Cattle Tolerances by Drug in ppb as of 2/28/2016

2,4-D and metabolite(s)

Date Revised 9/23/2009

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.142
Cattle, all use classes	300	4000		300	300				50						

Compliance with the tolerance levels is to be determined by measuring residues of 2,4-D (2,4-dichlorophenoxyacetic acid), both free and conjugated, determined as the acid, in or on the commodities above.

2,6-DIPN

Date Revised 6/1/2012

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.590
Cattle, all use classes	200			20	20					20					

Tolerances are established for residues of the growth inhibitor 2,6-DIPN, including its metabolites and degradates, in or on the commodities above. Compliance with the tolerance levels specified above is to be determined by measuring only 2,6-Diisopropylnaphthalene.

abamectin [avermectin B1]

Date Revised 8/7/2009

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.449
Cattle, all use classes	30			20	60				5					9/7/1999	

Tolerances are established for residues of abamectin (avermectin), including its metabolites and degradates, in or on the commodities above. Compliance with the tolerance levels specified above is to be determined by measuring only avermectin B1[a mixture of avermectins containing greater than or equal to 80% avermectin B1a(5- O -demethyl avermectin A1) and less than or equal to 20% avermectin B1b(5- O -demethyl-25-de(1-methylpropyl)-25-(1-methylethyl) avermectin A1)] and its delta-8,9-isomer in or on the commodities above.

acephate and metabolite(s)

Date Revised 3/20/1998

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.108
Cattle, all use classes	100			100	100				100						

Tolerances are established for residues of acephate, O,S -dimethyl acetyl phosphoramidothioate, including its metabolites and degradates other than methamidophos, in or on the commodities above. Compliance with the tolerance levels specified in this paragraph is to be determined by measuring only acephate, O,S -dimethyl acetyl phosphoramidothioate, in or on the commodity.

acetamiprid

Date Revised 6/19/2013

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.578
Cattle, all use classes	200			300	700				300						

Tolerances are established for residues of the insecticide acetamiprid (1 E)- N -[(6-chloro-3-pyridinyl)methyl]- N' -cyano- N -methylethanimidamide, including its metabolites and degradates, in or on the commodities in the table below as a result of the application of acetamiprid. Compliance with the tolerance levels specified below is to be determined by measuring acetamiprid and (1 E)- N -[(6-chloro-3-pyridinyl)methyl]- N' -cyano- N -ethanimidamide in or on the commodities above.

alachlor and metabolite(s)

Date Revised ages ago

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.249
Cattle, all use classes	20			20	20				20						

Tolerances are established for combined residues of alachlor (2-chloro-2',6'-diethyl- N -(methoxymethyl)acetanilide) and its metabolites which can be converted to 2,6-diethylaniline (DEA) or 2-ethyl-6-(1-hydroxyethyl)aniline (1-HEEA) upon basic hydrolysis, calculated as alachlor in or on the raw agricultural commodities above.

aldrin

Date Revised 4/17/1990

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:129.100
Cattle, all use classes										300 (AL)					

ACTION LEVELS for unavoidable residues of pesticides. Registrations for all food uses of both pesticides canceled by EPA in 1975.

amicarbazone

Date Revised 9/23/2005

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.615
Cattle, all use classes	10		1000	10	100				10						

Tolerances are established for combined residues of the herbicide, amicarbazone [4-amino-4, 5-dihydro- N-(1,1-dimethylethyl)-3-(1-methylethyl)-5-oxo-1H-1,2,4-triazole-1-carboxamide] and its metabolites DA amicarbazone [N-(1,1-dimethylethyl)-4,5-dihydro-3-(1-methylethyl)-5-oxo-1H-1,2,4-triazole-1-carboxamide] and iPr-2-OH DA amicarbazone [N-(1,1-dimethylethyl)-4,5-dihydro-3-(1-hydroxy-1-methylethyl)-5-oxo-1H-1,2,4-triazole-1-carboxamide], calculated as parent equivalents, in or on the commodities above.

aminopyralid

Date Revised 8/10/2005

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.610
Cattle, all use classes	20	300		20	20				30						

Tolerances are established for residues of the herbicide aminopyralid, 4-amino-3,6-dichloro-2-pyridinecarboxylic acid, including its metabolites and degradates, in or on the commodities above. Compliance with the tolerance levels specified below is to be determined by measuring only aminopyralid.

amitraz and metabolite(s)

Date Revised 6/13/2007

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.287
Cattle, all use classes	100			20	200				30	200					

Tolerances are established for residues of the insecticide amitraz (N'-[2,4-dimethylphenyl]-N- [[(2,4-dimethylphenyl)imino] methyl]]- N-methylmethanimidamide) and its metabolites containing the 2,4-dimethylaniline moiety (calculated as the parent) in or on the food commodities above.

amoxicillin

Date Revised ages ago

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	21:556.38
Cattle, all use classes						10*			10						

***Note:** A tolerance of 10 ppb is established for negligible residues of amoxicillin in milk and in the uncooked edible tissues of cattle.*

ampicillin

Date Revised ages ago

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	21:556.40
Cattle, all use classes						10*			10						

***Note:** A tolerance of 10 p/b is established for negligible residues of ampicillin in the uncooked edible tissues of cattle and in milk.*

asulam and metabolite(s)

Date Revised 9/20/2006

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.360
Cattle, all use classes	50			50	200				50						

atrazine

Date Revised 9/14/2011

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.220
Cattle, all use classes	20			20	20				20						

Tolerances are established for the combined residues of the herbicide atrazine (2-chloro-4-ethylamino-6-isopropylamino-s-triazine) and its chlorinated metabolites 2-amino-4-chloro-6-isopropylamino-s-triazine, 2-amino-4-chloro-6-ethylamino-s-triazine, and 2,4-diamino-6-chloro-s-triazine, in or on the food commodities above.

azoxystrobin

Date Revised 9/29/2000

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.507
Cattle, all use classes	30			10	70				6						

Tolerances are established for residues of the fungicide, azoxystrobin, including its metabolites and degradates, in or on the commodities above. Compliance with the tolerance levels specified in the table is to be determined by measuring only the sum of azoxystrobin, [methyl(E)-2-(2-(6-(2-cyanophenoxy) pyrimidin-4-yloxy)phenyl)-3-methoxyacrylate], and the Z-isomer of azoxystrobin [methyl(Z)-2-(2-(6-(2-cyanophenoxy)pyrimidin-4-yloxy)phenyl)-3 methoxyacrylate] in or on the commodity.

bacitracin

Date Revised 11/28/2000

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	21:556.70
Cattle, all use classes						500			500						

- ***ADI:*** *0.05 µg/kg bwt/day*

bentazon and metabolite(s)

Date Revised 3/8/2000

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.355
Cattle, all use classes	50			50	50				20						

Tolerances are established for the combined residues of the herbicide bentazon (3-isopropyl-1 H -2,1,3-benzothiadiazin-4(3 H)-one-2,2-dioxide) and its metabolite 2-amino- N -isopropyl benzamide (AIBA) in or on the food commodities above.

