0				
	Sheep		0				
	Eggs						
Thiabendazole	Cattle	0.1	0.1	0.1			40 CFR 180.242
	Goats	0.1	0.1	0.1			
	Hogs	0.1	0.1	0.1			
	Horses	0.1	0.1	0.1			
	Poultry	0.1	0.1	0.1			
	Sheep	0.1	0.1	0.1			
	Eggs	0.1 [Whl]					
Thiacloprid	Cattle	0.02	0.03	0.05	0.15	0.05	40 CFR 180.594
	Goats	0.02	0.03	0.05	0.15	0.05	
	Hogs						
	Horses	0.02	0.03	0.05	0.15	0.05	
	Poultry						
	Sheep	0.02	0.03	0.05	0.15	0.05	
	Eggs						
Thiobencarb	Cattle	0.2	0.2	0.2			40 CFR 180.401
	Goats	0.2	0.2	0.2			
	Hogs	0.2	0.2	0.2			
	Horses	0.2	0.2	0.2			
	Poultry	0.2	0.2	0.2			
	Sheep	0.2	0.2	0.2			
	Eggs	0.2 [Whl]					
Thiophanate-methyl	Cattle	0.1	0.1	0.1[3]	2.5	0.2	40 CFR 180.371
	Goats	0.1	0.1	0.1[3]	2.5	0.2	
	Hogs						
	Horses	0.1	0.1	0.1[3]	1.0		
	Poultry						
	Sheep	0.1	0.1	0.1[3]	2.5	0.2	
	Eggs	0.1 [Whl]					

Table AII - *Continued*
U.S. Residue Limits For Pesticides In Meat, Poultry, and Egg Products
2004 FSIS National Residue Program

Compound	*Production Class*	*Fat (ppm)*	*Meat (ppm)*	*Meat By-product (ppm)*	*Liver (ppm)*	*Kidney (ppm)*	*Reference*
Topramezone	Cattle				0.15	0.05	40 CFR 180.612
	Goats				0.15	0.05	
	Hogs						
	Horses				0.15	0.05	
	Poultry						
	Sheep				0.15	0.05	
	Eggs						
Triadimefon	Cattle	1.0	1.0	1.0			40 CFR 180.410
	Goats	1.0	1.0	1.0			
	Hogs	0.04	0.04	0.04			
	Horses	1.0	1.0	1.0			
	Poultry	0.04	0.04	0.04			
	Sheep	1.0	1.0	1.0			
	Eggs	0.04 [Whl]					
Triadimenol	Cattle	0.1	0.1	0.1			40 CFR 180.450
	Goats	0.1	0.1	0.1			
	Hogs	0.1	0.1	0.1			
	Horses	0.1	0.1	0.1			
	Poultry	0.01	0.01	0.01			
	Sheep	0.1	0.1	0.1			
	Eggs	0.01 [Whl]					
Triasulfuron	Cattle	0.1	0.1	0.1[4]		0.5	40 CFR 180.459
	Goats	0.1	0.1	0.1[4]		0.5	
	Hogs	0.1	0.1	0.1[4]		0.5	
	Horses	0.1	0.1	0.1[4]		0.5	
	Poultry						
	Sheep	0.1	0.1	0.1[4]		0.5	
	Eggs						
S,S,S-Tributyl phosphorotrithioate	Cattle	0.02	0.02	0.02			40 CFR 180.272
	Goats	0.02	0.02	0.02			
	Hogs						
	Horses						
	Poultry						
	Sheep	0.02	0.02	0.02			
	Eggs						

Table AII - *Continued*
U.S. Residue Limits For Pesticides In Meat, Poultry, and Egg Products
2004 FSIS National Residue Program

