

**APPENDIX I**  
**U.S. RESIDUE LIMITS**  
**FOR COMPOUNDS**  
**IN MEAT AND POULTRY**

# **APPENDIX I: U.S. RESIDUE LIMITS FOR COMPOUNDS IN MEAT AND POULTRY**

## **INTRODUCTION**

This section provides information on residue limits of potential contaminants in meat and poultry products applied by Food Safety and Inspection Service (FSIS), as of December 31, 1998. These limits include tolerances and action levels developed by the Environmental Protection Agency (EPA) for pesticide chemicals, by the Food and Drug Administration (FDA) for animal drugs and unavoidable contaminants. These limits are derived in most cases from the Code of Federal Regulation (CFR): pesticide limits from 40 CFR 180, those for animal drugs from 21 CFR 556, and unavoidable contaminants from 21 CFR 520, 522, 524, 526, 529 (new animal drug not subject to certification), 540, 544, 546, 548 (antibiotic drugs for use with animals), and 558 (new animal drugs for use in animal feed). This document includes the relevant citations.

Formal tolerances are not established in all cases. For example, tolerance exemptions have been granted by FDA and EPA in approving the use of some pesticides and new animal drugs. For some unavoidable contamination situations, FDA and EPA, upon request, recommend action levels to FSIS; however, tolerances or action levels have not been established for all such situations. FSIS does not permit concentrations of residues in meat and poultry that exceed the residue limits published in this section.

The residue limits for poultry and livestock species are listed alphabetically by compound (which may include a compound's metabolites). The entries include, among other things, CFR or Federal Register (FR) citations for tolerance, and notations of action levels. Entries for animal drugs with "zero" or "no-residue" tolerances also include, in parenthesis, the limits of quantification considered by FDA in approving those drugs in food-producing animals. These limits are used by FDA for enforcement purposes, and are applied by FSIS in determining if products are adulterated. All tolerance and action level units are in parts per million (**ppm**). Please note that CFR is the official source for all tolerances, and the FR is the official source for action levels. If there are any discrepancies between this section and the CFR/FR, use the values the CFR or FR.

Any residue of a new animal drug found in the edible tissues of a species for which the drug is not approved will be considered an adulterant, pending a judgement by FDA that sets an allowable safe concentration. A substance endogenous to the animal tissue would not be considered adulterant.

Unless otherwise indicated, "meat by-products" include kidney and liver.

## **KEY TO ABBREVIATIONS**

EK: Excluding Kidneys  
F: Fat  
K: Kidney  
L: Liver

M: Muscle  
S: Skin  
SF: Skin with fat  
Sm: Skeletal muscle

Et: Edible tissue  
Mb: Meat byproducts  
CFR: Code of Federal Regulation  
FR: Federal Register

(units are parts per million)

<b>Compound</b>	<b>Cattle</b>	<b>Sheep/Goats</b>	<b>Swine</b>	<b>Poultry</b>	<b>Horses</b>	<b>Reference</b>
<b>Acephate &amp; metabolite</b>	0.1F	0.1F	0.1F	0.1F	0.1F	40 CFR 180.108
	0.1M	0.1M	0.1M	0.1M	0.1M	
	0.1Mb	0.1Mb	0.1Mb	0.1Mb	0.1Mb	
<b>2-Acetyl-amino 5-nitrothiazole</b>	-	-	-	0.1Et <sup>1</sup>	-	21 CFR 556.20
<b>Acifluorfen &amp; metabolites</b>	0.02K	0.02K	0.02K	0.02F	0.02K	40 CFR 180.383
	0.02L	0.02L	0.02L	0.02M	0.02L	
	-	-	-	0.02Mb	-	
<b>Aklomide &amp; metabolite</b>	-	-	-	4.5L <sup>2</sup>	-	21 CFR 556.30
	-	-	-	4.5M <sup>2</sup>	-	
	-	-	-	3.0SF <sup>2</sup>	-	
<b>Alachlor &amp; metabolites</b>	0.02F	0.02F	0.02F	0.02F	0.02F	40 CFR 180.249
	0.02M	0.02M	0.02M	0.02M	0.02M	
	0.02Mb	0.02Mb	0.02Mb	0.02Mb	0.02Mb	
<b>Albendazole</b>	0.2L <sup>3</sup>	-	-	-	-	21 CFR 556.34
<b>Aldicarb &amp; metabolites</b>	0.01F	0.01F	0.01F	-	0.1F	40 CFR 180.269
	0.01M	0.01M	0.01M	-	0.01M	
	0.01Mb	0.01Mb	0.01Mb	-	0.01Mb	
<b>Aldrin</b>	0.3F <sup>4</sup>	0.3F <sup>4</sup>	0.3F <sup>4</sup>	0.3F <sup>4</sup>	0.3F <sup>4</sup>	51 FR 46662
<b>4-amino-6-(1,1 dimethyllethyl) 3-(methylthio)-1,2,4-Triazin-5-(4H)-one</b>	0.7F	0.7F	0.7F	0.7F	0.7F	40 CFR 180.332
	0.7M	0.7M	0.7M	0.7M	0.7M	
	0.7Mb	0.7Mb	0.7Mb	0.7Mb	0.7Mb	
<b>Amitraz &amp; metabolites</b>	0.1F	0F	0.1F	0.01F	0F	40 CFR 180.287
	0.05M	0M	0.05M	0.01M	0M	
	0.3Mb	0Mb	0.3Mb	0.05Mb	-	
	-	-	0.2K	-	-	
	-	-	0.2L	-	-	
<b>Amoxicillin</b>	0.01Et	-	-	-	-	21 CFR 556.38
<b>Ampicillin</b>	0.01Et	-	0.01Et	-	-	21 CFR 556.40
<b>Amprolium</b>	2.0F <sup>5</sup>	-	-	1.0K <sup>6</sup>	-	21 CFR 556.50
	0.5K <sup>5</sup>	-	-	1.0L <sup>6</sup>	-	
	0.5L <sup>5</sup>	-	-	0.5M <sup>6</sup>	-	
	0.5M <sup>5</sup>	-	-	-	-	
<b>Apramycin</b>	-	-	0.1K <sup>3</sup>	-	-	21 CFR 556.52

<b>Compound</b>	<b>Cattle</b>	<b>Sheep/Goats</b>	<b>Swine</b>	<b>Poultry</b>	<b>Horses</b>	<b>Reference</b>
<b>Arsenic</b>	-	-	2.0K	0.5M <sup>6</sup>	-	21 CFR 556.60
	-	-	2.0L	2.0Et <sup>6</sup>	-	
	-	-	0.5 Mb	-	-	
	-	-	0.5M	-	-	
<b>Atrazine</b>	0.02F	0.02F	0.02F	0.02F	0.02F	40 CFR 180.220
	0.02M	0.02M	0.02M	0.02M	0.02M	
	0.02Mb	0.02Mb	0.02Mb	0.02Mb	0.02Mb	
<b>Avermectin</b>	0.015 F	-	-	-	-	40 CFR 180.449
	0.02 L	-	-	-	-	54 FR 31836
	0.02 M	-	-	-	-	21 CFR 556.344
	0.02 Mb	-	-	-	-	
<b>Azoxystrobin</b>	0.3L	0.3L	0.2L	0.4L	0.3L	40 CFR 180.507
	0.01M	0.01M	0.01M	0.01M	0.01M	
	0.01F	0.01F	0.01F	0.01F	0.01F	
	0.06K	-	-	-	-	
<b>Bacitracin</b>	0.5Et	-	0.5Et	0.5Et <sup>1,8</sup>	-	21 CFR 556.70
<b>Bambermycin</b>	21	-	-	21	-	21 CFR 556.428
<b>Benomyl &amp; metabolites</b>	0.1F	0.1F	0.1F	0.1F	0.1F	40 CFR 180.294
	-	-	-	0.2L	-	
	0.1M	0.1M	0.1M	0.1M	0.1M	
	0.1Mb	0.1Mb	0.1Mb	0.1Mb	0.1Mb	
<b>Benoxacor</b>	0.01 F	0.01 F	0.01 F	0.01 F	0.01 F	40 CFR 180.460
	0.01 K	0.01 K	0.01 K	-	0.01 K	
	0.01 L	0.01 L	0.01 L	0.01 L	0.01 L	
	0.01 M	0.01 M	0.01 M	0.01 M	0.01 M	
	0.01 Mb	0.01 Mb	0.01 Mb	0.01 Mb	0.01 Mb	
<b>Bentazon &amp; metabolite</b>	0.05F	0.05F	0.05F	0.05F	-	40 CFR 180.355
	0.05M	0.05M	0.05M	0.05M	-	
	0.05Mb	0.05Mb	0.05Mb	0.05Mb	-	
<b>Benzene hexachloride</b>	0.3F <sup>4</sup>	0.3F <sup>4</sup> -	0.3F <sup>4</sup>	0.3F <sup>4</sup>	0.3F <sup>4</sup>	51 FR25697
<b>Bifenthrin</b>	1.0F	1.0F	1.0F	0.05F	1.0 F	40 CFR 180.442
	0.5M	0.5M	0.5M	0.05M	0.5M	
	0.1Mb	0.1Mb	0.1Mb	0.05Mb	0.1Mb	
<b>Bromoxynil</b>	1.0F	1.0F	1.0F	-	1.0F	40 CFR 180.324
	0.5M	0.5M	0.5M	-	0.5M	
	3.0Mb	3.0Mb	3.0Mb	-	3.0Mb	

