

Supporting document SD2

Dietary exposure estimates

Proposal M1009 – Maximum Residue Limits

Chemical Commodity descriptor	MRL (mg/kg)	Dietary Exposure Estimates	
Abamectin		NEDI: 61% of the ADI NESTI as % of the ARfD	
		<u>2-6 years</u>	<u>2+ years</u>
Chervil	Omit T0.5		
Coriander (leaves, roots and stem)	Omit T0.5		
Grapes	0.02	13	6
Ground cherries [cape gooseberries]	Omit T0.01		
Herbs	Omit T0.5		
Lemon balm	Omit T0.5		
Melons, except watermelon	Omit T0.02		
Mizuna	Omit T0.5		
Passionfruit	Omit T0.1		
Rucola [rocket]	Omit T0.5		
Watermelon	Omit T0.02		
Acequinocyl		NEDI: 7% of the ADI	
Grapes	1.6		
Acetamiprid		NEDI: 2% of the ADI NESTI as % of the ARfD	
		<u>2-6 years</u>	<u>2+ years</u>
Grapes	0.35	12	5
Azinphos-methyl		NEDI: 45% of the ADI NESTI as % of the ARfD	
		<u>2-6 years</u>	<u>2+ years</u>
Strawberry	1	12	3
Azoxystrobin		NEDI: 29% of the ADI	
Blackberries	5		
Boysenberry	5		
Peppers, Chili	3		
Peppers, Sweet	3		
Raspberries, red, black	5		
Spices	*0.1		
Strawberry	10		
Beta-cyfluthrin		NEDI: 89% of the ADI NESTI as % of the ARfD	
Note: Beta-cyfluthrin MRLs are listed under cyfluthrin		<u>2-6 years</u>	<u>2+ years</u>
Grapes	1	84	38

Chemical Commodity descriptor	MRL (mg/kg)	Dietary Exposure Estimates	
Bifenthrin		NEDI: 47% of the ADI NESTI as % of the ARfD <u>2-6 years</u> <u>2+ years</u>	
Blackberries	1	7	2
Blueberries	1.8	13	3
Boysenberry	1	7	2
Cereal grains	Omit *0.02		
Strawberry	1	94	24
Boscalid		NEDI: 28% of the ADI NESTI as % of the ARfD <u>2-6 years</u> <u>2+ years</u>	
Blackberries	6	<1	<1
Blueberries	13	<1	<1
Boysenberry	6	<1	<1
Raspberries, red, black	6	<1	<1
Strawberry	10	3	1
Bromopropylate		Dietary exposure estimate not required	
Pome fruits	Omit 5		
Stone fruits	Omit 5		
Bupirimate		NEDI: 1% of the ADI	
Strawberry	1		
Carbendazim		NEDI: 17% of the ADI NESTI as % of the ARfD <u>2-6 years</u> <u>2+ years</u>	
Chives	*0.1	<1	<1
Peppers, Chili	*0.1	1	<1
Peppers, Chili (dry)	20	25	7
Peppers, Sweet	*0.1	1	1
Spices	*0.1	1	<1
Carbetamide		Dietary exposure estimate not required	
Edible offal (mammalian)	Omit *0.1		
Eggs	Omit *0.1		
Meat [mammalian]	Omit *0.1		
Milks	Omit *0.1		
Poultry, Edible offal of	Omit *0.1		
Poultry meat	Omit *0.1		
Chlorpyrifos		NEDI: 75% of the ADI NESTI as % of the ARfD <u>2-6 years</u> <u>2+ years</u>	
Blackberries	0.5	<1	<1
Spices	5	3	1
Strawberry	0.3	3	1
Clofentezine		NEDI: 13% of the ADI	
Grapes	1		
Closantel		Dietary exposure estimate not required	
Cattle fat	Omit T3		
Cattle, Kidney	Omit T3		
Cattle, liver	Omit T1		
Cattle muscle	Omit T1		
Cyflufenamid		NEDI: <1% of the ADI NESTI as % of the ARfD <u>2-6 years</u> <u>2+ years</u>	
Grapes	0.15	3	1
Cyfluthrin		NEDI: 45% of the ADI NESTI as % of the ARfD <u>2-6 years</u> <u>2+ years</u>	
Grapes	1	84	38

