

SECTION 9. THE 2000 FSIS NATIONAL RESIDUE PROGRAM: DOMESTIC MONITORING PLAN AND SPECIAL PROJECTS, AND IMPORT RESIDUE PLAN

The Food Safety and Inspection Service (FSIS), working with its partner agencies, has developed sampling allocation systems for compound/production class pairs (domestic residue sampling plans) and compound/product class pairs (import residue sampling plan) that are founded on a public health-based prioritization process. These systems each incorporate a structured planning process that employs risk assessment formulas and uses the best available data to develop relative rankings within these formulas. These systems do not, and were not intended to, generate formal absolute estimates of risk that can be interpreted in an actuarial sense. Nevertheless, their relative risk-based rankings are sufficient to develop sound and internally consistent allocations of sampling resources. These rankings help FSIS to manage the public health concerns presented by a comprehensive range of veterinary drugs and pesticides in the egg product, meat, and poultry production classes for which FSIS has regulatory authority.

The final detailed domestic plan sample numbers for veterinary drugs and pesticides in all production classes are listed Table 9.1, *2000 FSIS National Residue Program, Domestic Monitoring Plan and Special Projects*.

The final detailed import plan sample numbers for all compounds (veterinary drugs and pesticides), in all product classes and all countries, are listed in Table 9.2, *2000 FSIS National Residue Program, Import Residue Plan*.

An overall summary of the Domestic Monitoring Plan and Special Projects and the Import Residue Plan is provided in Table 9.3, *Summary, 2000 FSIS National Residue Program, Domestic Monitoring Plan and Special Projects, and Import Residue Plan*.

Table 9.1
2000 FSIS National Residue Program
Domestic Monitoring Plan and Special Projects

ANALYSIS	LAB	PROD. CLASS	#SAMP.	TYPE
Antibiotics by Bioassay	MWL	Young chickens	460	Monitoring Plan
Antibiotics by Bioassay	MWL	Market hogs	690	Monitoring Plan
Antibiotics by Bioassay	MWL	Steers	460	Monitoring Plan
Antibiotics by Bioassay	MWL	Heifers	460	Monitoring Plan
Antibiotics by Bioassay	MWL	Young turkeys	460	Monitoring Plan
Antibiotics by Bioassay	MWL	Egg products*	TBD	Special Project
Antibiotics by Bioassay	MWL	Dairy cows	690	Monitoring Plan
Antibiotics by Bioassay	MWL	Beef cows	300	Monitoring Plan
Antibiotics by Bioassay	MWL	Sows	300	Monitoring Plan
Antibiotics by Bioassay	MWL	Mature chickens	230	Monitoring Plan
Antibiotics by Bioassay	MWL	Bulls	230	Monitoring Plan
Antibiotics by Bioassay	MWL	Lambs	300	Monitoring Plan
Antibiotics by Bioassay	MWL	Formula-fed	690	Monitoring Plan
Antibiotics by Bioassay	MWL	Boars/Stags	300	Monitoring Plan
Antibiotics by Bioassay	MWL	Ducks	300	Monitoring Plan
Antibiotics by Bioassay	MWL	Mature turkeys	230	Monitoring Plan
Antibiotics by Bioassay	MWL	Bob calves	460	Monitoring Plan
Antibiotics by Bioassay	MWL	Horses	460	Monitoring Plan
Antibiotics by Bioassay	MWL	Goats	230	Monitoring Plan
Antibiotics by Bioassay	MWL	Other fowl	300	Monitoring Plan
Antibiotics by Bioassay	MWL	Heavy calves	230	Monitoring Plan
Antibiotics by Bioassay	MWL	Roaster pigs	300	Monitoring Plan
Antibiotics by Bioassay	MWL	Sheep	230	Monitoring Plan
Antibiotics by Bioassay	MWL	Non-formula	230	Monitoring Plan
Antibiotics by Bioassay	MWL	Geese	90	Monitoring Plan
Antibiotics by Bioassay	MWL	Rabbits	300	Monitoring Plan
Total Antibiotics by Bioassay	MWL		8930	
Arsenicals	EL	Young chickens	1200	Monitoring Plan
Arsenicals	EL	Market hogs	300	Monitoring Plan
Arsenicals	EL	Young turkeys	460	Monitoring Plan
Arsenicals	EL	Egg products	460	Monitoring Plan
Arsenicals	EL	Beef cows	300	Monitoring Plan
Arsenicals	EL	Sows	230	Monitoring Plan
Arsenicals	EL	Mature chickens	230	Monitoring Plan
Arsenicals	EL	Boars/Stags	90	Monitoring Plan
Arsenicals	EL	Ducks	230	Monitoring Plan
Arsenicals	EL	Mature turkeys	90	Monitoring Plan
Arsenicals	EL	Goats	300	Monitoring Plan
Arsenicals	EL	Other fowl	300	Monitoring Plan
Arsenicals	EL	Roaster pigs	230	Monitoring Plan
Total Arsenicals	EL		4420	Monitoring Plan

*Method extension needed for egg products.