bifenazate

Date Revised 8/30/2006

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.572
Cattle, all use classes	100			20	20				20						

Tolerances are established for residues of bifenazate (1-methylethyl 2-(4-methoxy[1,1'-biphenyl]-3-yl)hydrazinecarboxylate) including its metabolites and degradates, in or on the commodities above. Compliance with the tolerance levels specified are to be determined by measuring only the sum of bifenazate and its metabolite diazinecarboxylic acid, 2-(4-methoxy-[1,1'-biphenyl]-3-yl), 1-methylethyl ester (expressed as bifenazate) in or on Fat. Compliance with the tolerance levels specified are to be determined by measuring only the sum of bifenazate and its metabolites diazinecarboxylic acid, 2-(4-methoxy-[1,1´-biphenyl]-3-yl), 1-methylethyl ester (expressed as bifenazate); 1,1´-biphenyl, 4-ol; and 1,1´-biphenyl, 4-oxysulfonic acid (expressed as 1,1´-biphenyl, 4-ol) in or on the other food commodities listed.

bifenthrin

Date Revised 11/26/1997

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.442
Cattle, all use classes	1000			500	100				100	1000					

Tolerances are established for residues of the insecticide bifenthrin in Milk fat at 1000 ppb (reflecting 100 ppb in whole milk).

boscalid

Date Revised 7/30/2003

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.589

boscalid

Date Revised 7/30/2003

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.589
Cattle, all use classes	300			100	350				100						

Tolerances are established for residues of the fungicide boscalid, including its metabolites and degradates, in or on the commodities listed. Compliance with the tolerance levels specified below is to be determined by measuring only the sum of boscalid, 3-pyridinecarboxamide, 2-chloro- N -(4'-chloro[1,1'-biphenyl]-2-yl), and metabolites 2-chloro- N -(4'-chloro-5-hydroxy-biphenyl-2-yl) nicotinamide and glucuronic acid conjugate of 2-chloro- N -(4'-chloro-5-hydroxy-biphenyl-2-yl) nicotinamide, calculated as the stoichiometric equivalent of boscalid in or on the food commodities above.

bromoxynil

Date Revised 6/1/2011

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.324
Cattle, all use classes	1000			500	3500				400						

Tolerances are established for residues of the herbicide bromoxynil, 3,5-dibromo-4-hydroxybenzonitrile, including its metabolites and degradates, in or on the commodities listed. Compliance with the tolerance levels is to be determined by measuring only bromoxynil and its metabolite, 3,5-dibromo-4-hydroxybenzoic acid (DBHA), resulting from application of its octanoic and/or heptanoic acid ester.

buprofezin

Date Revised 9/22/2006

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.511
Cattle, all use classes	50	50	50	50	50				10						

Tolerances are established for residues of buprofezin, including its metabolites and degradates in or on the commodities above. Compliance with the tolerance levels specified below is to be determined by measuring only the buprofezin, 2-[(1,1-dimethylethyl)imino]tetrahydro-3(1-methylethyl)-5-phenyl-4 H -1,3,5-thiadiazin-4-one, in the commodity.

captan

Date Revised 6/6/2007

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.103
Cattle, all use classes	150			200	300				100						

Tolerances are established for the combined residues of the fungicide, captan (N-trichloromethylthio-4-cyclohexene-1,2-dicarboximide) and its metabolite 1,2,3,6-tetrahydrophthalimide (THPI), measured at THPI, in or on listed commodities.

carbaryl and metabolite(s)

Date Revised 7/31/2002

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.169
Cattle, all use classes	500			1000	3000				1000						

Tolerances are established for residues of the insecticide carbaryl, 1-naphthyl N -methylcarbamate, including its metabolites: 1-naphthol (naphthyl-sulfate); 5,6-dihydrodihydroxycarbaryl; and 5,6-dihydrodihydroxy naphthol, calculated as 1-naphthyl N -methylcarbamate and the free and conjugated residues of carbaryl: 5,6-dihydro-5,6-dihydroxy carbaryl and 5-methoxy-6-hydroxy carbaryl, in or on commodities listed.

carbofuran and metabolite(s)

Date Revised 2/11/2004

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.254
Cattle, all use classes									100					12/31/2009	

Note: In milk, no more than 20 ppb is carbamates.

carboxin and metabolite(s)

Date Revised 9/27/2006

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.301

carboxin and metabolite(s)

Date Revised 9/27/2006

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.301
Cattle, all use classes	50			50	100				50						

Tolerances are established for the combined residues of the fungicide carboxin (5,6-dihydro-2-methyl-1,4-oxathiin-3-carboxanilide) and its metabolites determined as aniline and expressed as parent compound, in or on food commodities as listed above.

carfentrazone-ethyl

Date Revised 9/29/2004

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.515
Cattle, all use classes	100			100	100				50						

Tolerances are established for residues of the herbicide carfentrazone-ethyl, including its metabolites and degradates, in or on the commodities listed above. Compliance with the following tolerance levels is to be determined by measuring only the sum of carfentrazone-ethyl (ethyl-alpha-2-dichloro-5-[-4-(difluoromethyl)-4,5-dihydro-3-methyl-5-oxo-1 H -1,2,4-triazol-1-yl]-4-fluorobenzenepropanoate) and its metabolite carfentrazone-chloropropionic acid (alpha, 2-dichloro-5-[-4-difluoromethyl)-4,5-dihydro-3-methyl-5-oxo-1 H -1,2,4-triazol-1-yl]-4-fluorobenzenepropanoic acid), calculated as the stoichiometric equivalent of carfentrazone-ethyl, in or on the commodities above.

ceftiofur

Date Revised 7/13/2006

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	21:556.113
Cattle, all use classes		400	2000	1000					100						

- ***ADI:*** *30 µg/kg bwt/day*
- ***ASDI:*** *0.830 mg/kg bwt*
- ***Marker Residue:*** *desfuroylceftiofur*
- ***Target Tissue:*** *kidney*

cephapirin

Date Revised 12/10/1975

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	21:556.115
Cattle, dairy, all use classes						100			20						

chlorantraniliprole

Date Revised 9/18/2013

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.628
Cattle, all use classes	500		300	100	500				50						

Tolerances are established for residues of the insecticide chlorantraniliprole, including its metabolites and degradates, in or on the commodities above. Compliance with the tolerance levels specified below is to be determined by measuring only chlorantraniliprole, 3-bromo- N -[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-1H-pyrazole-5-carboxamide.

chlorfenvinphos

Date Revised ages ago

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.322
Cattle, all use classes	200									200					

The last FR 7/29/92 proposed to revoke the tolerances.

chloroneb and metabolite(s)

Date Revised 9/14/2011

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.257

chloroneb and metabolite(s)

Date Revised 9/14/2011

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.257
Cattle, all use classes	200			200	200				50					4/16/2012	