Chemical Commodity descriptor	MRL (mg/kg)	Dietary Exposure Estimates
Cyhalothrin Berries and other small fruits	0.2	NEDI: 6% of the ADI NESTI as % of the ARfD <u>2-6 years</u> <u>2+ years</u> 18 11
Cyprodinil Blackberries Blueberries Boysenberry Raspberries, red, black Strawberry	10 3 10 10 5	NEDI: 27% of the ADI
Dicamba Soya bean	10	Dietary exposure estimate not required
1,3-dichloropropene Grapes	0.018	NEDI: <1% of the ADI
Difenoconazole Chives	2	NEDI: 18% of the ADI NESTI as % of the ARfD <u>2-6 years</u> <u>2+ years</u> <1 <1
Dinotefuran Grapes	0.9	NEDI: <1% of the ADI NESTI as % of the ARfD <u>2-6 years</u> <u>2+ years</u> 3 1
Ethametsulfuron-methyl Edible offal (mammalian) Eggs Lupin (dry) Meat (mammalian) Milks Poultry, edible offal of Poultry meat	Omit *0.02 Omit *0.02 Omit *0.02 Omit *0.02 Omit *0.02 Omit *0.02	Dietary exposure estimate not required
Fenbuconazole Blueberries	0.3	NEDI: 12% of the ADI NESTI as % of the ARfD <u>2-6 years</u> <u>2+ years</u> <1 <1
Fenpropathrin Grapes	5	NEDI: 31% of the ADI
Fenpyroximate Strawberry	1	NEDI: 41% of the ADI NESTI as % of the ARfD <u>2-6 years</u> <u>2+ years</u> 47 12

Chemical Commodity descriptor	MRL (mg/kg)	Dietary Exposure Estimates	
Fenthion		NEDI: 48% of the ADI NESTI as % of the ARfD <u>2-6 years</u> <u>2+ years</u>	
Apricot	T0.2	91	13
Cherries	T0.4	94	16
Citrus fruits	T0.7	8	Juice 3
		6	Lemon 2
		8	Mandarin 2
		9	Oranges 3
		12	Peel 3
Fig	Omit 2		
Fruiting vegetables, Cucurbits	Omit 3		
Fruiting vegetables, other than Cucurbits	Omit 5		
Grapes	T0.2	34	15
Guava	Omit 2		
Melons, except watermelon	T3	52	20
Nectarine	T0.25	78	34
Olive oil, crude	T0.5	13	2
Olives	T0.2	12	3
Peach	T0.2	72	25
Plums	T0.25	69	23
Peppers, chili	T7	18	51
Peppers, Sweet	T0.5	32	14
Persimmon, Japanese	T0.3	60	21
Pome fruits	T0.25	86	Apple 28
		92	Pear 28
Stone fruits	Omit 5		
Watermelon	T3	52	53
Fipronil		NEDI: 80% of the ADI NESTI as % of the ARfD <u>2-6 years</u> <u>2+ years</u>	
Peppers, Chili	*0.005	1	<1
Fluazifop-butyl		Dietary exposure estimate not required	
Coffee beans	Omit T1		
Olives	Omit T0.05		
Rhubarb	Omit *0.02		
Flubendiamide		NEDI: 39% of the ADI NESTI as % of the ARfD <u>2-6 years</u> <u>2+ years</u>	
Grapes	1.4	24	11
Fludioxonil		NEDI: 34% of the ADI	
Blackberries	5		
Boysenberry	5		
Raspberries, red, black	5		
Fluopicolide		NEDI: 2% of the ADI NESTI as % of the ARfD <u>2-6 years</u> <u>2+ years</u>	
Grapes	2	11	5
		2,6-dichlorobenzamide metabolite	
		NEDI: 9% of the ADI NESTI as % of the ARfD <u>2-6 years</u> <u>2+ years</u>	
		11	5
Hexythiazox		NEDI: 14% of the ADI	
Grapes	1		