Table 9.1 - Continued
2000 FSIS National Residue Program
Domestic Monitoring Plan and Special Projects

ANALYSIS	LAB	PROD. CLASS	#SAMP.	TYPE
Avermectins	EL	Market hogs	460	Monitoring Plan
Avermectins	EL	Steers	460	Monitoring Plan
Avermectins	EL	Heifers	460	Monitoring Plan
Avermectins	EL	Dairy cows	300	Monitoring Plan
Avermectins	EL	Beef cows	300	Monitoring Plan
Avermectins	EL	Sows	300	Monitoring Plan
Avermectins	EL	Bulls	300	Monitoring Plan
Avermectins	EL	Lambs	230	Monitoring Plan
Avermectins	EL	Formula-fed	230	Monitoring Plan
Avermectins	EL	Boars/Stags	230	Monitoring Plan
Avermectins	EL	Horses	300	Monitoring Plan
Avermectins	EL	Goats	460	Monitoring Plan
Avermectins	EL	Heavy calves	230	Monitoring Plan
Avermectins	EL	Roaster pigs	230	Monitoring Plan
Avermectins	EL	Sheep	90	Monitoring Plan
Avermectins	EL	Non-formula	90	Monitoring Plan
Avermectins	EL	Rabbits	230	Monitoring Plan
Total Avermectins	EL	TOTAL	4900	
CHC's/COP's/Phenylbutazone	WL	Young chickens	460	Monitoring Plan
CHC's/COP's/Phenylbutazone	WL	Market hogs	460	Monitoring Plan
CHC's/COP's/Phenylbutazone	WL	Steers	460	Monitoring Plan
CHC's/COP's/Phenylbutazone	WL	Heifers	460	Monitoring Plan
CHC's/COP's/Phenylbutazone	WL	Young turkeys	460	Monitoring Plan
CHC's/COP's/Phenylbutazone	WL	Egg products	460	Monitoring Plan
CHC's/COP's/Phenylbutazone	WL	Dairy cows	460	Monitoring Plan
CHC's/COP's/Phenylbutazone	WL	Beef cows	460	Monitoring Plan
CHC's/COP's/Phenylbutazone	WL	Sows	300	Monitoring Plan
CHC's/COP's/Phenylbutazone	WL	Mature chickens	300	Monitoring Plan
CHC's/COP's/Phenylbutazone	WL	Bulls	300	Monitoring Plan
CHC's/COP's/Phenylbutazone	WL	Lambs	300	Monitoring Plan
CHC's/COP's/Phenylbutazone	WL	Formula-fed	300	Monitoring Plan
CHC's/COP's/Phenylbutazone	WL	Boars/Stags	460	Monitoring Plan
CHC's/COP's/Phenylbutazone	WL	Ducks	300	Monitoring Plan
CHC's/COP's/Phenylbutazone	WL	Mature turkeys	230	Monitoring Plan
CHC's/COP's/Phenylbutazone	WL	Bob calves	300	Monitoring Plan
CHC's/COP's/Phenylbutazone	WL	Horses	300	Monitoring Plan
CHC's/COP's/Phenylbutazone	WL	Goats	300	Monitoring Plan
CHC's/COP's/Phenylbutazone	WL	Other fowl	300	Monitoring Plan
CHC's/COP's/Phenylbutazone	WL	Heavy calves	300	Monitoring Plan
CHC's/COP's/Phenylbutazone	WL	Sheep	300	Monitoring Plan
CHC's/COP's/Phenylbutazone	WL	Non-formula	300	Monitoring Plan
CHC's/COP's/Phenylbutazone	WL	Geese	90	Monitoring Plan
CHC's/COP's/Phenylbutazone	WL	Rabbits	90	Monitoring Plan
Total CHC's/COP's/Phenylbut. *	WL		8450	

*Method extension needed for phenylbutazone

Table 9.1 - Continued
2000 FSIS National Residue Program
Domestic Monitoring Plan and Special Projects