Tolerances are established for residues of the fungicide chloroneb, including its metabolites and degradates, in or on the commodities listed above. Compliance with the tolerance levels specified in this paragraph is to be determined by measuring only the sum of chloroneb, 1,4-dichloro-2,5-dimethoxybenzene, and its metabolite 2,5-dichloro-4-methoxyphenol (free and conjugated), calculated as the stoichiometric equivalent of chloroneb, in or on the commodity.

chlorothalonil

Date Revised 3/12/2001

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.275
Cattle, all use classes	100	500		30	50				100						

chlorpropham

Date Revised 7/11/2007

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.181
Cattle, all use classes	200	300		60	60				300						

Tolerances are established for the combined residues of the plant regulator and herbicide chlorpropham (isopropyl m-chlorocarbanilate (CIPC) and its metabolite 4-hydroxychlorpropham-O-sulfonic acid (4-HSA) in or on the above food commodities.

chlorpyrifos

Date Revised 9/17/2008

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.342
Cattle, all use classes	300			50	50				10	250					

chlorpyrifos-methyl and metabolite(s)

Date Revised 9/9/2009

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.419
Cattle, all use classes	500			500	500				50	1250					

chlorsulfuron

Date Revised 8/14/2002

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.405
Cattle, all use classes	300			300	300				100						

clethodim

Date Revised 4/27/2011

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.458
Cattle, all use classes	200			200	200				50						

Tolerances are established for residues of the herbicide clethodim, including its metabolites and degradates, in or on the commodities above. Compliance with the tolerance levels specified in this paragraph is to be determined by measuring only the sum of clethodim, 2-[(1E)-1-[[[(2E)-3-chloro-2-propenyl]oxy]imino]propyl]-5-[2-(ethylthio)propyl]-3-hydroxy-2-cyclohexen-1-one, and its metabolites containing the 5-(2-ethylthiopropyl)cyclohexene-3-one and 5-(2-ethylthiopropyl)-5-hydroxycyclohexene-3-one moieties and their sulphoxides and sulphones, calculated as the stoichiometric equivalent of clethodim, in or on the commodity.

clofencet

Date Revised 9/14/2011

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.497
Cattle, all use classes	40	10000		150	50				20					7/14/2012	

Tolerances are established for residues of the plant growth regulator (hybridizing agent) clofencet, including its metabolites and degradates, in or on the commodities above. Compliance with the tolerance levels specified in this paragraph is to be determined by measuring only clofencet, potassium 2-(4-chlorophenyl)-3-ethyl-2,5-dihydro-5-oxo-4-pyridazinecarboxylate, expressed as the free acid, in or on the commodity.

clofentezine

Date Revised 5/25/1994

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.446
Cattle, all use classes	50		400	50	50				10					9/30/1994	

Tolerances are established for residues of the insecticide clofentezine, including its metabolites and degradates, in or on the commodities above. Compliance with the tolerance levels specified in this paragraph is to be determined by measuring only the sum of clofentezine, 3,6-bis(2-chlorophenyl)-1,2,4,5-tetrazine, and its metabolite, 3-(2-chloro-4-hydroxyphenyl)-6-(2-chlorophenyl)-1,2,4,5-tetrazine, calculated as the stoichiometric equivalent of clofentezine, in or on commodity.

clopidol

Date Revised ages ago

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	21:556.160
Cattle, all use classes		3000	1500	200					20						

Tolerances for residues of clopidol (3,5-dichloro-2,6-dimethyl-4-pyridinol) in milk is 20 ppb (negligible residue).

clopyralid

Date Revised 9/25/2002

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.431
Cattle, all use classes	1000		3000	1000	36000				200						

Tolerances are established for residues of the herbicide clopyralid, including its metabolites and degradates, in or on the commodities above from its application in the acid form or in the form of its salts. Compliance with the tolerance levels specified below is to be determined by measuring only clopyralid, (3,6-dichloro-2-pyridinecarboxylic acid), in or on the commodities.

clothianidin, incl. metabolites and degradates

Date Revised 12/9/2009

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.586
Cattle, all use classes									10						

cloxacillin

Date Revised 7/9/1975

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	21:556.165
Cattle, all use classes						10			10						

A tolerance of 10 ppb is established for negligible residues of cloxacillin in milk.

coumaphos

Date Revised 7/21/1999

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.189
Cattle, all use classes	1000			1000	1000					500					

Negligible residues of cloxacillin in whole milk.

cyantraniliprole

Date Revised 2/5/2014

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.672
Cattle, all use classes	10			10	10				10						

cyclanilide

Date Revised 6/25/1997

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.506
Cattle, all use classes	100	2000		20	200				40						

cyfluthrin

Date Revised 9/24/2008

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.436
Cattle, all use classes	2000			100	100				200	5000				6/30/2003	

Tolerances are established for residues of the insecticide cyfluthrin (cyano(4-fluoro-3-phenoxyphenyl)methyl-3-(2,2-dichloroethenyl)-2,2dimethyl-cyclopropane-carboxylate in or on raw agricultural commodities above.

cypermethrin

Date Revised 2/1/2013

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.418
Cattle, all use classes	1000			200	50				100	2500					

Tolerances are established for residues of the insecticide cypermethrin (±)alpha cyano-(3-phenoxyphenyl)methyl(±)cis,trans-3(2,2-dichloroethenyl-2,2-dimethylcyclopropanecarboxylate and its inactive R-isomers in or on the commodities listed above, including 2500 ppb in Milk fat (reflecting 100 ppb in whole milk).

cyproconazole

Date Revised 5/14/2008

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.485
Cattle, all use classes	10		500.0*		10				See Note						

*Tolerances are established for the free and conjugated residues of the fungicide cyproconazole, α-(4-chlorophenyl)-α-(1-cyclopropylethyl)-1 H -1,2,4-triazole-1-ethanol, in or on the commodities above, except: *A tolerances is established for the free and conjugated residues of the fungicide cyproconazole, α-(4-chlorophenyl)-α-(1-cyclopropylethyl)-1 H -1,2,4-triazole-1-ethanol and its metabolite 2-(4-chlorophenyl)-3-cyclopropyl-1-[1,2,4]triazol-1-yl-butane-2,3-diol, in or on liver. A tolerance is established for the combined free and conjugated residues of cyproconazole α-(4-chlorophenyl)-α-(1-cyclopropylethyl)-1 H -1,2,4-triazole-1-ethanol] and its metabolite [δ-(4-chlorophenyl)-β,δ-dihydroxy-γ-methyl-1 H -1,2,4-triazole-1-hexenoic acid, in or on Milk, of 20 ppb.*

cyromazine

Date Revised 9/24/2003

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.414
Cattle, all use classes	50	200		50	50				50						

Tolerances are established for residues of the insecticide cyromazine, including its metabolites and degradates, in or on the commodities above. Compliance with the tolerance levels specified in this paragraph is to be determined by measuring only cyromazine, N -cyclopropyl-1,3,5-triazine-2,4,6-triamine, in or on the commodity.

deltamethrin and major metabolite(s)