<b>Compound</b>	<b>Cattle</b>	<b>Sheep/Goats</b>	<b>Swine</b>	<b>Poultry</b>	<b>Horses</b>	<b>Reference</b>
<b>Buprofezin</b>	0.02F	0.02F	0.02F	-	0.02F	40 CFR 180.511
	0.5Mb	0.5Mb	0.5Mb	-	0.5Mb	
	0.02M	0.02M	0.02M	-	0.02M	
<b>Buquinolate</b>	-	-	-	0.4K	-	21 CFR 556.90
	-	-	-	0.4L	-	
	-	-	-	0.1M	-	
	-	-	-	0.4SF	-	
<b>Sec-butylamine</b>	27	-	-	-	-	40 CFR 180.321
	-	-	-	-	-	
	-	-	-	-	-	
	-	-	-	-	-	
	-	-	-	-	-	
<b>Cacodylic acid (as As<sub>2</sub>O<sub>3</sub>)</b>	0.7F	-	-	-	-	40 CFR 180.311
	1.4K	-	-	-	-	
	1.4L	-	-	-	-	
	0.7M	-	-	-	-	
	0.7Mb	-	-	-	-	
<b>Captan</b>	0.05F	-	0.05F	-	-	40 CFR 180.103
	0.05M	-	0.05M	-	-	
	0.05Mb	-	0.05Mb	-	-	
<b>Carbadox &amp; metabolite</b>	-	-	0.03 L	-	-	21 CFR 556.100
<b>Carbaryl &amp; metabolites</b>	0.1F	0.1F	0.1F	5.0 F	0.1F	40 CFR 180.169
	1.0K	1.0K	1.0K	-	1.0K	
	1.0L	1.0L	1.0L	-	1.0L	
	0.1M	0.1M	0.1M	5.0 M	0.1M	
	0.1Mb	0.1Mb	0.1Mb	-	0.1Mb	
<b>Carbofuran &amp; metabolites</b>	0.05F	0.05F	0.05F	-	0.05F	40 CFR 180.254
	0.05M	0.05M	0.05M	-	0.05M	
	0.05Mb	0.05Mb	0.05Mb	-	0.05Mb	
<b>Carbomycin</b>	-	-	-	0 Et <sup>2</sup>	-	21 CFR 556.110
<b>Carbophenothion</b>	0.1F	0.1F	0.1F	-	-	40 CFR 180.156
<b>Carboxin &amp; metabolite</b>	0.1F	0.1F	0.1F	0.1F	0.1F	40 CFR 180.301
	0.1M	0.1M	0.1M	0.1M	0.1M	
	0.1Mb	0.1Mb	0.1Mb	0.1Mb	0.1Mb	
<b>Ceftiofur &amp; metabolites</b>	8.0 K	-	-	-	-	21 CFR 556.115
	2.0 L	-	-	-	-	21 CFR 556.113
	1.0 M	-	-	-	-	
<b>Cephapirin</b>	0.1Et	-	-	-	-	21 CFR 556.115
<b>Chlordane</b>	0.3F <sup>4</sup>	0.3F <sup>4</sup>	0.3F <sup>4</sup>	0.3F <sup>4</sup>	0.3F <sup>4</sup>	51 FR 46665

<b>Compound</b>	<b>Cattle</b>	<b>Sheep/Goats</b>	<b>Swine</b>	<b>Poultry</b>	<b>Horses</b>	<b>Reference</b>
<b>Chlordimeform</b>	0.01F	0.01F	0.01F	0.25F	0.01F	40 CFR 180.285
	0.1M	0.1M	0.1M	0.25M	0.1M	
	0.1Mb	0.1Mb	0.1Mb	0.25Mb	0.1Mb	
<b>Chlorfenapyr</b>	0.1F	0.1F	0.1F	-	0.1F	40CFR 180.513
	0.3Mb	0.3Mb	0.3Mb	-	0.3Mb	
	0.01M	0.01M	0.01M	-	0.01M	
<b>Chlorfenvinphos</b>	0.2F	0.2F	0.005F	0.005F	0.005F	Administrative Guideline/action level
<b>Chlorhexidine</b>	0(0.001)Et <sup>5</sup>	-	-	-	-	21 CFR 556.120
<b>2-Chloro-N-isopropylacetanilide [Propachlor]</b>	0.02F	0.02F	0.02F	0.02F	0.02F	40 CFR 180.211
	0.02M	0.02M	0.02M	0.02M	0.02M	
	0.02Mb	0.02Mb	0.02Mb	0.02Mb	0.02Mb	
<b>Chloroneb</b>	0.2F	0.2F	0.2F	-	0.2F	40 CFR 180.257
	0.2M	0.2M	0.02M	-	0.2M	
	0.2Mb	0.2Mb	0.2Mb	-	0.2Mb	
<b>Beta-(4-chlorophenoxy)-alpha-(1,1-dimethyl-1H-1,2,4-triazole-1-enthalol) [Triadimenol]</b>	0.1F	0.1F	0.1F	0.01F	0.1F	40 CFR 180.450
	0.1M	0.1M	0.1M	0.01M	0.1M	
	0.1Mb	0.1Mb	0.1Mb	0.01Mb	0.1Mb	
<b>1-(4-Chlorophenoxy)-3,3-dimethyl-1-(1H-2,4-triazol-1-yl)-2-butaneone &amp; metabolites [Triadimefon]</b>	1.0F	1.0F	0.04F	0.04F	1.0F	40 CFR 180.410
	1.0M	1.0M	0.04M	0.04M	1.0M	
	1.0Mb	1.0Mb	0.04Mb	0.04Mb	1.0Mb	
<b>2-(m-chlorophenoxy) propionic acid)</b>	28	28	28	28	28	40 CFR 180.325
<b>2-chloro-1-(2,4,5-trichlorophenyl) vinyl dimethyl phosphate [Stirofos, Tetrachlorvinphos]</b>	1.5F	0.5F	1.5F	0.75F	0.5F	40 CFR 180.252
<b>Chlorpropham</b>	0.05F	0.05F	0.05F	0.05F	0.05F	40 CFR 180.319
	0.05M	0.05M	0.05M	0.05M	0.05M	
	0.05Mb	0.05Mb	0.05Mb	0.05Mb	0.05Mb	
<b>Chlorpyrifos &amp; metabolite</b>	0.3F	0.2F	0.2F	0.1F	0.25F	40 CFR 180.342
	0.05M	0.05M	0.05M	0.1M	0.25M	
	0.05Mb	0.05Mb	0.05Mb	0.1Mb	0.25Mb	
<b>Chlorpyrifos-methyl &amp; metabolite</b>	0.5F	0.5F	0.5F	0.5F	0.5F	40 CFR 180.419
	0.5M	0.5M	0.5M	0.5M	0.5M	
	0.5Mb	0.5Mb	0.5Mb	0.5Mb	0.5Mb	

<b>Compound</b>	<b>Cattle</b>	<b>Sheep/Goats</b>	<b>Swine</b>	<b>Poultry</b>	<b>Horses</b>	<b>Reference</b>
<b>Chlorsulfuron</b>	0.3F	0.3F	0.3F	-	0.3F	40 CFR 180.405
	0.3Mb	0.3Mb	0.3Mb	-	0.3Mb	
	0.3M	0.3M	0.3M	-	0.3M	
<b>Chlortetracycline</b>	12.0F <sup>22</sup>	12.0F <sup>10, 22</sup>	12.0F <sup>22</sup>	12.0F <sup>22</sup>	-	21 CFR 556.150
	12.0K <sup>22</sup>	12.0K <sup>10, 22</sup>	12.0K <sup>22</sup>	12.0K <sup>22</sup>	-	
	6.0L <sup>22</sup>	6.0L <sup>10, 22</sup>	6.0L <sup>22</sup>	6.0L <sup>22</sup>	-	
	2.0M <sup>22</sup>	2.0M <sup>10, 22</sup>	2.0M <sup>22</sup>	2.0M <sup>22</sup>	-	
<b>Clethodim</b>	0.2F	0.2F	0.2F	0.2F	0.2F	40 CFR 180.458
	0.2M	0.2M	0.2M	0.2M	0.2M	
	0.2Mb	0.2Mb	0.2Mb	0.2Mb	0.2Mb	
<b>Clofencet</b>	0.04F	0.04F	0.04F	0.04F	0.04F	40 CFR 180.497
	10.0K	10.0K	10.0K	-	10.0K	
	0.5Mb	0.5Mb	0.5Mb	0.2Mb	0.5Mb	
	0.15M	0.15M	0.15M	0.15M	0.15M	
<b>Clofentezine &amp; metabolite</b>	0.05F	0.05F	0.05F	-	0.05F	40 CFR 180.446
	0.4L	0.4L	0.4L	-	0.4L	
	0.05M	0.05M	0.05M	-	0.05M	
	0.05Mb	0.05Mb	0.05Mb	-	0.05Mb	
<b>Clopidol</b>	3.0K	3.0K	0.2Et	15.0K	-	21 CFR 556.160
	1.5L	1.5L	-	15.0L	-	
	0.2M	0.2M	-	5.0M	-	
<b>Clopyralid</b>	1.0F	1.0F	0.2F	0.2F	1.0F	40 CFR 180.431
	12.0K	12.0K	-	-	12.0K	
	1.0M	1.0M	0.2M	0.2M	1.0M	
	1.0Mb	1.0Mb	0.2Mb	0.2Mb	1.0Mb	
<b>Clorsulon</b>	1.0K <sup>11</sup>	-	-	-	-	21 CFR 556.163
<b>Cloxacillin</b>	0.01Et	-	-	-	-	21 CFR 556.165
<b>Coordination product of zinc &amp; maneb</b>	0.5K	0.5K	0.5K	0.5K	0.5K	40 CFR 180.176
	0.5L	0.5L	0.5L	0.5L	0.5L	
<b>Coumaphos &amp; oxygen analog</b>	1.0F	1.0F	1.0F	1.0F	1.0F	40 CFR 180.189
	1.0M	1.0M	1.0M	1.0M	1.0M	
	1.0Mb	1.0Mb	1.0Mb	1.0Mb	1.0Mb	
<b>Cyano (3-phenoxyphenyl)-methyl-4-chloro-a-(1-methyl-ethyl benzene acetate) [Fenvalerate]</b>	1.5F	1.5F	1.5F	-	1.5F	40 CFR 180.379
	1.5M	1.5M	1.5M	-	1.5M	
	1.5Mb	1.5Mb	1.5Mb	-	1.5Mb	