ANALYSIS	LAB	PROD. CLASS	#SAMP.	TYPE
Sulfonamides	MWL or EL	Young chickens	460	Monitoring Plan
Sulfonamides	MWL or EL	Market hogs	460	Monitoring Plan
Sulfonamides	MWL or EL	Steers	460	Monitoring Plan
Sulfonamides	MWL or EL	Heifers	460	Monitoring Plan
Sulfonamides	MWL or EL	Young turkeys	460	Monitoring Plan
Sulfonamides	EL	Egg products	460	Monitoring Plan
Sulfonamides	MWL or EL	Dairy cows	300	Monitoring Plan
Sulfonamides	MWL or EL	Beef cows	300	Monitoring Plan
Sulfonamides	MWL or EL	Sows	460	Monitoring Plan
Sulfonamides	MWL or EL	Bulls	300	Monitoring Plan
Sulfonamides	MWL or EL	Lambs	300	Monitoring Plan
Sulfonamides	MWL or EL	Formula-fed	230	Monitoring Plan
Sulfonamides	MWL or EL	Boars/Stags	460	Monitoring Plan
Sulfonamides	MWL or EL	Ducks	230	Monitoring Plan
Sulfonamides	MWL or EL	Mature turkeys	300	Monitoring Plan
Sulfonamides	MWL or EL	Bob calves	460	Monitoring Plan
Sulfonamides	MWL or EL	Horses	230	Monitoring Plan
Sulfonamides	MWL or EL	Goats	230	Monitoring Plan
Sulfonamides	MWL or EL	Other fowl	300	Monitoring Plan
Sulfonamides	MWL or EL	Heavy calves	230	Monitoring Plan
Sulfonamides	MWL or EL	Roaster pigs	230	Monitoring Plan
Sulfonamides	MWL or EL	Non-formula	230	Monitoring Plan
Sulfonamides	MWL or EL	Geese	90	Monitoring Plan
Total Sulfonamides, MWL	MWL		4000	
Total Sulfonamides, EL	EL		3640	
Total Sulfonamides	MWL + EL		7640	
Beta agonists**	FDA+MWL	Formula-fed veal	300	Monitoring Plan
Beta agonists**	FDA+MWL	Steers	300	Monitoring Plan
Beta agonists**	FDA+MWL	Market hogs	300	Monitoring Plan
Total Beta agonists	FDA+MWL		900	
Carbadox	MWL	Roaster pigs	300	Special Project
Total Carbadox	MWL		300	
Chloramphenicol	MWL	Dairy cattle	300	Special Project
Chloramphenicol	MWL	Formula-fed veal	300	Special Project
Chloramphenicol	MWL	Bob veal	110	Special Project
Total Chloramphenicol	MWL		710	
DES/Zeranol	MWL	Formula-fed veal	TBD	Special Project
Total DES/Zeranol	MWL		TBD	

**A total of 900 samples (containing both eyeball and liver) will be collected and sent to the FDA laboratories. FDA will first screen for beta agonists in the eyeballs (following treatment, the beta agonists will remain in the eyeballs long after they have depleted from edible tissue). If the sample is positive, FDA will implement a confirmatory method using mass spectrometry, and will ship the liver from the positive animal to MWL for analysis.

Table 9.1 - Continued
2000 FSIS National Residue Program
Domestic Monitoring Plan and Special Projects

ANALYSIS	LAB	PROD. CLASS	#SAMP.	TYPE
Dexamethasone	MWL	Dairy cattle	300	Special Project
Total Dexamethasone	MWL		300	
Florfenicol	MWL	Dairy cattle	300	Special Project
Total Florfenicol	MWL		300	
Flunixin	MWL	Dairy cattle	300	Special Project
Total Flunixin	MWL		300	
Fluoroquinolones	MWL	Dairy cattle	300	Monitoring Plan
Fluoroquinolones	MWL	Young chickens	300	Monitoring Plan
Fluoroquinolones	MWL	Market hogs	300	Monitoring Plan
Total Fluoroquinolones	MWL		900	
Lead	EL	Various	TBD	Special Project
Total Lead	EL		TBD	
Melengesterol acetate (MGA)	MWL	Steers	250	Monitoring Plan
Melengesterol acetate (MGA)	MWL	Heifers	250	Monitoring Plan
Total Melengesterol acetate	MWL		500	
Nitroimidazoles	MWL	Formula-fed veal	260-300	Special Project
Total Nitroimidazoles	MWL		260-300	
Organophosphates (OP's)	WL	ALL	TBD	Special Project
Total Organophosphates (OP's)	WL		TBD	
Ractopamine	MWL	Market hogs	300	Special Project
Total Ractopamine	MWL		300	
Spectinomycin	MWL	Dairy cattle	TBD	Special Project
Total Spectinomycin	MWL		TBD	
Tilmicosin	MWL	Dairy cattle	300	Monitoring Plan
Tilmicosin	MWL	Beef cattle	300	Monitoring Plan
Tilmicosin	MWL	Steers	240	Monitoring Plan
Total Tilmicosin	MWL		840	
Veterinary Tranquilizers	MWL	Market hogs	300	Special Project
Total Veterinary Tranquilizers	MWL		300	

Contingent upon increasing sensitivity of method. FSIS will attempt to collect samples from *pen-raised* formula-fed veal, since higher nitroimidazole use thought likely with this production practice.

OP's will be analyzed by the CHC/COP method, following its extension to these compounds.

Key:

PROD. CLASS = Production class; TBD = To be determined; CHC = Chlorinated hydrocarbon; COP = Chlorinated organophosphate; EL = FSIS Eastern Laboratory, Athens, GA; MWL = FSIS Midwestern Laboratory, St. Louis, MO; WL = FSIS Western Laboratory, Alameda, CA