Date Revised 10/27/2004

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.435
Cattle, all use classes	50			20	50				20	100					

dialifor

Date Revised ages ago

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.3
Cattle, all use classes	150			150	150					150					

Now listed under CFR185.1650 plant only Tolerance.

diazinon

Date Revised 5/21/2008

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.153
Cattle, all use classes	500								See Note						

A tolerance for milk is not required as long as the ear tag labels maintain that use is for beef cattle and non-lactating dairy cattle, only.

dicamba and metabolite(s)

Date Revised ages ago

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.227
Cattle, all use classes	300	25000		250	3000				200						

dichlorvos

Date Revised 9/9/2009

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.235
Cattle, all use classes	20(N)			20(N)	20(N)				20(N)						

Dichlorvos may be present as a residue from application as an insecti-cide on packaged or bagged nonperish-able processed food in an amount in such food not in excess of 50 ppb.

dicofol

Date Revised 9/26/2012

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.163
Cattle, all use classes	50000		5000	3000	3000				750	22000				10/31/2016	

In Milk fat 22000 ppb (reflecting 750 ppb in whole milk) Tolerances are established for residues of the insecticide dicofol, including its metabolites and degradates, in or on the commodities above. Compliance with the tolerance levels specified is to be determined by measuring only the sum of p,p-dicofol,4-chloro-a-(4-chlorophenyl)-a-(trichloromethyl)benzenemethanol, its isomer o,p-dicofol, 2-chloro-a-(4-chlorophenyl)-a-(trichloromethyl)benzenemethanol, and its metabolites 4-chloro-a-(4-chlorophenyl)-a-(dichloromethyl benzenemethanol and 2-chloro-a-(4-chlorophenyl)-a-(dichloromethyl)benzenemethanol, calculated as the stoichiometric equivalent of p,p-dicofol, 4-chloro-a-(4-chlorophenyl)-a-(trichloromethyl)benzenemethanol, in or on the commodity.

dieldrin

Date Revised 4/17/1990

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:129.100
Cattle, all use classes										300 (AL)					

ACTION LEVELS for unavoidable residues of pesticides. Registrations for all food uses of both pesticides canceled by EPA in 1975.

difenoconazole

Date Revised 4/2/2015

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.475
Cattle, all use classes	100		400	50	100				20						

Tolerances in milk are established for residues of difenoconazole, including its metabolites and degradates, at 20 ppb.

diflubenzuron

Date Revised 9/19/2002

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.377
Cattle, all use classes	50			50	150*				50						

The MbyP tolerance is established for the combined residues of diflubenzuron and its metabolites.

dihydrostreptomycin

Date Revised 7/20/2006

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	21:556.200
Cattle, all use classes		2000				500			125						

dimethoate and oxygen analog

Date Revised 9/17/2008

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.204
Cattle, all use classes					20				2						

dinotefuran

Date Revised 3/23/2005

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.603
Cattle, all use classes	50			50	50				50						

Tolerances are established for residues of dinotefuran, (RS)-1-methyl-2-nitro-3-((tetrahydro-3-furanyl)methyl)guanidine, including its metabolites and degradates, in or on the commodities listed above. Compliance with the tolerance levels specified below is to be determined by measuring only the sum of dinotefuran, (RS)-1-methyl-2-nitro-3-((tetrahydro-3-furanyl)methyl)guanidine in or on the commodities listed.

diphenylamine

Date Revised 12/5/2001

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.190
Cattle, all use classes	10		100	10	10				10						

diquat

Date Revised 8/1/2007

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.226
Cattle, all use classes	50			50	50				20						

Tolerances are established for residues of the plant growth regulator and herbicide diquat, (6,7-dihydrodipyrido (1,2-a:2'1'-c)pyrazinediium) derived from application of the dibromide salt and calculated as the cation in or on the food commodities above.

emamectin

Date Revised 4/12/2006

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.505
Cattle, all use classes	10		50	3	20				3						

endosulfan and metabolite(s)

Date Revised 9/14/2011

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.182

endosulfan and metabolite(s)

Date Revised 9/14/2011

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.182
Cattle, all use classes	13000		5000	2000	1000					2000				7/31/2016	

Tolerances are established for residues of the insecticide endosulfan, including its metabolites and degradates, in or on the commodities above. Compliance with the tolerance levels specified in this paragraph is to be determined by measuring only the sum of endosulfan, 6,7,8,9,10,10-hexachloro-1,5,5a,6,9,9a-hexahydro-6,9-methano-2,4,3-benzodioxathiepin 3-oxide (alpha and beta isomers), and its metabolite endosulfan sulfate, 6,7,8,9,10,10-hexachloro-1,5,5a,6,9,9a-hexahydro-6,9-methano-2,4,3-benzodioxathiepin-3,3-dioxide, calculated as the stoichiometric equivalent of endosulfan, in or on the commodity.

endothall

Date Revised 12/18/2009

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.293
Cattle, all use classes	10	200	100	30					30						

Tolerances are established for the indirect or inadvertent combined residues of the herbicide, endothall (7 - oxabicyclo[2.2.1] heptane-2,3-dicarboxylic acid) in potable water from use of its potassium, sodium, di-N, N-dimethylalkylamine, and mono- N-N, -dimethylalkylamine salts as algicides or herbicides to control aquatic plants in canals, lakes, ponds, and other potable water sources that may lead to endothall residues in or on the commodities above.

eprinomectin

Date Revised 11/25/2011

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	21:556.227
Cattle, all use classes			1500	100					12						

The tolerance for the marker residue in milk is 12 ppb.

- ***ADI:*** *10 µg/kg/bwt/day*
- ***Target Tissue:*** *Liver*
- ***Marker Residue:*** *eprinomectin B1a*

erythromycin

Date Revised 8/18/1993

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	21:556.230
Cattle, all use classes						100			Zero*						

**Tolerances for residues of erythromycin in milk is zero.*

esfenvalerate

Date Revised 9/11/2009

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.533
Cattle, all use classes	1500			1500	1500				300	7000					

Tolerances are established for the combined residues of the insecticide esfenvalerate, (S)-cyano(3-phenoxyphenyl)methyl-(S)-4-chloro-α-(1-methylethyl)benzeneacetate, its non-racemic isomer, (R)-cyano(3-phenoxyphenyl)methyl-(R)-4-chloro-α-(1-methylethyl)benzeneacetate and its diastereomers (S)-cyano(3-phenoxyphenyl)methyl-(R)-4-chloro-α-(1-methylethyl)benzeneacetate and (R)-cyano(3-phenoxyphenyl) methyl-(S)-4-chloro-α-(1-methylethyl)benzeneacetate, in or on food commodities as listed above.

ethephon

Date Revised 6/13/2007

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.300
Cattle, all use classes	20	1000		20	200				10						

ethion and oxygen analog

Date Revised 9/26/2012

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.173

ethion and oxygen analog

Date Revised 9/26/2012

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.173
Cattle, all use classes	200			200	200					500				10/1/2008	

Milk fat, reflecting negligible residues in milk.

etofenprox

Date Revised 11/27/2013

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.620
Cattle, all use classes	10000			400	10000	*			600						