<b>Compound</b>	<b>Cattle</b>	<b>Sheep/Goats</b>	<b>Swine</b>	<b>Poultry</b>	<b>Horses</b>	<b>Reference</b>
<b>Cyclanilide</b>	0.1F	0.1F	0.1F	-	0.1F	40 CFR 180.506
	2.0K	2.0K	2.0K	-	2.0K	
	0.02M	0.02M	0.02M	-	0.02M	
	0.2Mb	0.2Mb	0.2Mb	-	0.2Mb	
<b>Cyfluthrin</b>	5.0F	5.0F	5.0F	0.01F	5.0F	40 CFR 180.436
	0.4M	0.4M	0.4M	0.01M	0.4M	
	0.4Mb	0.4Mb	0.4Mb	0.01Mb	0.4Mb	
<b>Cyhalothrin</b>	3.0F	3.0F	3.0F	0.01F	3.0F	40 CFR 180.438
	0.2M	0.2M	0.2M	0.01M	0.2M	
	0.2Mb	0.2Mb	0.2Mb	0.01Mb	0.2Mb	
<b>Cyhexatin &amp; metabolites</b>	0.2F	0.2F	0.2F	-	0.2F	40 CFR 180.144
	0.5K	0.5K	0.5K	-	0.5K	
	0.5L	0.5L	0.5L	-	0.5L	
	0.2M	0.2M	0.2M	-	0.2M	
	0.2Mb	0.2Mb	0.2Mb	-	0.2Mb	
<b>Cypermethrin</b>	0.05F	0.05F	0.05F	-	0.05F	40 CFR 180.418
	0.05M	0.05M	0.05M	-	0.05M	
	0.05Mb	0.05Mb	0.05Mb	-	0.05Mb	
<b>Cyromazine</b>	-	-	-	0.05F <sup>12</sup>	-	40 CFR 180.414
	-	-	-	0.05M <sup>12</sup>	-	
	-	-	-	0.05Mb <sup>12</sup>	-	
<b>2,4-D &amp; metabolite</b>	0.2F	0.2F	0.2F	0.05Et	0.2F	40 CFR 180.142
	2.0K	2.0K	2.0K	-	2.0K	
	0.2M	0.2M	0.2M	-	0.2M	
	0.2Mb	0.2Mb	0.2Mb	-	0.2Mb	
<b>Dalapon</b>	0.2M	0.2M	0.2M	3.0Et	-	40 CFR 180.150
	0.2Mb	0.2Mb	0.2Mb	9.0K	-	
<b>DDT &amp; metabolites</b>	5.0F <sup>4</sup>	5.0F <sup>4</sup>	5.0F <sup>4</sup>	5.0F <sup>4</sup>	5.0F <sup>4</sup>	51 FR 46658
<b>Decoquinate</b>	2.0Et	2.0Et <sup>13</sup>	-	2.0Et <sup>2,3</sup>	-	21 CFR 556.170
	1.0Sm	1.0Sm <sup>13</sup>	-	1.0Sm <sup>2</sup>	-	
<b>Dialifor &amp; oxygen analog</b>	29	29	-	29	-	40 CFR 180.326
			-	-	-	
<b>Diazinon</b>	0.7F	0.7F <sup>10</sup>	-	-	-	40 CFR 180.153
	0.7M	0.7M <sup>10</sup>	-	-	-	
	0.7Mb	0.7Mb <sup>10</sup>	-	-	-	

<b>Compound</b>	<b>Cattle</b>	<b>Sheep/Goats</b>	<b>Swine</b>	<b>Poultry</b>	<b>Horses</b>	<b>Reference</b>
<b>Dicamba &amp; metabolite</b>	0.2F	0.2F	0.2F	-	0.2F	40 CFR 180.227
	1.5K	1.5K	1.5K	-	1.5K	
	1.5L	1.5L	1.5L	-	1.5L	
	0.2M	0.2M	0.2M	-	0.2M	
	0.2Mb	0.2Mb	0.2Mb	-	0.2Mb	
<b>3,5-Dichloro-N-(1,1-dimethyl-2-propynyl)benzamide &amp; metabolites [Pronamide]</b>	0.02F	0.02F	0.02F	0.02F	0.02F	40 CFR 180.317
	0.4K	0.4K	0.4K	0.2K	0.4K	
	0.4L	0.4L	0.4L	0.2L	0.4L	
	0.02M	0.02M	0.02M	0.02M	0.02M	
	0.02Mb	0.02Mb	0.02Mb	0.02Mb	0.02Mb	
<b>1-[2-(2,4-Dichlorophenyl)-4-propyl-1,3-dioxolan-2-y]methyl]-1H-1,2,4-triazole &amp; metabolites [Propiconazole]</b>	0.1F	0.1F	0.1F	0.1F	0.1F	40 CFR 180.434
	2.0K	2.0K	2.0K	0.2K	2.0K	
	2.0L	2.0L	2.0L	0.2L	2.0L	
	0.1M	0.1M	0.1M	0.1M	0.1M	
	0.1Mb	0.1Mb	0.1Mb	0.1Mb	0.1Mb	
<b>Dichlorvos</b>	0.02F	0.02F	0.1F	0.05F	0.02F	40 CFR 180.235
	0.02M	0.02M	0.1M	0.05M	0.02M	21 CFR 556.180
	0.02Mb	0.02Mb	0.2Mb	0.05Mb	0.02Mb	
<b>Dieldrin</b>	0.3F <sup>4</sup>	0.3F <sup>4</sup>	0.3F <sup>4</sup>	0.3F <sup>4</sup>	0.3F <sup>4</sup>	51 FR 46662
<b>3,7-Dichloro-8-quinoline carboxylic acid</b>	0.05F	0.05F	0.05F	0.05F	0.05F	40 CFR 180.463
	0.05M	0.05M	0.05M	0.05M	0.05M	
	0.05Mb	0.1Mb	0.05Mb	0.1Mb	0.05Mb	
<b>Difenoconazole</b>	0.05F	0.05F	0.05F	0.05F	0.05F	40 CFR 180.475
	0.05M	0.05M	0.05M	0.05M	0.05M	
	0.05Mb	0.05Mb	0.05Mb	0.05Mb	0.05Mb	
<b>Difenoquat</b>	0.05F	0.05F	0.05F	0.05F	0.05F	40 CFR 180.369
	0.05M	0.05M	0.05M	0.05M	0.05M	
	0.05Mb	0.05Mb	0.05Mb	0.05Mb	0.05Mb	
<b>Diflubenzuron</b>	0.05F	0.05F	0.05F	0.05F	0.05F	40 CFR 180.377
	0.05M	0.05M	0.05M	0.05M	0.05M	
	0.05Mb	0.05Mb	0.05Mb	0.05Mb	0.05Mb	
<b>Dihydrostreptomycin</b>	0.5Et	-	0.5Et	-	-	21 CFR 556.200
	2.0K	-	2.0K	-	-	
<b>Dimethipin</b>	0.02F	0.02F	0.02F	-	0.02F	40 CFR 180.406
	0.02M	0.02M	0.02M	-	0.02M	
	0.02Mb	0.02Mb	0.02Mb	-	0.02Mb	
<b>Dimethoate &amp; oxygen analog</b>	0.02F	0.02F	0.02F	0.02F	0.02F	40 CFR 180.204
	0.02M	0.02M	0.02M	0.02M	0.02M	
	0.02Mb	0.02Mb	0.02Mb	0.02Mb	0.02Mb	