Table 9.2
2000 FSIS National Residue Program
Import Residue Plan

COUNTRY	PRODUCT	COMPOUND	NO. SAMPLES
Argentina	Beef, fresh	Antibiotics	8
Argentina	Beef, fresh	Avermectins	8
Argentina	Beef, fresh	CHC's/COP's/Phenylbutazone	8
Argentina	Beef, fresh	Chloramphenicol	8
Argentina	Beef, fresh	Dexamethazone	8
Argentina	Beef, fresh	Flunixin	8
Argentina	Beef, fresh	Sulfonamides	8
Argentina	Beef, processed	CHC's/COP's/Phenylbutazone	70
Argentina	Beef, processed	Sulfonamides	49
Australia	Beef, fresh	Antibiotics	144
Australia	Beef, fresh	Avermectins	144
Australia	Beef, fresh	CHC's/COP's/Phenylbutazone	144
Australia	Beef, fresh	Chloramphenicol	144
Australia	Beef, fresh	Dexamethazone	9
Australia	Beef, fresh	Flunixin	9
Australia	Beef, fresh	Sulfonamides	144
Australia	Beef, processed	CHC's/COP's/Phenylbutazone	8
Australia	Beef, processed	Sulfonamides	8
Australia	Beef/pork, processed	Arsenicals	8
Australia	Beef/pork, processed	CHC's/COP's/Phenylbutazone	8
Australia	Beef/pork, processed	Sulfonamides	8
Australia	Goat, fresh	Antibiotics	8
Australia	Goat, fresh	Arsenicals	8
Australia	Goat, fresh	Avermectins	8
Australia	Goat, fresh	CHC's/COP's/Phenylbutazone	8
Australia	Goat, fresh	Sulfonamides	8
Australia	Lamb/mutton, fresh	Antibiotics	37
Australia	Lamb/mutton, fresh	Avermectins	37
Australia	Lamb/mutton, fresh	CHC's/COP's/Phenylbutazone	127
Australia	Lamb/mutton, fresh	Sulfonamides	37
Australia	Lamb/mutton, processed	CHC's/COP's/Phenylbutazone	8
Australia	Lamb/mutton, processed	Sulfonamides	8
Australia	Pork, fresh	Antibiotics	8
Australia	Pork, fresh	Arsenicals	8
Australia	Pork, fresh	Avermectins	8
Australia	Pork, fresh	Carbadox	8
Australia	Pork, fresh	CHC's/COP's/Phenylbutazone	8
Australia	Pork, fresh	Nitroimidazoles	8
Australia	Pork, fresh	Ractopamine	8
Australia	Pork, fresh	Sulfonamides	8
Australia	Varied combination, processed	Sulfonamides	8
Australia	Varied Combo, processed	CHC's/COP's/Phenylbutazone	8
Australia	Veal, fresh	Antibiotics	10
Australia	Veal, fresh	Avermectins	10
Australia	Veal, fresh	CHC's/COP's/Phenylbutazone	10
Australia	Veal, fresh	Chloramphenicol	8
Australia	Veal, fresh	Sulfonamides	10
Austria	Beef/pork, processed	Arsenicals	8
Austria	Beef/pork, processed	CHC's/COP's/Phenylbutazone	8
Austria	Beef/pork, processed	Sulfonamides	8
Austria	Pork, processed	Arsenicals	8

Table 9.2 - Continued
2000 FSIS National Residue Program
Import Residue Plan

COUNTRY	PRODUCT	COMPOUND	NO. SAMPLES
Austria	Pork, processed	CHC's/COP's/Phenylbutazone	8
Austria	Pork, processed	Sulfonamides	8
Belgium	Pork, processed	Arsenicals	8
Belgium	Pork, processed	CHC's/COP's/Phenylbutazone	10
Belgium	Pork, processed	Sulfonamides	8
Brazil	Beef, processed	CHC's/COP's/Phenylbutazone	107
Brazil	Beef, processed	Sulfonamides	74
Canada	Beef, fresh	Antibiotics	168
Canada	Beef, fresh	Avermectins	168
Canada	Beef, fresh	CHC's/COP's/Phenylbutazone	168
Canada	Beef, fresh	Chloramphenicol	168
Canada	Beef, fresh	Dexamethazone	11
Canada	Beef, fresh	Flunixin	11
Canada	Beef, fresh	Sulfonamides	168
Canada	Beef, processed	CHC's/COP's/Phenylbutazone	51
Canada	Beef, processed	Sulfonamides	35
Canada	Beef/pork, processed	Arsenicals	8
Canada	Beef/pork, processed	CHC's/COP's/Phenylbutazone	8
Canada	Beef/pork, processed	Sulfonamides	8
Canada	Chicken, fresh	Antibiotics	8
Canada	Chicken, fresh	Arsenicals	8
Canada	Chicken, fresh	CHC's/COP's/Phenylbutazone	8
Canada	Chicken, fresh	Fluroquinolones	8
Canada	Chicken, fresh	Sulfonamides	8
Canada	Chicken, processed	Arsenicals	66
Canada	Chicken, processed	CHC's/COP's/Phenylbutazone	66
Canada	Chicken, processed	Sulfonamides	66
Canada	Goat, fresh	Antibiotics	8
Canada	Goat, fresh	Arsenicals	8
Canada	Goat, fresh	Avermectins	8
Canada	Goat, Fresh	CHC's/COP's/Phenylbutazone	8
Canada	Goat, fresh	Sulfonamides	8
Canada	Lamb/mutton, fresh	Antibiotics	8
Canada	Lamb/mutton, fresh	Avermectins	8
Canada	Lamb/mutton, fresh	CHC's/COP's/Phenylbutazone	8
Canada	Lamb/mutton, fresh	Sulfonamides	8
Canada	Lamb/mutton, processed	CHC's/COP's/Phenylbutazone	8
Canada	Lamb/mutton, processed	Sulfonamides	8
Canada	Other fowl, fresh	Antibiotics	8
Canada	Other Fowl, fresh	CHC's/COP's/Phenylbutazone	8
Canada	Other fowl, fresh	Sulfonamides	8
Canada	Other fowl, processed	CHC's/COP's/Phenylbutazone	8
Canada	Other fowl, processed	Sulfonamides	8
Canada	Pork, fresh	Antibiotics	220
Canada	Pork, fresh	Arsenicals	8
Canada	Pork, fresh	Avermectins	220
Canada	Pork, fresh	Carbadox	37
Canada	Pork, fresh	CHC's/COP's/Phenylbutazone	361
Canada	Pork, fresh	Nitroimidazoles	37
Canada	Pork, fresh	Ractopamine	37
Canada	Pork, fresh	Sulfonamides	220