*A tolerance is established for residues of the insecticide etofenprox, including its metabolites and degradates. * 5000 ppb in all food commodities (including feed commodities) not otherwise listed.*

etoxazole

Date Revised 9/26/2003

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.593
Cattle, all use classes	20		10							10					

famoxadone

Date Revised 7/2/2003

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.587
Cattle, all use classes	20		50							60*					

**reflecting negligible residues in whole milk*

fenamidone and metabolite(s)

Date Revised 9/29/2004

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.579
Cattle, all use classes	100			100	100				20						

fenbendazole

Date Revised 7/6/2000

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	21:556.275
Cattle, all use classes			800	400					600						

- ***ADI:*** *40 µg/kg bwt/day*
- ***Target Tissue:*** *liver*
- ***Marker Residue:*** *fenbendazole*
- ***Marker Residue in cattle milk:*** *fenbendazole sulfoxide metabolite*

fenbutatin-oxide

Date Revised ages ago

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.362
Cattle, all use classes	500			500	500					100					

Tolerances are established for residues of the miticide/acaricide fenbutatin-oxide, including its metabolites and degradates, in or on the animal commodities in the table in this paragraph. Compliance with the tolerance levels specified in this paragraph is to be determined by measuring only the sum of fenbutatin-oxide, hexakis (2-methyl-2-phenylpropyl) distannoxane, and its organotin metabolites, dihydroxybis(2-methyl-2-phenylpropyl) stannane and 2-methyl-2-phenylpropylstannoic acid, calculated as the stoichiometric equivalent of fenbutatin-oxide, in or on the commodity.

fenoxaprop-ethyl

Date Revised 1/9/1998

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.430
Cattle, all use classes	50			50	50				20						

Tolerances are established for residues of the herbicide fenoxaprop-ethyl, including its metabolites and degradates, in or on the commodities in the table in this paragraph. Compliance with the tolerance levels specified in this paragraph is to be determined by measuring only the sum of fenoxaprop-ethyl, (±)-ethyl 2-[4-[(6-chloro-2-benzoxazolyl)oxy]phenoxy]propanoate, and its metabolites, 2-[4-[(6-chloro-2-benzoxazolyl)oxy]phenoxy]propanoic acid and 6-chloro-2,3-dihydrobenzoxazol-2-one, calculated as the stoichiometric equivalent of fenoxaprop-ethyl, in or on the commodity.

fenpropathrin

Date Revised 10/2/1996

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.466
Cattle, all use classes	1000			100	100				80	2000				11/15/1997	

fenpyroximate

Date Revised 6/10/2004

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.566
Cattle, all use classes	30	250.0*	250*	30	30				15						

** Tolerances are established for combined residues of the insecticide fenpyroximate and it's metabolite.*

fenvalerate

Date Revised 6/15/2011

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.379
Cattle, all use classes	1500			1500	1500				300	7000				4/2/2010	

Expired in 2010, officially removed in 2011

fipronil and metabolite(s)

Date Revised 11/26/1997

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.517
Cattle, all use classes	400		100	40	40				50	1500					

flonicamid and metabolite(s)

Date Revised 12/11/2013

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.613
Cattle, all use classes	30			80	80				50						

fluazifop-butyl

Date Revised ages ago

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.411
Cattle, all use classes	50			50	50				500						

Tolerances are established for residues of the herbicide fluazifop-P-butyl, including its metabolites and degradates, in or on the commodities above. Compliance with the tolerance levels specified in the table below is to be determined by measuring only the sum of fluazifop-P-butyl, butyl(R)-2-[4-[[5-(trifluoromethyl)-2-pyridinyl]oxy]phenoxy]propanoate, and the free and conjugated forms of the resolved isomer of fluazifop, (R)-2-[4-[[5-(trifluoromethyl)-2-pyridinyl]oxy]phenoxy]propanoic acid, calculated as the stoichiometric equivalent of fluazifop, in or on the commodity.

flubendiamide

Date Revised 9/7/2011

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.639

flubendiamide

Date Revised 9/7/2011

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.639
Cattle, all use classes	700			80	600				150	1000					

flucarbazone-sodium

Date Revised 12/22/2006

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.562
Cattle, all use classes			1500	10	10				5						

fludioxonil

Date Revised 8/15/2012

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.516
Cattle, all use classes	50			10	50				10						

Tolerances are established for residues of the fungicide fludioxonil, including its metabolites and degradates, in or on the commodities above. Compliance with the tolerance levels specified in the following table is to be determined by measuring only the sum of fludioxonil, 4-(2,2-difluoro-1,3-benzodioxol-4-yl)-1- H -pyrrole-3-carbonitrile), and its metabolites converted to 2,2-difluoro-l,3-benzodioxole-4-carboxylic acid, calculated as the stoichiometric equivalent of fludioxonil.

flufenoxuron

Date Revised 9/29/2006

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.623
Cattle, all use classes	4500*			100*	500*				200						

**There are no U.S. registrations as of September 30, 2006.*

flunixin

Date Revised 3/23/2011

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	21:556.286
Cattle, all use classes			125.0	25					2						

- ***ADI:*** *0.72 µg/kg bwt/day*
- ***Marker Residue:*** *flunixin free acid*
- ***Milk:*** *2 ppb 5-hydroxy flunixin*
- ***Related Use:*** *CFR 21:522.970 Flunixin*
- ***Target Tissue:*** *liver*

fluometuron and metabolite(s)

Date Revised 5/21/2008

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.229
Cattle, all use classes					100				20						

fluopyram

Date Revised 2/24/2012

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.661
Cattle, all use classes	110			150	1100				70						

Tolerances are established for residues of the fungicide fluopyram, N -[2-[3-chloro-5-(trifluoromethyl)-2-pyridinyl]ethyl]-2-(trifluoromethyl)benzamide, including its metabolites and degradates. Compliance with the tolerance levels specified above is to be determined by measuring only the sum of fluopyram and its metabolite, 2-(trifluoromethyl)benzamide, calculated as the stoichiometric equivalent of fluopyram, in or on the commodity. The tolerance actions subject to the 6-month delay are effective June 17, 2015 are as follows: Modifying tolerances for cattle, fat at 50 ppb; cattle, meat at 50 ppb; cattle, meat byproducts at 40 ppb; and milk at 60 ppb.

fluorine

Date Revised 12/13/2006

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.145
Cattle, all use classes				See Further Info					See Note						

In Meat, dried 40000 ppb In Milk, powdered 5000 ppb, and in Cheese, 5000 ppb

fluoxastrobin

Date Revised 4/11/2014

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.609
Cattle, all use classes	100			50	200				30	750					