<b>Compound</b>	<b>Cattle</b>	<b>Sheep/Goats</b>	<b>Swine</b>	<b>Poultry</b>	<b>Horses</b>	<b>Reference</b>
<b>O,O-dimethyl-S-[(4-oxo-1,2,3-benzotriazin-3(4H)-yl)methyl] phosphorodithioate [Azinphosmethyl]</b>	0.1F 0.1M 0.1Mb	0.1F 0.1M 0.1Mb	- - -	- - -	0.1F 0.1M 0.1Mb	40 CFR 180.154
<b>N,N-dimethylpiperidinium chloride</b>	0.1F 0.1M 0.1Mb	0.1F 0.1M 0.1Mb	0.1F 0.1M 0.1Mb	0.1F 0.1M 0.1Mb	0.1F 0.1M 0.1Mb	40 CFR 180.384
<b>Dimethyl-(2,2,2-trichloro-1-hydroxyethyl) phosphonate</b>	0.1F 0.1M 0.1Mb	0.1F 0.1M 0.1Mb	- - -	- - -	0.1F 0.1M 0.1Mb	40 CFR 180.198
<b>3,5-Dinitrobenzamide</b>	-	-	-	0 Et <sup>2</sup>	-	21 CFR 556.220
<b>Dioxathion</b>	30	30	1.0F	-	1.0F	40 CFR 180.171
<b>Diphenamid</b>	0.05F 0.05M 0.05Mb	0.05F 0.05M 0.05Mb	0.05F 0.05M 0.05Mb	- - -	0.05F 0.05M 0.05Mb	40 CFR 180.230
<b>Diphenylamine</b>	0M	0M	0M	0M	0M	40 CFR 180.190
<b>Dipropyl isocinchomeronate</b>	0.1F 0.1M 0.1Mb	0.1F 0.1M 0.1Mb	0.1F 0.1M 0.1Mb	- - -	0.1F 0.1M 0.1Mb	40 CFR 180.143
<b>Diquat</b>	0.02F 0.02M 0.02Mb	0.02F 0.02M 0.02Mb	0.02F 0.02M 0.02Mb	0.02F 0.02M 0.02Mb	0.02F 0.02M 0.02Mb	40 CFR 180.226
<b>Diuron</b>	1.0F 1.0M 1.0Mb	1.0F 1.0M 1.0Mb	1.0F 1.0M 1.0Mb	- - -	1.0F 1.0M 1.0Mb	40 CFR 180.106
<b>Dodine</b>	0M	0M	0M	0M	0M	40 CFR 180.172
<b>Doramectin</b>	0.1L	-	0.16L	-	-	21 CFR 556.228 21 CFR 556.225
<b>Endosulfan &amp; Metabolite</b>	0.2F 0.2M 0.2Mb	0.2F 0.2M 0.2Mb	0.2F 0.2M 0.2Mb	- - -	0.2F 0.2M 0.2Mb	40 CFR 180.182
<b>Endrin</b>	0.3F <sup>4</sup>	MPI Dir 917.1				
<b>Enrofloxacin</b>	0.1M <sup>33</sup>	-	-	0.3M	-	21 CFR 556.228
<b>Eprinomectin</b>	4.8L	-	-	-	-	21 CFR 556.227
<b>Erythromycin</b>	0.1Et	-	0.1Et	0.125Et	-	21 CFR 556.230

<b>Compound</b>	<b>Cattle</b>	<b>Sheep/Goats</b>	<b>Swine</b>	<b>Poultry</b>	<b>Horses</b>	<b>Reference</b>
<b>Esfenvalerate</b>	-	-	-	0.3F 0.03L 0.3M 0.3MB	-	40 CFR 180.533
<b>Estradiol benzoate &amp; related esters</b>	480F <sup>4,23</sup> 360K <sup>4,23</sup> 240L <sup>4,23</sup> 120M <sup>4,23</sup>	600F <sup>14,23</sup> 600K <sup>14,23</sup> 600L <sup>14,23</sup> 120M <sup>14,23</sup>	- - - -	- - - -	- - - -	21 CFR 556.240
<b>Ethalfluralin</b>	0.05F 0.05M 0.05Mb	0.05F 0.05M 0.05Mb	0.05F 0.05M 0.05Mb	0.05F 0.05M 0.05Mb	0.05F 0.05M 0.05Mb	40 CFR 180.416
<b>Ethephon</b>	0.1F 0.1M 0.1Mb	0.1F 0.1M 0.1Mb	0.1F 0.1M 0.1Mb	- - -	0.1F 0.1M 0.1Mb	40 CFR 180.300
<b>Ethion &amp; oxygen analog</b>	2.5F 2.5M <sup>15</sup> 1.0Mb	0.2F 0.2M 0.2Mb	0.2F 0.2M 0.2Mb	0.2F 0.2M 0.2Mb	0.2F 0.2M 0.2Mb	40 CFR 180.173
<b>Ethofumesate &amp; metabolites</b>	0.05F 0.05M 0.05Mb	0.05F 0.05M 0.05Mb	0.05F 0.05M 0.05Mb	- - -	0.05F 0.05M 0.05Mb	40 CFR 180.345
<b>Ethopabate</b>	- - -	- - -	- - -	1.5K <sup>2</sup> 1.5L <sup>2</sup> 0.5M <sup>2</sup>	- - -	21 CFR 556.260
<b>2-[1-Ethoxyimino]butyl)-5[2-(ethylthio)propyl]-3-hydroxy-2-cyclohexene-1-one &amp; metabolites [Sethoxydim]</b>	0.2F 0.2M 0.2Mb	0.2F 0.2M 0.2Mb	0.2F 0.2M 0.2Mb	0.2F 0.2M 0.2Mb	0.2F 0.2M 0.2Mb	40 CFR 180.412
<b>Ethoxyquin</b>	5.0F - 0.5M	5.0F - 0.5M	5.0F - 0.5M	3.0F 3.0L 0.5M	5.0F - 0.5M	21 CFR 172.140
<b>5-Ethoxy-3-(trichloromethyl)-1,2,4-thiadiazole &amp; metabolite[Etridazole]</b>	0.1F 0.1M 0.1Mb	0.1F 0.1M 0.1Mb	0.1F 0.1M 0.1Mb	0.1F 0.1M 0.1Mb	0.1F 0.1M 0.1Mb	40 CFR 180.370
<b>Ethyl 4,4'-dichlorobenzilate [Chlorobenzilate]</b>	0.5F 0.5M 0.5Mb	0.5F <sup>10</sup> 0.5M <sup>10</sup> 0.5Mb <sup>10</sup>	- - -	- - -	- - -	40 CFR 180.109

<b>Compound</b>	<b>Cattle</b>	<b>Sheep/Goats</b>	<b>Swine</b>	<b>Poultry</b>	<b>Horses</b>	<b>Reference</b>
<b>Ethyl 3-methyl-4-(methylthio)phenyl (1-methylethyl) phosphoramide [Fenamiphos]</b>	0.05F 0.05M 0.05Mb	0.05F 0.05M 0.05Mb	0.05F 0.05M 0.05Mb	- - -	0.05F 0.05M 0.05Mb	40 CFR 180.349
<b>O-Ethyl-O-[4-(methylthio)-phenyl]-S-propyl phosphorodithioate &amp; metabolites [Sulprofos]</b>	0.1F 0.1M 0.1Mb	0.1F 0.1M 0.1Mb	0.1F 0.1M 0.1Mb	0.01F 0.01M 0.01Mb	0.1F 0.1M 0.1MB	40 CFR 180.374
<b>S-[2-(Ethyl sulfinyl)-ethyl] O,O-dimethyl-phosphorodithioate &amp; metabolites [Oxydemeton methyl]</b>	0.01F 0.01M 0.01Mb	0.01F 0.01M 0.01Mb	0.01F 0.01M 0.01Mb	- - -	0.01F 0.01M 0.01Mb	40 CFR 180.330
<b>Famphur</b>	0.1F 0.1M 0.1Mb	- - -	- - -	- - -	-	21 CFR 556.2738
<b>Fenarimol</b>	0.1F 0.1K 0.1L 0.01M 0.01Mb	0.1F 0.1K 0.1L 0.01M 0.01Mb	0.1F 0.1K 0.1L 0.01M 0.01Mb	0.01F - - 0.01M 0.01Mb	0.1F 0.1K 0.1L 0.01M 0.01Mb	40 CFR 180.421
<b>Fenbendazole</b>	0.8L	0.8L <sup>5</sup>	<sup>21</sup>	-	-	21 CFR 556.275
<b>Fenoxyprop-ethyl &amp; metabolites<sup>4</sup></b>	0.05F 0.05M 0.05Mb	0.05F 0.05M 0.05Mb	0.05F 0.05M 0.05Mb	- - -	0.05F 0.05M 0.05Mb	56 FR 42531
<b>Fenprostalene</b>	<sup>21, 24</sup>	-	-	-	-	21 CFR 556.277
<b>Fenpropathrin</b>	1.0F 0.1M 0.1Mb	1.0F 0.1M 0.1Mb	1.0F 0.1M 0.1Mb	0.05F 0.05M 0.05Mb	1.0F 0.1M 0.1Mb	40 CFR 180.466
<b>Fenridazon, potassium salt</b>	0.05F 1.0K 1.0L 0.05M 0.05Mb	0.05F 1.0K 1.0L 0.05M 0.05Mb	0.05F 1.0K 1.0L 0.05M 0.05Mb	0.30F - - 0.30M 0.30Mb	0.05F 1.0K 1.0L 0.05M 0.05Mb	40 CFR 180.423
<b>Fenthion &amp; metabolites</b>	0.1F 0.1M 0.1Mb	-	0.1F 0.1M 0.1Mb	0.1F 0.1M 0.1Mb	-	40 CFR 180.214