Table 9.2 - Continued
2000 FSIS National Residue Program
Import Residue Plan

COUNTRY	PRODUCT	COMPOUND	NO. SAMPLES
Canada	Pork, processed	Arsenicals	8
Canada	Pork, processed	CHC's/COP's/Phenylbutazone	111
Canada	Pork, processed	Sulfonamides	76
Canada	Turkey, fresh	Antibiotics	8
Canada	Turkey, fresh	Arsenicals	8
Canada	Turkey, fresh	CHC's/COP's/Phenylbutazone	8
Canada	Turkey, fresh	Sulfanomides	8
Canada	Turkey, processed	Arsenicals	8
Canada	Turkey, processed	CHC's/COP's/Phenylbutazone	8
Canada	Turkey, processed	Sulfonamides	8
Canada	Varied combination processed	Sulfonamides	8
Canada	Varied combination, processed	CHC's/COP's/Phenylbutazone	8
Canada	Veal, fresh	Antibiotics	35
Canada	Veal, fresh	Avermectins	35
Canada	Veal, fresh	CHC's/COP's/Phenylbutazone	35
Canada	Veal, fresh	Chloramphenicol	8
Canada	Veal, fresh	Sulfonamides	35
Canada	Veal, processed	CHC's/COP's/Phenylbutazone	8
Canada	Veal, processed	Sulfonamides	8
Costa Rica	Beef, fresh	Antibiotics	8
Costa Rica	Beef, fresh	Avermectins	8
Costa Rica	Beef, fresh	CHC's/COP's/Phenylbutazone	8
Costa Rica	Beef, fresh	Chloramphenicol	8
Costa Rica	Beef, fresh	Dexamethazone	8
Costa Rica	Beef, fresh	Flunixin	8
Costa Rica	Beef, fresh	Sulfonamides	8
Costa Rica	Beef, processed	CHC's/COP's/Phenylbutazone	8
Costa Rica	Beef, processed	Sulfonamides	8
Costa Rica	Beef/pork, processed	Arsenicals	8
Costa Rica	Beef/pork, processed	CHC's/COP's/Phenylbutazone	8
Costa Rica	Beef/pork, processed	Sulfonamides	8
Costa Rica	Pork, processed	Arsenicals	8
Costa Rica	Pork, processed	CHC's/COP's/Phenylbutazone	8
Costa Rica	Pork, processed	Sulfonamides	8
Croatia	Beef, processed	CHC's/COP's/Phenylbutazone	8
Croatia	Beef, processed	Sulfonamides	8
Croatia	Beef/pork, processed	Arsenicals	8
Croatia	Beef/pork, processed	CHC's/COP's/Phenylbutazone	8
Croatia	Beef/pork, processed	Sulfonamides	8
Croatia	Pork, processed	Arsenicals	8
Croatia	Pork, processed	CHC's/COP's/Phenylbutazone	8
Croatia	Pork, processed	Sulfonamides	8
Denmark	Beef/pork, processed	Arsenicals	8
Denmark	Beef/pork, processed	CHC's/COP's/Phenylbutazone	8
Denmark	Beef/pork, processed	Sulfonamides	8
Denmark	Pork, fresh	Antibiotics	32
Denmark	Pork, fresh	Arsenicals	220
Denmark	Pork, fresh	Avermectins	32
Denmark	Pork, fresh	Carbadox	8
Denmark	Pork, fresh	CHC's/COP's/Phenylbutazone	51
Denmark	Pork, fresh	Nitroimidazoles	8