Tolerances are established for residues of fluoxastrobin, including its metabolites and degradates, in or on the commodities listed above. Compliance with the tolerance levels specified below is to be determined by measuring only fluoxastrobin, (1E)-[2-[[6-(2-chlorophenoxy)-5-fluoro-4-pyrimidinyl]oxy]phenyl](5,6-dihydro-1,4,2-dioxazin-3-yl)methanone O-methyloxime, its Z isomer, (1Z)-[2-[[6-(2-chlorophenoxy)-5-fluoro-4-pyrimidinyl]oxy]phenyl](5,6-dihydro-1,4,2-dioxazin-3-yl)methanone O-methyloxime, and its phenoxy-hydroxypyrimidine, 6-(2-chlorophenoxy)-5-fluoro-4-pyrimidinol, calculated as the stoichiometric equivalent of fluoxastrobin.

flupyradifurone

Date Revised 1/23/2015

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.679
Cattle, all use classes	200			300	1000				150						

fluridone and metabolite(s)

Date Revised 4/27/2011

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.420
Cattle, all use classes	50	100	100	50	50				50						

Tolerances are established for residues of the herbicide fluridone, including its metabolites and degradates, in or on the commodities above. Compliance with the tolerance levels specified in this paragraph is to be determined by measuring only fluridone, 1-methyl-3-phenyl-5-(3-(trifluoromethyl)phenyl)-4(1 H)-pyridinone, in or on the commodity.

fluroxypyr

Date Revised 12/31/2003

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.535
Cattle, all use classes	100	1500		100	100				300						

Tolerances are established for combined residues of fluroxypyr 1-methylheptyl ester [1-methylheptyl ((4-amino-3,5-dichloro-6-fluoro-2-pyridinyl)oxy)acetate] and its metabolite fluroxypyr [((4-amino-3,5-dichloro-6-fluoro-2-pyridinyl)oxy)acetic acid] in or on the raw agricultural commodities above.

flutolanil

Date Revised 8/16/1995

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.484
Cattle, all use classes	100	1000	2000	50	50				50						

Tolerances are established for residues of flutolanil, N -(3-(1-methylethoxy) phenyl)-2-(trifluoromethyl)benzamide, including its metabolites and degradates, in or on the commodities above. Compliance with the tolerance levels specified below is to be determined by measuring only flutolanil and its metabolites converted to 2-(trifluoromethyl) benzoic acid and calculated as flutolanil, in or on the commodities.

flutriafol

Date Revised 2/4/2015

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.629
Cattle, all use classes	50		1000	50	50				20						

fluxapyroxad

Date Revised ages ago

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.666
Cattle, all use classes	50			10	30				5						

gentamicin

Date Revised ages ago

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	FDA
Cattle, all use classes															

glufosinate ammonium

Date Revised 12/21/2007

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.473
Cattle, all use classes	400			150	6000				150						

halosulfuron

Date Revised 12/3/2012

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.479
Cattle, all use classes	50			50	1000				50						

heptachlor

Date Revised 4/17/1990

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.3
Cattle, all use classes										10 (AL)					

ACTION LEVELS for unavoidable residues of pesticides, including heptachlor epoxide. Registrations for most food uses canceled by EPA in 1978; remaining food uses phased out by 1983.

hexazinone and metabolite(s)

Date Revised 9/29/2010

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.396
Cattle, all use classes	100			500	4000				11000						

hexythiazox

Date Revised 7/17/2013

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.448
Cattle, all use classes	50				500				50						

imazalil

Date Revised 9/15/2006

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.413
Cattle, all use classes	10			10	200				20						

imazapic-ammonium

Date Revised 12/26/2001

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.490

imazapic-ammonium

Date Revised 12/26/2001

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.490
Cattle, all use classes	100	1000		100	100				100						

imazapyr

Date Revised 9/26/2003

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.500
Cattle, all use classes	50	200		50	50				10						

imidacloprid

Date Revised 11/30/1994

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.472
Cattle, all use classes	300			300	300				100						

indoxacarb and metabolite(s)

Date Revised 6/9/2004

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.564
Cattle, all use classes	1500			50	30				150	4000					

iprodione and metabolite(s)

Date Revised ages ago

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.399
Cattle, all use classes	500	3000	3000	500	500				500						

lambda-cyhalothrin

Date Revised 11/26/1997

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.438
Cattle, all use classes	3000			200	200				See Note						

For combined residues of the pyrethroid lambda-cyhalothrin (active R and inactive S isomers) and its epimer (R and S isomers): Milk fat (reflecting 400 ppb in whole milk) 10000 ppb For combined residues of the pyrethroid gamma-cyhalothrin (active R isomer only) and its epimer (R isomer): Milk fat (reflecting 200 ppb in whole milk) 5000 ppb

linuron

Date Revised 9/20/2006

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.184
Cattle, all use classes	200	2000	2000	100	100				50						

malathion

Date Revised ages ago

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.111
Cattle, all use classes	4000			4000	4000				500						

The tolerance level shall not be exceeded in any cut of meat or in any meat byproducts from cattle.

MCPA and metabolite(s)

Date Revised 9/27/2006

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.339
Cattle, all use classes	100			100	100				100						

metalaxyl and metabolite(s)

Date Revised 12/17/1997

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.408
Cattle, all use classes	400	400	400	50	50				20						

methoxychlor

Date Revised 7/17/2002

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.120
Cattle, all use classes	3000									1250					

FR Revoked all tolerances and removed this CFR.

methoxyfenozide

Date Revised 3/19/2011

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.544
Cattle, all use classes	500**		400.0*	20.0**	100*				100						

*Tolerances are established for residues of the insecticide methoxyfenozide, including its metabolites and degradates, in or on the commodities above. Compliance with the tolerance levels specified in the following table is to be determined by measuring only the sum of methoxyfenozide [3-methoxy-2-methylbenzoic acid 2-(3,5-dimethylbenzoyl)-2-(1,1-dimethylethyl) hydrazide] and its glucuronide metabolite (ß-D-Glucopyranuronic acid, 3-[[2-(1,1-dimethylethyl)-2-(3,5-dimethylbenzoyl)-hydrazino]carbonyl]-2-methylphenyl-), calculated as the stoichiometric equivalent of methoxyfenozide. **Tolerances are established for residues of the insecticide methoxyfenozide, including its metabolites and degradates, in or on the commodities above. Compliance with the tolerance levels specified in the following table is to be determined by measuring only methoxyfenozide (3-methoxy-2-methylbenzoic acid 2-(3,5-dimethylbenzoyl)-2-(1,1-dimethylethyl) hydrazide) in or on the commodity.*

metolachlor and metabolite(s)

Date Revised 9/23/2009

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.368
Cattle, all use classes	20	200	50	20	40				20						

metribuzin and metabolite(s)

Date Revised 12/5/2001

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.332
Cattle, all use classes	700			700	700				50						

metsulfuron-methyl

Date Revised 10/12/1988

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.428
Cattle, all use classes	100	500		100	100				50						

moxidectin

Date Revised 6/23/2005

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	21:556.426

moxidectin

Date Revised 6/23/2005

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	21:556.426
Cattle, all use classes	900		200	50					40						

- ***ADI:*** *4.0 µg/kg bwt/day*
- ***Marker Residue:*** *moxidectin*
- ***Related Use:*** *See CFR 21:520.1454 and CFR 21:522.1450*
- ***Target Tissue****: fat*

myclobutanil

Date Revised 8/9/1995

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.443
Cattle, all use classes	50		1000	100	200				200						

neomycin

Date Revised 6/11/1999

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	21:556.430
Cattle, all use classes	7200	7200	3600	1200					150						

A tolerance is established for residues of parent neomycin in milk of 150 ppb.