Compound	*Production Class*	*Fat (ppm)*	*Meat (ppm)*	*Meat By-product (ppm)*	*Liver (ppm)*	*Kidney (ppm)*	*Reference*
Trichlorfon	Cattle	0.1	0.1	0.1			40 CFR 180.198
	Goats						
	Hogs						
	Horses						
	Poultry						
	Sheep						
	Eggs						
Trifloxystrobin	Cattle	0.05	0.05	0.05			40 CFR 180.555
	Goats	0.05	0.05	0.05			
	Hogs	0.05	0.05	0.05			
	Horses	0.05	0.05	0.05			
	Poultry	0.04	0.04	0.04			
	Sheep	0.05	0.05	0.05			
	Eggs	0.04					
Triclopyr	Cattle	0.05	0.05	0.05	0.5	0.5	40 CFR 180.417
	Goats	0.05	0.05	0.05	0.5	0.5	
	Hogs	0.05	0.05	0.05	0.5	0.5	
	Horses	0.05	0.05	0.05	0.5	0.5	
	Poultry	0.1	0.1	0.1			
	Sheep	0.05	0.05	0.05	0.5	0.5	
	Eggs	0.05 [Whl]					
Triflumazole	Cattle	0.5	0.05	0.5			40 CFR 180.476
	Goats	0.5	0.05	0.5			
	Hogs	0.5	0.05	0.5			
	Horses	0.5	0.05	0.5			
	Poultry	0.05	0.05	0.1			
	Sheep	0.5	0.05	0.5			
	Eggs	0.05 [Whl]					
Triphenyltin hydroxide	Cattle				0.05	0.05	40 CFR 180.236
	Goats				0.05	0.05	
	Hogs				0.05	0.05	
	Horses				0.05	0.05	
	Poultry						
	Sheep				0.05	0.05	
	Eggs						

Table AII - *Continued*
U.S. Residue Limits For Pesticides In Meat, Poultry, and Egg Products
2004 FSIS National Residue Program

Compound	*Production Class*	*Fat (ppm)*	*Meat (ppm)*	*Meat By-product (ppm)*	*Liver (ppm)*	*Kidney (ppm)*	*Reference*
Vinclozolin[7]	Cattle	0.05	0.05	0.05			40 CFR 180.380
	Goats	0.05	0.05	0.05			
	Hogs	0.05	0.05	0.05			
	Horses	0.05	0.05	0.05			
	Poultry	0.1	0.1	0.1			
	Sheep	0.05	0.05	0.05			
	Eggs	0.05 [Whl]					
Zeta-cypermethrin	Cattle	1.0	0.2	0.05			40 CFR 180.418
	Goats	1.0	0.2	0.05			
	Hogs	1.0	0.2	0.05			
	Horses	1.0	0.2	0.05			
	Poultry	0.05	0.05	0.05			
	Sheep	1.0	0.2	0.05			
	Eggs	0.05 [Whl]					

1. Action level
2. All tissues of poultry excluding kidney
3. Excluding liver and kidney
4. Excluding kidney
5. Excluding liver
6. Combined residues of methoxyfenozide, benzoic acid and its glucuronide methobolite
7. Time limit (11-30-08)
8. Time limit (12-31-09)
9. Time limit (11-30-12)

Whl = Whole eggs

APPENDIX III

Table AIII
Analytical Methods
2004 National Residue Program

Compound Class	*Compound*	*Analytical Method*			*Minimum Proficiency Level* [a]		
		Screen	*Determinative (quantitative)*	*Confirmatory (identification)*	*Screen*	*Determinative (quantitative)*	*Confirmatory (identification)*
Antibiotics	Carbadox		GC-ECD	TBD		15 ppb	TBD
	Chloramphenicol		GC-ECD	GC-MS		0.25 ppb (M)	0.30 ppb (M)
	Florfenicol		HPLC	GC/SIM-MS		1.9 ppm (L)	1.9 ppm (L)
Antibiotics : *beta*-Lactams	Amoxicillin	7-Plate Bioassay	Bioassay	HPLC/MS-MS		TBD	TBD
	Ampicillin					0.01 ppm	10 ppb
	Cefazolin					0.02 ppm	50 ppb
	Cloxacillin					TBD	TBD
	Desacetyl cephapirin					0.1 ppm	100 ppb
	Desfuroylceftiofur cysteine disulfide (DCCD)					0.05 ppm	50 ppb
	Dicloxacillin					0.05 ppm	50 ppb
	Nafcillin						20 ppb
	Penicillin-G					0.05 ppm	50 ppb
	Oxacillin					TBD	
Antibiotics : Tetracyclines	Chlortetracycline	7-Plate Bioassay	Bioassay	HPLC	0.01 ppm	0.05 ppm	0.5 ppm
	Oxytetracycline				0.5 ppm	0.40 ppm	
	Tetracycline						
Antibiotics: Macrolides	Clindamycin	7-Plate Bioassay		HPLC/MS-MS			0.1 ppm
	Erythromycin		Bioassay			0.05 ppm	0.1 ppm
	Lincomycin						0.1 ppm
	Pirlimycin						0.1 ppm
	Tilmicosin		HPLC- Ion Pairing			300 ppb (M) 600 ppb (L,K)	0.1 ppm
	Tylosin		Bioassay			0.2 ppm	0.1 ppm