<b>Compound</b>	<b>Cattle</b>	<b>Sheep/Goats</b>	<b>Swine</b>	<b>Poultry</b>	<b>Horses</b>	<b>Reference</b>
<b>Fipronil</b>	0.4F	0.4F	0.04F	0.05F	0.04F	40 CFR 180.517
	0.1L	0.1L	0.02L	-	0.1L	
	0.04M	0.04M	0.01M	0.02M	0.04M	
	0.04Mb	0.04Mb	0.01Mb	0.02Mb	0.04Mb	
<b>Florphenicol</b>	3.7L 0.3M	-	-	-	-	21 CFR 556.283
<b>Fluazifop &amp; butyl ester</b>	0.05F	0.05F	0.05F	0.05F	0.05F	40 CFR 180.411
	0.05M	0.05M	0.05M	0.05M	0.05M	
	0.05Mb	0.05Mb	0.05Mb	0.05Mb	0.05Mb	
<b>Flunixin meglumine</b>	0.125L 0.03M					
<b>Fluridone</b>	0.05F	0.05F	0.05F	0.05F	0.05F	40 CFR 180.420
	0.1K	0.1K	0.1K	0.1K	0.1K	
	0.1L	0.1L	0.1L	0.1L	0.1L	
	0.05M	0.05M	0.05M	0.05M	0.05M	
	0.05Mb	0.05Mb	0.05Mb	0.05Mb	0.05Mb	
<b>Fluroxypyrr 1-methylheptyl ester</b>	0.1F	0.1F	0.1F	-	0.1F	40 CFR 180.535
	0.5K	0.5K	0.5K	-	0.5K	
	0.1M	0.1M	0.1M	-	0.1M	
	0.1Mb	0.1Mb	0.1Mb	-	0.1Mb	
<b>N-(3-(1-methylethoxy)phenyl -2-(Trifluoromethyl)benzamide [Flutolanil]</b>	0.1F	0.1F	0.1F	0.05F	0.1F	40 CFR 180.484
	1.0K	1.0K	1.0K	-	1.0K	
	2.0L	2.0L	2.0L	-	2.0L	
	0.05M	0.05M	0.05M	0.05M	0.05M	
	0.05Mb	0.05Mb	0.05Mb	0.05Mb	0.05Mb	
<b>Fluvalinate</b>	0.01F	0.01F	0.01F	0.01F	0.01F	40 CFR 180.427
	0.01M	0.01M	0.01M	0.01M	0.01M	
	0.01Mb	0.01Mb	0.01Mb	0.01Mb	0.01Mb	
<b>Furazolidone</b>	-	-	0 Et	-	-	21 CFR 556.290
<b>Gentamicin sulfate</b>	-	-	0.4F	0.1Et <sup>6</sup>	-	21 CFR 556.300
	-	-	0.4K	-	-	
	-	-	0.3L	-	-	
	-	-	0.1M	-	-	
<b>Glufosinate</b>	0.05F	0.05F	0.05F	0.05F	0.05F	40 CFR 180.473
	0.05M	0.05M	0.05M	0.05M	0.05M	
	0.1Mb	0.1Mb	0.1Mb	0.1Mb	0.1Mb	
<b>Glyphosate &amp; metabolite</b>	4.0K	4.0K	4.0K	0.5K	4.0K	40 CFR 180.364
	0.5L	0.5L	0.5L	0.5L	0.5L	

<b>Compound</b>	<b>Cattle</b>	<b>Sheep/Goats</b>	<b>Swine</b>	<b>Poultry</b>	<b>Horses</b>	<b>Reference</b>
<b>Halofuginone</b>	-	-	-	0.16L <sup>25</sup>	-	21 CFR 556.308
	-	-	-	0.13L <sup>1</sup>	-	
<b>Halosulfuron</b>	0.1M	0.1M	0.1M	-	0.1M	40 CFR 180.479
	0.1Mb	0.1Mb	0.1Mb		0.1Mb	40 CFR 180.479
<b>Haloxon</b>	0.1Et	-	-	-	-	21 CFR 556.310
<b>HCB<sup>4</sup></b>	0.5F	0.5F	0.5F	0.5F	0.5F	MPI Dir 917.1
<b>Heptachlor &amp; heptachlor epoxide<sup>4</sup></b>	0.2F	0.2F	0.2F	0.2F	0.2F	54 FR 33690
	0.2M	0.2M	0.2M	0.2M	0.2M	MPI Dir 917.1
	0.2Mb	0.2Mb	0.2Mb	0.2Mb	0.2Mb	
<b>Hexakis (2-methyl-2-phenylpropyl) distannoxane [Fenbutatin oxide]</b>	0.5F	0.5F	0.5F	0.1F	0.5F	40 CFR 180.362
	0.5M	0.5M	0.5M	0.1M	0.5M	
	0.5Mb	0.5Mb	0.5Mb	0.1Mb	0.5Mb	
<b>Hexazinone &amp; metabolite</b>	0.1F	0.1F	0.1F	-	0.1F	40 CFR 180.396
	0.1M	0.1M	0.1M	-	0.1M	
	0.1Mb	0.1Mb	0.1Mb	-	0.1Mb	
<b>Hygromycin B</b>	-	-	0Et	0Et	-	21 CFR 556.330
<b>Imazalil &amp; metabolites [enilconazole]</b>	0.01F	0.01F	0.01F	-	0.01F	40 CFR 180.413
	0.5L	0.5L	0.5L	-	0.5L	
	0.01M	0.01M	0.01M	-	0.01M	
	0.01Mb	0.01Mb	0.01Mb	-	0.01Mb	
<b>Imidacloprid</b>	0.3F	0.3F	0.3F	0.05F	0.3F	40 CFR 180.472
	0.3M	0.3M	0.3M	0.05M	0.3M	
	0.3Mb	0.3Mb	0.3Mb	0.05Mb	0.3Mb	
<b>Iprodione &amp; metabolites</b>	0.5F	0.5F	0.5F	3.5F	0.5F	40 CFR 180.399
	3.0K	3.0K	3.0K	-	3.0K	
	3.0L	3.0L	3.0L	-	3.0L	
	0.5M	0.5M	0.5M	1.0M	0.5M	
	0.5Mb	0.5Mb	0.5Mb	1.0Mb	0.5Mb	
<b>Isopropyl carbanilate<sup>17</sup> [IPC, Isopropocarb]</b>	31	31	31	31	31	40 CFR 180.319
<b>Isopropyl-m-chlorocarbanilate<sup>17</sup> [CIPC, chlorpropham]</b>	0.05F	0.05F	0.05F	0.05F	0.05F	40CFR 180.3192
	0.05M	0.05M	0.05M	0.05M	0.05M	
	0.05Mb	0.05Mb	0.05Mb	0.05Mb	0.05Mb	
<b>Ivermectin</b>	0.1L	0.03L	0.02L	-	-	21 CFR 566.344

<b>Compound</b>	<b>Cattle</b>	<b>Sheep/Goats</b>	<b>Swine</b>	<b>Poultry</b>	<b>Horses</b>	<b>Reference</b>
<b>Lambda-cyhalothrin</b>	3.0F	3.0F	3.0F	0.03F	3.0F	40 CFR 180.438
	0.2M	0.2M	0.2M	0.01M	0.2M	
	0.2Mb	0.2Mb	0.2Mb	0.01Mb	0.2Mb	
<b>Lasalocid</b>	0.7L <sup>18</sup>	21, 10	-	0.3Sf <sup>2, 18</sup>	-	21 CFR 556.347
<b>Levamisole</b>	0.1Et	0.1Et <sup>10</sup>	0.1Et	-	-	21 CFR 556.350
<b>Lincomycin</b>	-	-	0.1Et	-	-	21 CFR 556.360
<b>Lindane</b>	7.0F	7.0F	4.0F	4.0F	7.0F	40 CFR 180.133 MPI Dir 917.1
<b>Linuron</b>	1.0F	1.0F	1.0F	-	1.0F	40 CFR 180.184
	1.0M	1.0M	1.0M	-	1.0M	
	1.0Mb	1.0Mb	1.0Mb	-	1.0Mb	
<b>Maduramicin</b>	-	-	-	0.38F <sup>8</sup>	-	21 CFR 556.375
<b>Malathion</b>	4.0F	4.0F	4.0F	4.0F	4.0F	40 CFR 180.111
	4.0M	4.0M	4.0M	4.0M	4.0M	
	4.0Mb	4.0Mb	4.0Mb	4.0Mb	4.0Mb	
<b>Maleic hydrazide</b>	3.0F	3.0F	3.0F	0.5F	3.0F	40 CFR 180.175
	7.0L	7.0L	7.0L	0.5L	7.0L	
	32.0K	32.0K	32.0K	-	32.0K	
	2.5M	2.5M	2.5M	0.5M	2.5M	
	-	-	-	1.4Mb	-	
<b>Melengestrol Acetate</b>	0.025F	-	-	-	-	21 CFR 556.380
<b>N-(Mercapto-methyl) phthalimide-S-(O,O-dimethyl phosphoro dithioate) &amp; oxygen analog [Phosmet]</b>	0.2F	0.2F	0.2F	-	0.2F	40 CFR 180.261
	0.2M	0.2M	0.2M	-	0.2M	
	0.2Mb	0.2Mb	0.2Mb	-	0.2Mb	
<b>Metalaxyl &amp; metabolite</b>	0.4F	0.4F	0.4F	0.4F	0.4F	40 CFR 180.408
	0.4K	0.4K	0.4K	0.4K	0.4K	
	0.4L	0.4L	0.4L	0.4L	0.4L	
	0.05M	0.05M	0.05M	0.05M	0.05M	
	0.05Mb	0.05Mb	0.05Mb	0.05Mb	0.05Mb	
<b>Methidathion</b>	0.05F	0.05F	0.05F	0.05F	0.05F	40 CFR 180.298
	0.05M	0.05M	0.05M	0.05M	0.05M	
	0.05Mb	0.05Mb	0.05Mb	0.05Mb	0.05Mb	
<b>Methoprene</b>	1.0F	1.0F	1.0F	1.0F	1.0F	40 CFR 180.359
	0.1M	0.1M	0.1M	0.1M	0.1M	
	0.1Mb	0.1Mb	0.1Mb	0.1Mb	0.1Mb	