- ***ADI:*** *6.0 µg/kg bwt/day*
- ***Target Tissue:*** *kidney*

nicosulfuron

Date Revised 4/7/2010

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.454
Cattle, all use classes	10			10	50				10						

norflurazon

Date Revised 5/21/2008

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.356
Cattle, all use classes	100		500	100	100				100						

novaluron

Date Revised 6/2/2004

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.598
Cattle, all use classes	11000	1000	1000	600	600				1000	20000					

novobiocin

Date Revised 4/30/1982

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	21:556.460
Dairy Animals									100						
Cattle, all use classes						1000			100						

oxadiazon and metabolite(s)

Date Revised 1/24/2003

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.346
Cattle, all use classes	10			10	10					100					

Revoked in 2003.

oxydemetonmethyl

Date Revised 9/26/2007

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.330
Cattle, all use classes	10			10	10				10						

oxyfluorfen and metabolite(s)

Date Revised 9/19/2007

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.381
Cattle, all use classes	10			10	10				10						

oxytetracycline

Date Revised 9/5/2001

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	21:556.500
Cattle, all use classes	12000	12000	6000	2000					300						

- ***ADI:*** *25 µg/kg bwt/day*
- ***Additional Notes:*** *Tolerances are established for the sum of residues of the tetracyclines including chlortetracycline, oxytetracycline, and tetracycline.*

paraquat

Date Revised 8/1/2007

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.205
Cattle, all use classes	50	500		50	50				10						

pendimethalin

Date Revised 12/21/2015

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.361
Cattle, all use classes	300			100	3000				40						

Tolerances are established for residues of the herbicide pendimethalin, including its metabolites and degradates.

penicillin

Date Revised 3/27/1975

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	21:556.510
Cattle, all use classes						50			0.0						

Zero tolerances are established for residues of penicillin and the salts in milk or in any processed food in which such milk has been used.

penthiopyrad

Date Revised 3/9/2012

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.658
Cattle, all use classes	30			30	90				20						

permethrin and metabolite(s)

Date Revised 6/6/2007

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.378
Cattle, all use classes	1500			100	100				880	3000					

phosmet

Date Revised 9/29/2010

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.261
Cattle, all use classes	200			100	100				100						

picloram

Date Revised 9/29/2010

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.292
Cattle, all use classes	400			400	15000				250						

picoxystrobin

Date Revised 12/5/2012

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.669
Cattle, all use classes	10			10	10				10						

A tolerance was proposed on cream at 30 ppb; however EPA has determined that no tolerance is needed.

piperonyl butoxide

Date Revised ages ago

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.127
Cattle, all use classes	100			100	100					250					

pirlimycin

Date Revised 10/16/2000

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	21:556.515
Cattle, all use classes			500	300					400						

- ***ADI:*** *0.01 mg/kg bwt/day*
- ***Marker Residue:*** *pirlimycin*
- ***Target Tissue:*** *liver*

polychlorinated biphenyls

Date Revised ages ago

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	21:109.30
Dairy Animals						See Further Info			See Note						

The temporary tolerances for residues of PCB's are as follows: 1500 ppb in milk (fat basis) 1500 ppb in manufactured dairy products (fat basis)

primisulfuron-methyl

Date Revised 2/22/1989

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.452

primisulfuron-methyl

Date Revised 2/22/1989

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.452
Cattle, all use classes	100			100	100				20						

profenofos and metabolite(s)

Date Revised 7/26/2007

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.404
Cattle, all use classes	50			50	50				10						

propachlor

Date Revised 6/13/2007

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.211
Cattle, all use classes	50	200		20	50				20						

propanil and metabolite(s)

Date Revised 9/27/2006

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.274
Cattle, all use classes	100			50	1000				50						

propargite

Date Revised ages ago

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.259
Cattle, all use classes	100			100	100				80	2000					

propham

Date Revised 9/14/2011

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.319
Cattle, all use classes	500			500	500				500						

While petitions for tolerances for negligible residues are pending and until action is completed on these petitions, interim tolerances are established for residues of isopropyl cabanilate (IPC) in or on the raw agricultural commodities listed above.

propiconazole and metabolite(s)

Date Revised 9/22/2006

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.434
Cattle, all use classes	50	2000	2000	50	50				50						

propoxycarbazone

Date Revised 9/6/2006

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.600
Cattle, all use classes				50	300				30						

propyzamide and metabolite(s)

Date Revised 6/6/2007

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.317
Cattle, all use classes	200	400	400	20	20				20						

prothioconazole and metabolite(s)

Date Revised 3/14/2007

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.626
Cattle, all use classes	100			20	200				20						

pyraclostrobin

Date Revised 9/27/2002

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.582
Cattle, all use classes	100		1500	100	200				100						

pyraflufen-ethyl

Date Revised 2/27/2013

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.585
Cattle, all use classes	30			30	30				30					12/31/2016	

Compliance with the livestock commodity tolerance levels specified in the table is to be determined by measuring only the sum of the parent pyraflufen-ethyl, ethyl 2-[2-chloro-5-(4-chloro-5-difluoromethoxy)-1-methyl-1H-pyrazol-3-yl]-4-fluorophenoxy] acetate and its acid metabolites.

pyrasulfotole

Date Revised 4/29/2011

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.631
Cattle, all use classes	30		3000	20	700				30						

pyrazon

Date Revised 5/21/2008

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.316
Cattle, all use classes	100		150	100	100				20						

pyrethrins

Date Revised 1/29/2008

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.128
Cattle, all use classes	100			50	50					500					

** 500 ppb in Milk fat (reflecting negligible residues in milk)*

pyridaben

Date Revised 5/16/1997

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.494
Cattle, all use classes	50			50	50				10						

pyrimethanil

Date Revised 10/29/2008

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.518
Cattle, all use classes	10	2500		10	10				50						

• Compliance with the tolerance levels specified in Milk is to be determined by measuring only the sum of pyrimethanil and its metabolite 4,6-dimethyl-2-(phenylamino)-5-pyrimidinol, calculated as the stoichiometric equivalent of pyrimethanil.