Table AIII – *continued*
Analytical Methods
2004 National Residue Program

Compound Class	*Compound*	*Analytical Method*			*Minimum Proficiency Level* [a]		
		Screen	*Determinative (quantitative)*	*Confirmatory (identification)*	*Screen*	*Determinative (quantitative)*	*Confirmatory (identification)*
Antibiotics: Aminoglycosides	Amikacin	7-Plate Bioassay		HPLC/MS-MS			1.0 ppm (L,K), 0.4 ppm (M)
	Apramycin						0.4 ppm (K) 0.1 ppm (L,M)
	Dihydrostreptomycin		Bioassay			0.5 ppm	0.4 ppm (L,K,M)
	Gentamicin		Bioassay			0.15 ppm	0.1 ppm (K,M), 0.4 (L)
	Hygromycin						1.0 ppm (L,K) 0.4 ppm (M)
	Kanamycin						4.0 ppm(L), 2.0 ppm (K), 0.4 ppm (M)
	Neomycin		Bioassay			0.25 ppm	0.1ppm (K,M), 0.4 (L)
	Spectinomycin					10.0 ppm	1.0 ppm (L) 0.4 ppm (K) 0.25 ppm (M)
	Streptomycin		Bioassay			0.1 ppm	0.4 ppm (L,K,M)
	Tobramycin						1.0 ppm (L) 0.1 ppm (K,M)
Arsenicals	Arsenicals		AAS	AAS		0.2 ppm	0.2 ppm
Avermectins	Ivermectin		HPLC	HPLC/APCI-MS		7.5 ppb	25 ppb
	Doramectin						
	Moxidectin						
beta -Agonists	Cimaterol	ELISA			6 ppb		
	Clenbuterol	ELISA		LC/MS-MS	3 ppb		TBD
	Ractopamine		HPLC	LC/MS		1 ppb (M), 25 ppb (L)	1 ppb
	Salbutamol	ELISA			3 ppb		
Hormones, synthetic	Diethylstilbesterol (DES)		GC-MS	GC-MS		0.5 ppb	1.0 ppb (L,M)
	Zeranol	ELISA	GC-MS	GC-MS	0.5 ppb	1.0 ppb	5.0 ppb (L)
	alpha-Trenbolone			GC/MS-MS	5.0 ppb		5.0 ppb (L)
	beta-Trenbolone			GC/MS-MS			5.0 ppb (M)

Table AIII – *continued*
Analytical Methods
2004 National Residue Program

Compound Class	*Compound*	*Analytical Method*			*Minimum Proficiency Level* [a]		
		Screen	*Determinative (quantitative)*	*Confirmatory (identification)*	*Screen*	*Determinative (quantitative)*	*Confirmatory (identification)*
Nonsteroidal Anti-inflammatory Drugs (NSAIDs)	Dipyrones[b]	HPLC	HPLC		0.2 ppm	0.2 ppm	
	Flunixin	ELISA	HPLC	HPLC/ESI-MS-MS	50 ppb	62.5 ppb	125 ppb
	Phenylbutazone	ELISA		HPLC/ESI-MS-MS	50 ppb		50 ppb
Anabolic Steroids	Melengesterol Acetate (MGA)	ELISA	GC/ECD	HPLC/APCI-MS	5 ppb	10 ppb	12.5 ppb
Sulfonamides	Sulfapyridine		TLC	GC/ESI-MS		0.05 ppm	0.1 ppm
	Sulfadiazine						
	Sulfathiazole						
	Sulfamerazine						
	Sulfamethazine						
	Sulfachloropyridazine						
	Sulfamethoxypryridazine						
	Sulfaquinoxaline						
	Sulfadimethoxine						
	Sulfaethoxypyridazine						
	Sulfaphenazole						
	Sulfatroxazole						
	Sulfisoxazole						
	Sulfadoxine						
Thyreostats	2-Mercaptobenzimidazole			HPLC/MS-MS			25 ppb
	6-Methyl-2-thiouracil						
	2-Mercapto-1-methylimidazole						
	6-Phenyl-2-thiouracil						