<b>Compound</b>	<b>Cattle</b>	<b>Sheep/Goats</b>	<b>Swine</b>	<b>Poultry</b>	<b>Horses</b>	<b>Reference</b>
<b>Methoxychlor</b>	3.0F	3.0F	3.0F	-	3.0F	40 CFR 180.120 MPI Dir 917.1
<b>2-Methyl-4- chlorophenoxy- acetic acid &amp; metabolite [MCPA]</b>	0.1F 0.1M 0.1Mb	0.1F 0.1M 0.1Mb	0.1F 0.1M 0.1Mb	- - -	0.1F 0.1M 0.1Mb	40 CFR 180.339
<b>6-Methyl-1,3- dithiolo [4,5-b] quinoxalin-2-one [Oxythioquinox]</b>	0.05F 0.05M 0.05Mb	0.05F 0.05M 0.05Mb	0.05F 0.05M 0.05Mb	- - -	0.05F 0.05M 0.05Mb	40 CFR 180.338
<b>1-Methylethyl-2-((ethoxy((1-methylethyl) amino) phosphinothioyl)oxy) benzoate &amp; metabolites [Isofenphos]</b>	0.1F 0.1M 0.1Mb	0.1F 0.1M 0.1Mb	0.1F 0.1M 0.1Mb	0.1F 0.1M 0.1Mb	0.1F 0.1M 0.1Mb	40 CFR 180.387
<b>Metolachlor &amp; metabolites</b>	0.02F 0.2K 0.05L 0.02M 0.02Mb	0.02F 0.2K 0.05L 0.02M 0.02Mb	0.02F 0.2K 0.05L 0.02M 0.02Mb	0.02F - 0.05L 0.02M 0.02Mb	0.02F 0.2K 0.05L 0.02M 0.02Mb	40 CFR 180.368
<b>Metoserbate hydrochloride</b>	-	-	-	0.02Et <sup>2</sup>	-	21 CFR 556.410
<b>Metribuzin</b>	0.7F 0.7M 0.7Mb	0.7F 0.7M 0.7Mb	0.7F 0.7M 0.7Mb	0.7F 0.7M 0.7Mb	0.7F 0.7M 0.7Mb	40 CFR 180.332
<b>Metsulfuron methyl</b>	0.1F 0.5K 0.1M 0.1Mb	0.1F 0.5K 0.1M 0.1Mb	0.1F 0.5K 0.1M 0.1Mb	- - - -	0.1F 0.5K 0.1M 0.1Mb	40 CFR 180.428
<b>Mirex</b>	0.1F <sup>4</sup> 0.1M <sup>4</sup> 0.1Mb <sup>4</sup>	51 FR 45114				
<b>Monensin</b>	0.05Et	0.05Et <sup>13</sup>	-	<sup>12</sup>	-	21 CFR 556.420
<b>Morantel tartrate</b>	0.7L <sup>19</sup>	0.7L <sup>13, 19</sup>	-	-	-	21 CFR 556.425
<b>Moxidectin</b>	0.05M 0.02L					21 CFR 556.426

<b>Compound</b>	<b>Cattle</b>	<b>Sheep/Goats</b>	<b>Swine</b>	<b>Poultry</b>	<b>Horses</b>	<b>Reference</b>
<b>Myclobutanol &amp; metabolite</b>	0.05F 1.0L 0.1M 0.2Mb	0.05F 1.0L 0.1M 0.2Mb	0.05F 1.0L 0.1M 0.2Mb	0.02F - 0.02M 0.02Mb	0.05F 1.0L 0.1M 0.2Mb	40 CFR 180.443
<b>Naled &amp; metabolite</b>	0.05F 0.05M 0.05Mb	0.05F 0.05M 0.05Mb	0.05F 0.05M 0.05Mb	0.05F 0.05M 0.05Mb	0.05F 0.05M 0.05Mb	40 CFR 180.215
<b>Narasin</b>	-	-	-	12, 2	-	21 CFR 556.428
<b>Neomycin</b>	7.2F 7.2K 3.6L 1.2M	7.2F 7.2K 3.6L 1.2M	7.2F 7.2K 3.6L 1.2M	- - - -	-	21 CFR 556.430
<b>Nequinone</b>	-	-	-	0.1Et <sup>2</sup>	-	21 CFR 556.440
<b>Nicarbazine</b>	- - - -	- - - -	- - - -	4.0K <sup>2</sup> 4.0L <sup>2</sup> 4.0M <sup>2</sup> 4.0S <sup>2</sup>	-	21 CFR 556.445
<b>Nicotine</b>	- - -	- - -	- - -	1.0F 1.0M 1.0Mb	-	40 CFR 180.167a
<b>Nitrapyrin &amp; metabolite</b>	0.05F 0.05M 0.05Mb	0.05F 0.05M 0.05Mb	0.05F 0.05M 0.05Mb	0.05F 0.05M 0.05Mb	0.05F 0.05M 0.05Mb	40 CFR 180.350
<b>Norflurazon</b>	0.1F 0.1M 0.1Mb 0.25L	0.1F 0.1M 0.1Mb 0.25L	0.1F 0.1M 0.1Mb 0.25L	0.1F 0.1M 0.1Mb -	0.1F 0.1M 0.1Mb 0.25L	40 CFR 180.356
<b>Novobiocin</b>	1.0Et	-	-	1.0Et	-	21 CFR 556.460
<b>Nystatin</b>	-	-	0(5.6)Et	0(5.6)Et	-	21 CFR 556.470
<b>N-Octyl bicycloheptene-dicarboxamide</b>	0.3F	0.3F	0.3F	-	0.3F	40 CFR 180.367
<b>Oleandomycin</b>	-	-	0.15Et	0.15Et	-	21 CFR 556.480
<b>Ormetoprim</b>	-	-	-	0.1Et	-	21 CFR 556.490
<b>Oxadiazon &amp; metabolites</b>	0.01F 0.01M 0.01Mb	0.01F 0.01M 0.01Mb	0.01F 0.01M 0.01Mb	- - -	0.01F 0.01M 0.01Mb	40 CFR 180.346

<b>Compound</b>	<b>Cattle</b>	<b>Sheep/Goats</b>	<b>Swine</b>	<b>Poultry</b>	<b>Horses</b>	<b>Reference</b>
<b>Oxfendazole</b>	0.8L	-	-	-	-	21 CFR 556.495
<b>Oxyfluorfen &amp; metabolites</b>	0.05F 0.05M 0.05Mb	0.05F 0.05M 0.05Mb	0.05F 0.05M 0.05Mb	0.05F 0.05M 0.05Mb	0.05F 0.05M 0.05Mb	40 CFR 180.381
<b>Oxytetracycline</b>	12.0F <sup>22</sup> 12.0K <sup>22</sup> 6.0L <sup>22</sup> 2.0M <sup>22</sup>	12.0F <sup>10, 22</sup> 12.0K <sup>10, 22</sup> 6.0L <sup>10, 22</sup> 2.0M <sup>10, 22</sup>	12.0F <sup>22</sup> 12.0K <sup>22</sup> 6.0L <sup>22</sup> 2.0M <sup>22</sup>	12.0F <sup>22</sup> 12.0K <sup>22</sup> 6.0L <sup>22</sup> 2.0M <sup>22</sup>	-	21 CFR 556.500
<b>Paraquat</b>	0.05F 0.3K 0.05M 0.05Mb	0.05F 0.3K 0.05M 0.05Mb	0.05F 0.3K 0.05M 0.05Mb	0.01F - 0.01M 0.01Mb	0.3F 0.3K 0.05M 0.05Mb	40 CFR 180.205
<b>PCB's<sup>20</sup></b>	-	-	-	3.0F <sup>4</sup>	-	21 CFR 109.30
<b>Penicillin</b>	0.05Et	0 Et	0 Et	0 Et	-	21 CFR 556.510
<b>Permethrin &amp; metabolites</b>	3.0F 0.25M 2.0Mb	3.0F 0.25M 2.0Mb	3.0F 0.25M 3.0Mb	0.15F 0.05M 0.25Mb	3.0F 0.25M 2.0Mb	40 CFR 180.378
<b>Phorate &amp; metabolite</b>	0.05F 0.05M 0.05Mb	0.05F 0.05M 0.05Mb	0.05F 0.05M 0.05Mb	0.05F 0.05M 0.05Mb	0.05F 0.05M 0.05Mb	40 CFR 180.206
<b>Phosalone</b>	32	32	32	-	32	40 CFR 180.263
<b>Picloram</b>	0.2F 5.0K 0.5L 0.2M 0.2Mb	0.2F 5.0K 0.5L 0.2M 0.2Mb	0.2F 5.0K 0.5L 0.2M 0.2Mb	0.05F - - 0.05M 0.05Mb	0.2F 5.0K 0.5L 0.2M 0.2Mb	40 CFR 180.292
<b>Piperonyl butoxide</b>	0.1F 0.1M 0.1Mb	0.1F 0.1M 0.1Mb	0.1F 0.1M 0.1Mb	3.0F 3.0M 3.0Mb	0.1F 0.1M 0.1Mb	40 CFR 180.127
<b>Pirimiphos methyl &amp; metabolites</b>	0.2F 2.0K 2.0L 0.2M 0.2Mb	0.2F 2.0K 2.0L 0.2M 0.2Mb	0.2F 2.0K 2.0L 0.2M 0.2Mb	0.2F 2.0K 2.0L 0.2M 0.2Mb	0.2F 2.0K 2.0L 0.2M 0.2Mb	40 CFR 180.409
<b>Pirlimycin</b>	0.5L	-	-	-	-	21 CFR 556.575