• Compliance with the tolerance levels specified above, exluding Milk, is to be determined by measuring only the sum of pyrimethanil and its metabolite 4-[4,6-dimethyl-2-pyrimidinyl)amino]phenol, calculated as the stoichiometric equivalent of pyrimethanil.

pyroxasulfone

Date Revised 7/31/2013

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.659
Dairy Animals									3						

quinclorac

Date Revised 2/10/1999

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.463
Cattle, all use classes	700			50	1500				50						

quizalofop ethyl

Date Revised 9/27/2006

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.441
Cattle, all use classes	50			20	50				10	250					

ronnel

Date Revised 9/17/1993

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.177
Cattle, all use classes	10000			4000	4000					1250					

FR 09/17/93 revoked these tolerances.

saflufenacil and its metabolites and degradates

Date Revised 9/3/2014

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.649
Cattle, all use classes	40		50000	20	300				10						

sethoxydim and metabolite(s)

Date Revised 9/17/2008

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.412
Cattle, all use classes	200			200	1000				500						

simazine

Date Revised 9/19/2007

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.213
Cattle, all use classes				30	30				30						

spinetoram

Date Revised 10/10/2007

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.635
Cattle, all use classes	5500		850.0	200	600				300	7500					

spinosad

Date Revised 12/5/2007

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.495
Cattle, all use classes	50000		10000	2000	5000				7000	85000					

spirodiclofen and metabolite(s)

Date Revised 7/13/2005

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.608
Cattle, all use classes	20			20	100				10	30					

spiromesifen

Date Revised 4/8/2009

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.607
Cattle, all use classes	100			20	200				10	250					

spirotetramat and metabolite(s)

Date Revised 5/18/2011

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.641
Cattle, all use classes	20			20	200				10						

sulfabromomethazine sodium

Date Revised 7/23/1982

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	21:556.620
Cattle, all use classes						100			10						

sulfadimethoxine

Date Revised 5/17/1999

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	21:556.640
Cattle, all use classes						100			10*						

**Negligible residues of sulfadimethoxine in milk.*

sulfaethoxypyridazine

Date Revised ages ago

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	21:556.650
Cattle, all use classes						100			0.0						

Tolerances for residues of sulfaethoxypyridazine in milk are zero.

sulfamethizole

Date Revised ages ago

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	21:520.2280
Cattle, all use classes															

sulfanilamide

Date Revised ages ago

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	FDA
Cattle, all use classes															

sulfapyridine

Date Revised ages ago

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	FDA
Cattle, all use classes															

sulfosulfuron

Date Revised 9/26/2007

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.552
Cattle, all use classes	20			10	300				20					12/31/2009	

sulfoxaflor

Date Revised 6/26/2013

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.668
Cattle, all use classes	100			150	400				150						

Tolerances are established for residues of the insecticide sulfoxaflor, including its metabolites and degradate.

sulfuryl fluoride

Date Revised 7/15/2005

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.575
Cattle, all use classes				See Further Info					See Further Info.						

Meat, dried 10 ppb
Cheese 2.0
Milk, powdered 2.0
To assure safe use of this pesticide commodities treated with sulfuryl fluoride must be aerated for at least 24 hours prior to entering commerce.

tebuconazole

Date Revised 5/17/2002

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.474
Cattle, all use classes					200				100						

tebufenozide

Date Revised 9/9/2009

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.482
Cattle, all use classes	100			80	80				40						

tebuthiuron and metabolite(s)

Date Revised 9/19/2007

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.390
Cattle, all use classes	1000			1000	5000				800						

tepraloxydim

Date Revised 8/2/2001

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.573
Cattle, all use classes	150	500		200	200				100						

tetrachlorvinphos

Date Revised 8/30/2013

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.252
Cattle, all use classes	200	1000	500	2000	1000					50*					

*In kidney and liver, no more than 50 ppb; in meat, no more than 2000 ppb; in fat, no more than 100 ppb is tetrachlorvinphos per se. * Milk fat reflects negligible residues in whole milk and of which no more than 50 ppb is tetrachlorvinphos per se.*

tetraconazole

Date Revised 8/29/2011

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.557
Cattle, all use classes	150		1500	10	150				30	750				11/30/2012	

thiabendazole

Date Revised 7/25/1984

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	21:556.730
Cattle, all use classes						100			50						

A tolerance for negligible residues of thiabendazole is established at 50 ppb for negligible residues in milk.

thiabendazole and its metabolite benzimidazole

Date Revised 9/19/2007

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.242
Cattle, all use classes				100	400				100						

thiacloprid

Date Revised 9/26/2003

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.594
Cattle, all use classes	20	50	150	30	50				30						

thiamethoxam

Date Revised 3/2/2012

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.565
Cattle, all use classes				20	40				20						

thidiazuron and metabolite(s)

Date Revised 9/19/2007

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.403
Cattle, all use classes	400			400	400				50						

thiencarbazone-methyl and metabolite(s)

Date Revised 10/15/2008

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.645
Cattle, all use classes				20	20				20						

thiobencarb and metabolite(s)

Date Revised ages ago

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.401
Cattle, all use classes	200			200	200				50						

thiophanate-methyl and metabolite(s)

Date Revised 9/20/2006

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.371
Cattle, all use classes	150			150	150				1500						

tolfenpyrad

Date Revised 1/9/2014

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.675
Cattle, all use classes	10			10	350				30						

triasulfuron

Date Revised 8/18/1998

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.459
Cattle, all use classes	100	500		100	100				20						

tribuphos

Date Revised 9/19/2007

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.272
Cattle, all use classes	150			20	20				10						

triclopyr and metabolite(s)

Date Revised 2/25/2016

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.417
Cattle, all use classes	100			100	500				600						

trifloxystrobin

Date Revised 6/11/2010

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.555

trifloxystrobin

Date Revised 6/11/2010

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.555
Cattle, all use classes	100			100	100				20						

Tolerances are established for residues of trifloxystrobin, including its metabolites and degradates, in or on the commodities above. Compliance with the tolerance levels specified below is to be determined by measuring only the sum of trifloxystrobin, benzeneacetic acid, (E,E)-α-(methoxyimino)-2-[[[[1-[3-(trifluoromethyl) phenyl]ethylidene] amino]oxy]methyl]-, methyl ester, and the free form of its acid metabolite CGA-321113, (E,E)-methoxyimino-[2-[1-(3-trifluoromethyl-phenyl)-ethylideneaminooxymethyl]-phenyl]acetic acid, calculated as the stoichiometric equivalent of trifloxystrobin, in or on the commodity.

triflumizole and metabolite(s)

Date Revised 11/20/2015

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.476
Cattle, all use classes	100			50	200				50						

November 2015 EPA decreased the tolerance for fat from 500 to 100 ppb and meat by products from 500 to 200 ppb..

tripelennamine

Date Revised 1/29/1997

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	21:556.741
Cattle, all use classes						200			20						

triphenyltin hydroxide

Date Revised 8/1/2007

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.236
Cattle, all use classes	200	2000	4000	500					60						

tylosin

Date Revised ages ago

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	21:556.740
Cattle, all use classes	200	200	200	200					50*						

**A tolerances 50 ppb (negligible residue) is established for residues of tylosin in milk.*

vinclozolin

Date Revised 9/30/2003

Species	Fat	Kidney	Liver	Muscle	Meat By Product	Edible Tissue	Skin	Skin Fat	Milk	Milk fat	Egg	Honey	Honey Comb	Expiration Date	40:180.380
Cattle, all use classes	50			50	50				50					11/30/2008	