Table 9.2 - Continued
2000 FSIS National Residue Program
Import Residue Plan

COUNTRY	PRODUCT	COMPOUND	NO. SAMPLES
Denmark	Pork, fresh	Ractopamine	8
Denmark	Pork, fresh	Sulfonamides	32
Denmark	Pork, processed	Arsenicals	8
Denmark	Pork, processed	CHC's/COP's/Phenylbutazone	61
Denmark	Pork, processed	Sulfonamides	41
Finland	Pork, fresh	Antibiotics	8
Finland	Pork, fresh	Arsenicals	32
Finland	Pork, fresh	Avermectins	8
Finland	Pork, fresh	Carbadox	8
Finland	Pork, fresh	CHC's/COP's/Phenylbutazone	8
Finland	Pork, fresh	Nitroimidazoles	8
Finland	Pork, fresh	Ractopamine	8
Finland	Pork, fresh	Sulfonamides	8
France	Chicken, processed	Arsenicals	8
France	Chicken, processed	CHC's/COP's/Phenylbutazone	8
France	Chicken, processed	Sulfonamides	8
France	Other fowl, fresh	Antibiotics	8
France	Other fowl, fresh	CHC's/COP's/Phenylbutazone	8
France	Other fowl, fresh	Sulfonamides	8
France	Other fowl, processed	CHC'S/ COP'S	8
France	Other fowl, processed	Sulfonamides	8
France	Pork, processed	Arsenicals	8
France	Pork, processed	CHC's/COP's/Phenylbutazone	8
France	Pork, processed	Sulfonamides	8
France	Varied combination, processed	Sulfonamides	8
France	Varied Combo, processed	CHC's/COP's/Phenylbutazone	8
Germany	Beef, processed	CHC's/COP's/Phenylbutazone	8
Germany	Beef, processed	Sulfonamides	8
Germany	Pork, processed	Arsenicals	8
Germany	Pork, processed	CHC's/COP's/Phenylbutazone	8
Germany	Pork, processed	Sulfonamides	8
Honduras	Beef , fresh	Antibiotics	8
Honduras	Beef , fresh	Avermectins	8
Honduras	Beef, fresh	CHC's/COP's/Phenylbutazone	8
Honduras	Beef, fresh	Chloramphenicol	8
Honduras	Beef, fresh	Dexamethazone	8
Honduras	Beef, fresh	Flunixin	8
Honduras	Beef, fresh	Sulfonamides	8
Hong Kong	Chicken, processed	Arsenicals	8
Hong Kong	Chicken, processed	CHC's/COP's/Phenylbutazone	8
Hong Kong	Chicken, processed	Sulfonamides	8
Hong Kong	Turkey, processed	Arsenicals	8
Hong Kong	Turkey, processed	CHC's/COP's/Phenylbutazone	8
Hong Kong	Turkey, processed	Sulfonamides	8
Hungary	Pork, processed	Arsenicals	8
Hungary	Pork, processed	CHC's/COP's/Phenylbutazone	8
Hungary	Pork, processed	Sulfonamides	8
Iceland	Lamb/mutton, fresh	Antibiotics	8
Iceland	Lamb/mutton, fresh	Avermectins	8
Iceland	Lamb/mutton, fresh	CHC's/COP's/Phenylbutazone	8
Iceland	Lamb/mutton, fresh	Sulfonamides	8

Table 9.2 - Continued
2000 FSIS National Residue Program
Import Residue Plan

COUNTRY	PRODUCT	COMPOUND	NO. SAMPLES
Ireland	Beef, fresh	Antibiotics	8
Ireland	Beef, fresh	Avermectins	8
Ireland	Beef, fresh	CHC's/COP's/Phenylbutazone	8
Ireland	Beef, fresh	Chloramphenicol	8
Ireland	Beef, fresh	Dexamethazone	8
Ireland	Beef, fresh	Flunixin	8
Ireland	Beef, fresh	Sulfonamides	8
Ireland	Pork, fresh	Antibiotics	8
Ireland	Pork, fresh	Arsenicals	8
Ireland	Pork, fresh	Avermectins	8
Ireland	Pork, fresh	Carbadox	8
Ireland	Pork, fresh	CHC's/COP's/Phenylbutazone	8
Ireland	Pork, fresh	Nitroimidazoles	8
Ireland	Pork, fresh	Ractopamine	8
Ireland	Pork, fresh	Sulfonamides	8
Ireland	Pork, processed	Arsenicals	8
Ireland	Pork, processed	CHC's/COP's/Phenylbutazone	8
Ireland	Pork, processed	Sulfonamides	8
Israel	Chicken, processed	Arsenicals	8
Israel	Chicken, processed	CHC's/COP's/Phenylbutazone	8
Israel	Chicken, processed	Sulfonamides	8
Israel	Other fowl, processed	CHC's/COP's/Phenylbutazone	8
Israel	Other fowl, processed	Sulfonamides	8
Israel	Turkey, processed	Arsenicals	8
Israel	Turkey, processed	CHC's/COP's/Phenylbutazone	8
Israel	Turkey, processed	Sulfonamides	8
Italy	Beef, processed	CHC's/COP's/Phenylbutazone	8
Italy	Beef, processed	Sulfonamides	8
Italy	Pork, processed	Arsenicals	8
Italy	Pork, processed	CHC's/COP's/Phenylbutazone	8
Italy	Pork, processed	Sulfonamides	8
Japan	Beef, fresh	Antibiotics	8
Japan	Beef, fresh	Avermectins	8
Japan	Beef, fresh	CHC's/COP's/Phenylbutazone	8
Japan	Beef, fresh	Chloramphenicol	8
Japan	Beef, fresh	Dexamethazone	8
Japan	Beef, fresh	Flunixin	8
Japan	Beef, fresh	Sulfonamides	8
Mexico	Beef, fresh	Antibiotics	8
Mexico	Beef, fresh	Avermectins	8
Mexico	Beef, fresh	CHC's/COP's/Phenylbutazone	8
Mexico	Beef, fresh	Chloramphenicol	8
Mexico	Beef, fresh	Dexamethazone	8
Mexico	Beef, fresh	Flunixin	8
Mexico	Beef, fresh	Sulfonamides	8
Mexico	Beef, processed	CHC's/COP's/Phenylbutazone	8
Mexico	Beef, processed	Sulfonamides	8
Mexico	Lamb/mutton, fresh	Antibiotics	8
Mexico	Lamb/mutton, fresh	Avermectins	8
Mexico	Lamb/mutton, fresh	CHC's/COP's/Phenylbutazone	8
Mexico	Lamb/mutton, fresh	Sulfonamides	8