<b>Compound</b>	<b>Cattle</b>	<b>Sheep/Goats</b>	<b>Swine</b>	<b>Poultry</b>	<b>Horses</b>	<b>Reference</b>
<b>Primisulfuron methyl</b>	0.1F	0.1F	0.1F	0.1F	0.1F	40 CFR 180.452
	0.1M	0.1M	0.1M	0.1M	0.1M	
	0.1Mb	0.1Mb	0.1Mb	0.1Mb	0.1Mb	
<b>Profenofos &amp; metabolites</b>	0.05F	0.05F	0.05F	0.05F	0.05F	40 CFR 180.404
	0.05M	0.05M	0.05M	0.05M	0.05M	
	0.05Mb	0.05Mb	0.05Mb	0.05Mb	0.05Mb	
<b>Progesterone</b>	0.012F <sup>26</sup>	0.15F <sup>26</sup>	-	-	-	21 CFR 556.540
	0.009K <sup>26</sup>	0.015K <sup>26</sup>	-	-	-	
	0.006L <sup>26</sup>	0.015L <sup>26</sup>	-	-	-	
	0.003M <sup>26</sup>	0.003M <sup>26</sup>	-	-	-	
<b>Propamocarb Hydrichloride</b>	0.1F	0.1F	0.1F	-	0.1F	40 CFR 180.499
	0.1M	0.1M	0.1M	-	0.1M	
	0.1Mb	0.1Mb	0.1Mb	-	0.1Mb	
<b>Propanil &amp; metabolites</b>	0.1F	0.1F	0.1F	0.1F	0.1F	40 CFR 180.274
	0.1M	0.1M	0.1M	0.1M	0.1M	
	0.1Mb	0.1Mb	0.1Mb	0.1Mb	0.1Mb	
<b>Propargite</b>	0.1F	0.1F	0.1F	0.1F	0.1F	40 CFR 180.259
	0.1M	0.1M	0.1M	0.1M	0.1M	
	0.1Mb	0.1Mb	0.1Mb	0.1Mb	0.1Mb	
<b>Propham</b>	0.05F	0.05F	0.05F	0.05F	0.05F	40 CFR 180.319
	0.05M	0.05M	0.05M	0.05M	0.05M	
	0.05Mb	0.05Mb	0.05Mb	0.05Mb	0.05Mb	
<b>Prosulfuron</b>	0.05F	0.05F	0.05F	-	0.05F	40 CFR 188.481
	0.05M	0.05M	0.05M	-	0.05M	
	0.05Mb	0.05Mb	0.05Mb	-	0.05Mb	
<b>Pyrantel tartrate</b>	-	-	10.0K	-	-	21 CFR 556.560
	-	-	10.0L	-	-	
	-	-	1.0M	-	-	
<b>Pyrethins</b>	0.1F	0.1F	0.1F	0.2F	0.1F	40 CFR 180.128
	0.1M	0.1M	0.1M	0.2M	0.1M	
	0.1Mb	0.1Mb	0.1Mb	0.2Mb	0.1Mb	
<b>Pyridaben</b>	0.05F	0.05F	0.05F	-	0.05F	40 CFR 180.494
	0.05M	0.05M	0.05M	-	0.05M	
	0.05Mb	0.05Mb	0.05Mb	-	0.05Mb	
<b>Quizalofop ethyl &amp; metabolites</b>	0.05F	0.05F	0.05F	0.05F	0.05F	40 CFR 180.441
	0.02M	0.02M	0.02M	0.02M	0.02M	
	0.05Mb	0.05Mb	0.05Mb	0.05Mb	0.05Mb	

<b>Compound</b>	<b>Cattle</b>	<b>Sheep/Goats</b>	<b>Swine</b>	<b>Poultry</b>	<b>Horses</b>	<b>Reference</b>
<b>Robenidine hydrochloride</b>	-	-	-	0.2F <sup>2</sup>	-	21 CFR 556.580
	-	-	-	0.2S <sup>2</sup>	-	
	-	-	-	0.1Et <sup>2</sup>	-	
<b>Sarafloxacin</b>	-	-	-	21	-	21 CFR 556.594
<b>Sethoxydim</b>	0.2F	0.2F	0.2F	0.2F	0.2F	21 CFR 180.412
	0.2M	0.2M	0.2M	0.2M	0.2M	
	0.2Mb	0.2Mb	0.2Mb	0.2Mb	0.2Mb	
<b>Simazine</b>	0.02F	0.02F	0.02F	0.02F	0.02F	40 CFR 180.213
	0.02M	0.02M	0.02M	0.02M	0.02M	
	0.02Mb	0.02Mb	0.02Mb	0.02Mb	0.02Mb	
<b>Sodium acifuorfen</b>	0.02K	0.02K	0.02K	0.02F	0.02K	40 CFR 180.383
	0.02L	0.02L	0.02L	0.02M	0.02L	
				0.02Mb		
<b>Spectinomycin</b>	4.0K	-	-	0.1Et	-	21 CFR 556.600
	0.4M					
<b>Spinosad</b>	0.6F	0.6F	0.6F	-	0.6F	40 CFR 180.495
	0.04M	0.04M	0.04M	-	0.04M	
	0.2Mb	0.2Mb	0.2Mb	-	0.2Mb	
<b>Streptomycin</b>	2.0K <sup>5</sup>	-	2.0K	2.0K	-	21 CFR 556.610
	0.5Et <sup>5</sup>	-	0.5Et	0.5Et	-	
<b>Sulfabromomethazine</b>	0.1Et	-	-	-	-	21 CFR 556.620
<b>Sulfachloropyrazine</b>	-	-	-	0Et <sup>2</sup>	-	21 CFR 556.625
<b>Sulfachloropyridazine</b>	0.1Et <sup>5</sup>	-	0.1Et	-	-	21 CFR 556.630
<b>Sulfadimethoxine</b>	0.1Et	-	-	0.1Et	-	21 CFR 556.640
<b>Sulfaethoxypyridazine</b>	0.1Et	-	0Et	-	0Et	21 CFR 556.650
<b>Sulfamethazine</b>	0.1Et	-	0.1Et	0.1Et	-	21 CFR 556.670
<b>Sulfanitran &amp; metabolites</b>	-	-	-	0Et	-	21 CFR 556.680
<b>Sulfathiazole</b>	-	-	0.1Et	-	-	21 CFR 556.690
<b>Sulfaquinoxaline</b>	0.1Et	-	-	0.1Et	-	21 CFR 520.2325a
<b>Sulfomyxin</b>	-	-	-	0(0.1)Et	-	21 CFR 556.700