Table AIII – *continued*
Analytical Methods
2004 National Residue Program

Compound Class	*Compound*	*Analytical Method*			*Minimum Proficiency Level* [a]		
		Screen	*Determinative (quantitative)*	*Confirmatory (identification)*	*Screen*	*Determinative (quantitative)*	*Confirmatory (identification)*
Thyreostats (continued)	6-Propyl-2-thiouracil			HPLC/MS-MS			25 ppb
	2-Thiouracil						
CHCs/COPs/PCBs	Aldrin		GPC with GC-EC	GC-MS		0.10 ppm	
	alpha-BHC					0.10 ppm	0.01 ppm
	Captan					0.04 ppm	
	Carbophenothion					0.06 ppm	
	Chlorfenvinphos					0.05 ppm	
	Chlorpyrifos					0.10 ppm	
	cis-chlordane					0.30 ppm	
	Coumaphos-O					0.20 ppm	
	Coumaphos-S					0.20 ppm	
	Dieldrin					0.10 ppm	0.01 ppm
	Endosulfan I					0.02 ppm	
	Endosulfan II					0.04 ppm	
	Endrin					0.10 ppm	0.03 ppm
	HCB					0.10 ppm	0.01 ppm
	Heptachlor epoxide					0.10 ppm	0.10 ppm
	Heptacholr					0.10 ppm	0.01 ppm
	Kepone					0.06 ppm	
	Lindane					0.10 ppm	0.01 ppm
	Linuron					0.50 ppm	
	Methoxychlor					0.50 ppm	0.15 ppm
	Mirex					0.10 ppm	

Table AIII – *continued*
Analytical Methods
2004 National Residue Program

Compound Class	*Compound*	*Analytical Method*			*Minimum Proficiency Level* [a]		
		Screen	*Determinative (quantitative)*	*Confirmatory (identification)*	*Screen*	*Determinative (quantitative)*	*Confirmatory (identification)*
CHCs/COPs/PCBs (continued)	Nonachlor		GPC with GC-EC	GC-MS		0.15 ppm	
	o,p'-TDE					0.15 ppm	
	Oxychlordane					0.04 ppm	0.1 ppm
	p,p'-DDE					0.10 ppm	0.02 ppm
	p,p'-DDT					0.15 ppm	0.04 ppm
	p,p'-TDE					0.15 ppm	0.04 ppm
	PCB 1260					0.50 ppm	
	PCB 1254					0.50 ppm	
	PCB 1242					0.50 ppm	
	PCB 1248					0.50 ppm	
	Phosalone					0.02 ppm	
	Ronnel					0.03 ppm	
	Stirofos					0.06 ppm	
	Toxaphene					1.00 ppm	
	trans-chlordane					0.30 ppm	

a. Minimum Proficiency Level: The minimum concentration of a residue at which an analytical result will be used to assess a laboratory's quantification capability. This concentration is an estimate of the smallest concentration for which the average coefficient of variation (CV) for reproducibility (i.e., combined within and between laboratory variability) does not exceed 20 percent (9 CFR 318.21).
b. 4-methylaminoantipyrine, 4-formylaminoantipyrine, and 4-aminoantipyrine

Table AIII – *continued*
Analytical Methods
2004 National Residue Program

Key:

AA = Atomic Absorption Spectroscopy
APCI = Atmospheric Pressure Chemical Ionization
CHCs = Chlorinated hydrocarbons
COPs = Chlorinated organophosphates
ECD = Electron Capture Detection
ELISA = Enzyme Linked Immunosorbent Assay
GC = Gas Chromatoraphy
GPC = Gel Permeation Chromatography
HPLC = high performance liquid chromatography
K = Kidney
L = Liver
M = Muscle
Method detection limit = The lowest quantity of residue (or sample component) that can be reliably observed or found in the sample matrix by the analytical methodology used.
MS = Mass Spectroscopy
NA = not applicable
PCBs = Polychlorinated biphenyls
ppb = parts per billion
ppm = parts per million
SIM = selected ion mode
TBD = To be determined
TLC = Thin Layer Chromatography

APPENDIX IV

STATISTICAL TABLE

Table AIV, S*tatistical Table*, indicates the number of samples required to ensure detection of a violation that affects a given percentage of the sampled population.

Table AIV
Statistical Table

Percentage Violative in Sampled Population	**Probability of Detection (Percent)**			
	90	95	99	99.9
	Samples Required			
10	22	29	44	66
5	45	59	90	135
1	230	299	459	688
0.5	460	598	919	1,379
0.1	2,302	2,995	4,603	6,905
0.05	4,605	5,990	9,209	13,813