Table 9.2 - Continued
2000 FSIS National Residue Program
Import Residue Plan

COUNTRY	PRODUCT	COMPOUND	NO. SAMPLES
Mexico	Pork, fresh	Antibiotics	8
Mexico	Pork, fresh	Arsenicals	8
Mexico	Pork, fresh	Avermectins	8
Mexico	Pork, fresh	Carbadox	8
Mexico	Pork, fresh	CHC's/COP's/Phenylbutazone	8
Mexico	Pork, fresh	Nitroimidazoles	8
Mexico	Pork, fresh	Ractopamine	8
Mexico	Pork, fresh	Sulfonamides	8
Mexico	Pork, processed	Arsenicals	8
Mexico	Pork, processed	CHC's/COP's/Phenylbutazone	8
Mexico	Pork, processed	Sulfonamides	9
Netherlands	Beef/pork, processed	Arsenicals	8
Netherlands	Beef/pork, processed	CHC's/COP's/Phenylbutazone	8
Netherlands	Beef/pork, processed	Sulfonamides	8
Netherlands	Pork, processed	Arsenicals	8
Netherlands	Pork, processed	CHC's/COP's/Phenylbutazone	13
Netherlands	Pork, processed	Sulfonamides	10
New Zealand	Beef , fresh	Antibiotics	82
New Zealand	Beef , fresh	Avermectins	82
New Zealand	Beef, fresh	CHC's/COP's/Phenylbutazone	82
New Zealand	Beef, fresh	Chloramphenicol	82
New Zealand	Beef, fresh	Dexamethazone	8
New Zealand	Beef, fresh	Flunixin	8
New Zealand	Beef, fresh	Sulfonamides	82
New Zealand	Beef, processed	CHC's/COP's/Phenylbutazone	8
New Zealand	Beef, processed	Sulfonamides	8
New Zealand	Beef/pork, processed	Arsenicals	8
New Zealand	Beef/pork, processed	CHC's/COP's/Phenylbutazone	8
New Zealand	Beef/pork, processed	Sulfonamides	8
New Zealand	Goat, fresh	Antibiotics	8
New Zealand	Goat, fresh	Arsenicals	8
New Zealand	Goat, fresh	Avermectins	8
New Zealand	Goat, fresh	CHC's/COP's/Phenylbutazone	8
New Zealand	Goat, fresh	Sulfonamides	8
New Zealand	Lamb/mutton, fresh	Antibiotics	21
New Zealand	Lamb/mutton, fresh	Avermectins	21
New Zealand	Lamb/mutton, fresh	CHC's/COP's/Phenylbutazone	71
New Zealand	Lamb/mutton, fresh	Sulfonamides	21
New Zealand	Lamb/mutton, processed	CHC's/COP's/Phenylbutazone	8
New Zealand	Lamb/mutton, processed	Sulfonamides	8
New Zealand	Veal, fresh	Antibiotics	45
New Zealand	Veal, fresh	CHC's/COP's/Phenylbutazone	45
New Zealand	Veal, fresh	Chloramphenicol	8
New Zealand	Veal, fresh	Sulfonamides	45
Nicaragua	Beef , fresh	Antibiotics	8
Nicaragua	Beef , fresh	Avermectins	8
Nicaragua	Beef, fresh	CHC's/COP's/Phenylbutazone	8
Nicaragua	Beef, fresh	Chloramphenicol	8
Nicaragua	Beef, fresh	Dexamethazone	8
Nicaragua	Beef, fresh	Flunixin	8
Nicaragua	Beef, fresh	Sulfonamides	8