<b>Compound</b>	<b>Cattle</b>	<b>Sheep/Goats</b>	<b>Swine</b>	<b>Poultry</b>	<b>Horses</b>	<b>Reference</b>
<b>Tebufenozide</b>	0.1F	0.1F	-	-	-	40 CFR 180.482
	0.02K	0.02K	-	-	-	
	1.0L	1.0L	-	-	-	
	0.1Mb	0.1Mb	-	-	-	
	0.02M	0.02M	-	-	-	
<b>Tebuconazole</b>	0.2Mb	0.2Mb	0.2Mb	0.2Mb	0.2Mb	40 CFR 180.474
<b>Tebuthiuron &amp; metabolites</b>	2.0F	2.0F	-	-	2.0F	40 CFR 180.390
	2.0M	2.0M	-	-	2.0M	
	2.0Mb	2.0Mb	-	-	2.0Mb	
<b>Terbacil &amp; metabolites</b>	0.1F	0.1F	0.1F	-	0.1F	40 CFR 180.209
	0.1M	0.1M	0.1M	-	0.1M	
	0.1Mb	0.1Mb	0.1Mb	-	0.1Mb	
<b>Testosterone propionate</b>	0.0026F <sup>34</sup>	-	-	-	-	21 CFR 566.170
	0.0019K <sup>34</sup>	-	-	-	-	
	0.0013L <sup>34</sup>	-	-	-	-	
	0.00064M <sup>34</sup>	-	-	-	-	
<b>Tetracycline</b>	12.0F <sup>22</sup>	12.0F <sup>10, 22</sup>	12.0F <sup>22</sup>	12.0F <sup>22</sup>	12.0F <sup>22</sup>	21 CFR 567.720
	12.0K <sup>22</sup>	12.0K <sup>10, 22</sup>	12.0K <sup>22</sup>	12.0K <sup>22</sup>	12.0K <sup>22</sup>	
	6.0L <sup>22</sup>	6.0L <sup>10, 22</sup>	6.0L <sup>22</sup>	6.0L <sup>22</sup>	6.0L <sup>22</sup>	
	2.0M <sup>22</sup>	2.0M <sup>10, 22</sup>	2.0M <sup>22</sup>	2.0M <sup>22</sup>	2.0M <sup>22</sup>	
<b>Tetradifon</b>	0M	0M	0M	0M	0M	40 CFR 180.174
<b>Thiabendazole &amp; metabolites</b>	0.1Et	0.1Et	0.1Et	-	0.1Et	21 CFR 556.730
	0.1F	0.1F	0.1F	0.1F	0.1F	40 CFR 180.242
	0.1M	0.1M	0.1M	0.1M	0.1M	
	0.1Mb	0.1Mb	0.1Mb	0.1Mb	0.1Mb	
<b>Thidiazuron &amp; metabolites</b>	0.2F	0.2F	0.2F	0.2F	0.2F	40 CFR 180.403
	0.2M	0.2M	0.2M	0.2M	0.2M	
	0.2Mb	0.2Mb	0.2Mb	0.2Mb	0.2Mb	
<b>Thiobencarb &amp; metabolites</b>	0.2F	0.2F	0.2F	0.2F	0.2F	40 CFR 180.401
	0.2M	0.2M	0.2M	0.2M	0.2M	
	0.2Mb	0.2Mb	0.2Mb	0.2Mb	0.2Mb	
<b>Thiophanate methyl &amp; metabolites</b>	0.1F	0.1F	0.1F	0.1F	0.1F	40 CFR 180.371
	0.2K	0.2K	-	-	-	
	0.1Mb	0.1Mb	0.1Mb	0.1Mb	0.1Mb	
	0.1M	0.1M	0.1M	0.1M	0.1M	
	2.5L	2.5L	1.0L	0.2L	1.0L	
<b>Tiamulin</b>	-	-	0.6L	-	-	21 CFR 556.738
<b>Tilmicosin</b>	1.2L	-	7.5L	-	-	21 CFR 556.735

<b>Compound</b>	<b>Cattle</b>	<b>Sheep/Goats</b>	<b>Swine</b>	<b>Poultry</b>	<b>Horses</b>	<b>Reference</b>
<b>Toxaphene</b>	7.0F	7.0F	7.0F	7.0F	7.0F	40 CFR 180.138
<b>Trenbolone</b>	<sup>21</sup> -	-	-	-	-	21 CFR 556.739
<b>Triadimefon</b>	1.0F 1.0M 1.0Mb	1.0F 1.0M 1.0Mb	0.04F 0.04M 0.04Mb	0.04F 0.04M 0.04Mb	1.0F 1.0M 1.0Mb	40 CFR 180.410
<b>Triasulfuron<sup>21</sup></b>	0.1F 0.5K 0.1M 0.1Mb	0.1F 0.5K 0.1M 0.1Mb	0.1F 0.5K 0.1M 0.1Mb	- - - -	0.1F 0.5K 0.1M 0.1Mb	57 FR 8845 40 CFR 180.459
<b>S,S,S-Tributyl phosphoro-trithioate</b>	0.02F 0.02M 0.02Mb	0.02F 0.02M 0.02Mb	- - -	- - -	-	40 CFR 180.272
<b>Trichlorfon</b>	0.1F 0.1M 0.1Mb	0.1F 0.1M 0.1Mb	- - -	- - -	0.1F 0.1M 0.1Mb	40 CFR 180.198
<b>Triclopyr &amp; metabolites</b>	0.05F 0.5K 0.5L 0.05M 0.05Mb	0.05F 0.5K 0.5L 0.05M 0.05Mb	0.05F 0.5K 0.5L 0.05M 0.05Mb	- - - - -	0.05F 0.5K 0.5L 0.05M 0.05Mb	40 CFR 188.417
<b>Triflumazole</b>	0.5F 0.05M 0.5Mb	0.5F 0.05M 0.5Mb	0.5F 0.05M 0.5Mb	0.05F 0.05M 0.1Mb	0.5F 0.05M 0.5Mb	CFR 180.476
<b>Tripelennamine</b>	0.2Et	-	-	-	-	21 CFR 556.741
<b>Triphenyltin hydroxide</b>	0.05K 0.05L	0.05K 0.05L	0.05K 0.05L	- -	0.05K 0.05L	40 CFR 180.236
<b>Trisulfuron</b>	0.1F 0.1M 0.1Mb	0.1F 0.1M 0.1Mb	0.1F 0.1M 0.1Mb	- - -	0.1F 0.1M 0.1Mb	40 CFR 180.459
<b>Tylosin</b>	0.2F 0.2K 0.2L 0.2M	-	0.2F 0.2K 0.2L 0.2M	0.2F 0.2K 0.2L 0.2M	-	21 CFR 556.740
<b>Virginiamycin</b>	<sup>21</sup> -	-	0.4F 0.4K 0.3L 0.1M 0.4S	0.2F <sup>16</sup> 0.5K <sup>16</sup> 0.3L <sup>16</sup> 0.1M <sup>16</sup> 0.2S <sup>16</sup>	-	21 CFR 556.750

<b>Compound</b>	<b>Cattle</b>	<b>Sheep/Goats</b>	<b>Swine</b>	<b>Poultry</b>	<b>Horses</b>	<b>Reference</b>
<b>Zeranol</b>	<sup>21</sup> 0 Et <sup>10</sup>	-	-	-	-	21 CFR 556.760
<b>Zeta-cypermethrin</b>	0.05F 0.05M 0.05Mb	0.05F 0.05M 0.05Mb	0.05F 0.05M 0.05Mb	-	0.05F 0.05M 0.05Mb	40 CFR 180.418
<b>Zoalene &amp; metabolite</b>	- - - -	- - - -	- - - -	2.0F <sup>2</sup> 6.0K <sup>2</sup> 6.0L <sup>2</sup> 3.0M <sup>2</sup> 3.0L <sup>1</sup> 3.0L <sup>1</sup>	- - - -	21 CFR 556.770

<sup>1</sup> Turkeys only

<sup>2</sup> Chickens only

<sup>3</sup> Tolerance for marker residue

<sup>4</sup> Action level

<sup>5</sup> Calves only

<sup>6</sup> Chickens and turkeys

<sup>7</sup> Tolerances (for residues resulting from use as a pesticide) established until September 1, 1999

<sup>8</sup> Also, pheasants and quail

<sup>9</sup> No more than 0.02 can be carbamates

<sup>10</sup> Sheep only

<sup>11</sup> Tolerances for clorsulon corresponds to 3.0 ppm total residues in kidney

<sup>12</sup> Chicken layer hens & breeder hens, tolerance for parent cyromazine; an additional tolerance of 0.05 for F, M and Mb exists for the metabolite, melamine

<sup>13</sup> Goats only

<sup>14</sup> Lambs only (ppt); above concentrations naturally present

<sup>15</sup> Fat basis only

<sup>16</sup> Broiler chickens

<sup>17</sup> Interim Tolerance

<sup>18</sup> Tolerance for parent lasalocid.

<sup>19</sup> Tolerance for marker residue N-methyl-1,3-propanediamine(MAPA)

<sup>20</sup> The temporary tolerances for unavoidable residues of PCB's in infant & junior foods are 0.2 ppm and 3 ppm, respectively [21 CFR 109.30(a)(3,8)].

<sup>21</sup> No tolerance required

<sup>22</sup> Sum of residues of all tetracyclines

<sup>23</sup> Parts per trillion

<sup>24</sup> Concentration for the total residues of Fenprostalene in uncooked edible tissues of cattle are:

0.01 ppm M, 0.02 ppm L, 0.03 ppm K, 0.04 ppm F and 0.1 ppm in injection site

<sup>25</sup> Broilers only

<sup>26</sup> Above concentrations naturally present

<sup>27</sup> Revoked 10/98 40 CFR 180.321, 186.450

<sup>28</sup> Revoked 10/98 40 CFR, 180.325, 186.850

<sup>29</sup> Revoked 10/98 40 CFR, 180.326, 185.1650, 186.1650

<sup>30</sup> Revoked 10/98 40 CFR, 180.171, 186.2450

<sup>31</sup> Revoked 10/98 40 CFR, 180.319

<sup>32</sup> Revoked 10/98 40 CFR, 180.263, 185.4800, 186.4800

<sup>33</sup> Desethyl ciprofloxacin is the marker residue

<sup>34</sup> Heifers,steers,and calves; above concentrations naturally present.