Table 9.2 - Continued
2000 FSIS National Residue Program
Import Residue Plan

COUNTRY	PRODUCT	COMPOUND	NO. SAMPLES
Poland	Pork, processed	Arsenicals	8
Poland	Pork, processed	CHC's/COP's/Phenylbutazone	15
Poland	Pork, processed	Sulfonamides	8
Spain	Pork, processed	Arsenicals	8
Spain	Pork, processed	CHC's/COP's/Phenylbutazone	8
Spain	Pork, processed	Sulfonamides	8
Sweden	Pork, fresh	Antibiotics	8
Sweden	Pork, fresh	Arsenicals	8
Sweden	Pork, fresh	Avermectins	8
Sweden	Pork, fresh	Carbadox	8
Sweden	Pork, fresh	CHC's/COP's/Phenylbutazone	8
Sweden	Pork, fresh	Nitroimidazoles	8
Sweden	Pork, fresh	Ractopamine	8
Sweden	Pork, fresh	Sulfonamides	8
Switzerland	Beef, processed	CHC's/COP's/Phenylbutazone	8
Switzerland	Beef, processed	Sulfonamides	8
Switzerland	Pork, processed	Arsenicals	8
Switzerland	Pork, processed	CHC's/COP's/Phenylbutazone	8
Switzerland	Pork, processed	Sulfonamides	8
UK	Pork, fresh	Antibiotics	8
UK	Pork, fresh	Arsenicals	8
UK	Pork, fresh	Avermectins	8
UK	Pork, fresh	Carbadox	8
UK	Pork, fresh	CHC's/COP's/Phenylbutazone	8
UK	Pork, fresh	Nitroimidazoles	8
UK	Pork, fresh	Ractopamine	8
UK	Pork, fresh	Sulfonamides	8
Uruguay	Beef, fresh	Antibiotics	9
Uruguay	Beef, fresh	Avermectins	9
Uruguay	Beef, fresh	CHC's/COP's/Phenylbutazone	9
Uruguay	Beef, fresh	Chloramphenicol	9
Uruguay	Beef, fresh	Dexamethazone	8
Uruguay	Beef, fresh	Flunixin	8
Uruguay	Beef, fresh	Sulfonamides	9
Uruguay	Beef, processed	CHC's/COP's/Phenylbutazone	8
Uruguay	Beef, processed	Sulfonamides	8
Uruguay	Lamb/mutton, fresh	Antibiotics	8
Uruguay	Lamb/mutton, fresh	Avermectins	8
Uruguay	Lamb/mutton, fresh	CHC's/COP's/Phenylbutazone	8
Uruguay	Lamb/mutton, fresh	Sulfonamides	8
Uruguay	Lamb/mutton, processed	CHC's/COP's/Phenylbutazone	8
Uruguay	Lamb/mutton, processed	Sulfonamides	8

Table 9.3
Summary, 2000 FSIS National Residue Program
Domestic Monitoring Plan and Special Projects and Import Residue Plan

LAB	ANALYSIS	# SAMPLES SCHEDULED	# Domestic Samples	# Imported Samples	NOTES
MWL	Antibiotics - Bioassay (not incl. eggs)	9925	8930	995	
MWL	Antibiotics - Bioassay, eggs	TBD	TBD	TBD	eggs, contingent upon method extension
EL	Arsenicals (incl. eggs)	5066	4420	646	
EL	Avermectins	5818	4900	918	
*	Beta agonists	900	900	0	300 each, f. fed veal, steers, market hogs
MWL	Carbadox	393	300	93	300 roaster pigs, 93 fresh pork
WL	CHC's/COP's/Phenylbutazone	10609	8450	2159	method extension needed for phenylbutazone
EL	Chloramphenicol (Guidebook method)	1193	710	483	300 dairy, 300 f. fed veal, 110 bob veal; 459 fresh beef, 24 fresh veal
MWL	DES /Zeranol, both at ppt level	TBD	TBD	0	f. fed veal, contingent upon increasing sensitivity of method
MWL	Dexamethasone	392	300	92	300 dairy cattle; 92 fresh beef
MWL	Florfenicol	300	300	0	300 dairy cattle
MWL	Flunixin	392	300	92	300 dairy cattle; 92 fresh beef
MWL	Fluoroquinolones	908	900	8	300 dairy cattle, 300 young chicken, 300 market hogs; 8 fresh chicken
EL	Lead	TBD	TBD	TBD	product class TBD; contingent upon increasing sensitivity of method
MWL	MGA (Guidebook method)	500	500	0	250 steers, 250 heifers
MWL	Nitroimidazoles	353	260	93	260 f. fed veal; 93 fresh pork (300 f. fed veal, if possible)
WL	OP's (by CHC/COP method)	TBD	TBD	TBD	contingent upon extension of CHC/COP method
MWL	Ractopamine	393	300	93	300 market hogs; 93 fresh pork
MWL	Spectinomycin	TBD	TBD	TBD	dairy cattle, contingent upon equipment optimization
MWL	Sulfonamides	4000	4000	0	
EL	Sulfonamides (incl. eggs)	5363	3640	1723	
MWL	Tilmicosin	840	840	0	300 dairy cattle, 300 beef cattle, 240 steers
MWL	Vet tranquilizers	300	300	0	300 market hogs
TOTAL, ALL LABS		47645	40250	7395	

*FDA will analyze eyeballs; MWL will analyze livers from positive samples only.

Key:

TBD = To be determined; f.fed veal = formula-fed veal (also known as "fancy veal"); eggs = dried, liquid or frozen egg products

CHC = Chlorinated hydrocarbon; COP = Chlorinated organophosphate; OP = Organophosphate

EL = FSIS Eastern Laboratory, Athens, GA; MWL = FSIS Midwestern Laboratory, St. Louis, MO; WL = FSIS Western Laboratory, Alameda, CA