Chemical Commodity descriptor	MRL (mg/kg)	Dietary Exposure Estimates	
Imidacloprid		NEDI: 17% of the ADI NESTI as % of the ARfD <u>2-6 years</u> <u>2+ years</u>	
Berries and other small fruits [except cranberry, grapes and strawberry]	5	10	14
Strawberry	0.5	1	<1
Iprodione		Dietary exposure estimate not required	
Adzuki bean (dry)	Omit T0.1		
Sunflower seed	Omit T0.05		
Taro	Omit *0.05		
Isofenphos		Dietary exposure estimate not required	
Banana	Omit *0.02		
Sugar cane	Omit *0.01		
Kresoxim-methyl		NEDI: <1% of the ADI	
Grapes	1		
Kitasamycin		Dietary exposure estimate not required	
Poultry, Edible offal of	Omit *0.2		
Poultry meat	Omit *0.2		
Mecoprop		Dietary exposure estimate not required	
Cereal grains	Omit *0.05		
Edible offal (mammalian)	Omit *0.05		
Eggs	Omit *0.05		
Meat [mammalian]	Omit *0.05		
Milks	Omit *0.05		
Poultry, Edible offal of	Omit *0.05		
Poultry meat	Omit *0.05		
Mepanipyrim		NEDI: <1% of the ADI NESTI as % of the ARfD <u>2-6 years</u> <u>2+ years</u>	
Strawberry	2	6	2
Metaflumizone		NEDI: <1% of the ADI	
Grapes	0.04		
Metalaxyl		NEDI: 8% of the ADI	
Chives	2		
Coriander (leaves, stem, roots)	2		
Spices	*0.1		
Methabenzthiazuron		Dietary exposure estimate not required	
Cereal grains	Omit *0.05		
Grapes	Omit *0.1		
Methomyl		Dietary exposure estimate not required	
Mango	Omit T*0.05		
Myclobutanil		NEDI: 6% of the ADI	
Blackberries	2		
Boysenberry	2		
Raspberries, red, black	2		
Naphthalophos		Dietary exposure estimate not required	
Goat, Edible offal of	Omit *0.1		
Goat meat	Omit *0.1		
Naptalam		Dietary exposure estimate not required	
Fruiting vegetables, Cucurbits	Omit *0.1		
Permethrin		NEDI: <1% of the ADI	
Peppers, Chili (dry)	10		
Phosmet		NEDI: 39% of the ADI NESTI as % of the ARfD <u>2-6 years</u> <u>2+ years</u>	
Cranberry	10	3	1

Chemical Commodity descriptor	MRL (mg/kg)	Dietary Exposure Estimates	
Pirimicarb		NEDI: 91% of the ADI NESTI as % of the ARfD <u>2-6 years</u> <u>2+ years</u>	
Peppers	1	9	15
Spices	*0.05	<1	<1
Strawberry	3	28	7
Pirimiphos-methyl		Dietary exposure estimate not required	
Kiwifruit	Omit 2		
Procymidone		NEDI: 38% of the ADI NESTI as % of the ARfD <u>2-6 years</u> <u>2+ years</u>	
Strawberry	*0.02	1	<1
Propazine		Dietary exposure estimate not required	
Lupin	Omit *0.1		
Propiconazole		NEDI: 8% of the ADI NESTI as % of the ARfD <u>2-6 years</u> <u>2+ years</u>	
Blackberries	1	<1	<1
Boysenberry	1	<1	<1
Raspberries, red, black	1	<1	<1
Spices	*0.1	<1	<1
Pyraclostrobin		NEDI: 2% of the ADI NESTI as % of the ARfD <u>2-6 years</u> <u>2+ years</u>	
Blackberries	4	6	1
Blueberries	4	6	1
Boysenberry	4	6	1
Raspberries, red, black	4	6	1
Strawberry	1	19	5
Pyrazophos		Dietary exposure estimate not required	
Cucumber	Omit T2		
Pyriproxyfen		NEDI: 6% of the ADI	
Grapes	2.5		
Quinclorac		NEDI: <1% of the ADI NESTI as % of the ARfD <u>2-6 years</u> <u>2+ years</u>	
Cranberry	1.5	<1	<1
Sethoxydim		Dietary exposure estimate not required	
Bergamot	Omit *0.1		
Burnet, salad	Omit *0.1		
Chervil	Omit *0.1		
Dill, seed	Omit *0.1		
Fennel, bulb	Omit 0.2		
Fennel, seed	Omit *0.1		
Herbs [except thyme]	Omit *0.1		
Kaffir lime leaves	Omit *0.1		
Lemon grass	Omit *0.1		
Lemon verbena (fresh weight)	Omit *0.1		
Mizuna	Omit *0.1		
Rose and dianthus (edible flowers)	Omit *0.1		
Strawberry	Omit 0.1		
Thyme	Omit 0.5		
Spectinomycin		Dietary exposure estimate not required	
Goat milk	Omit *2		

Chemical Commodity descriptor	MRL (mg/kg)	Dietary Exposure Estimates
Spiramycin Pig, Edible offal of Pig meat Poultry, Edible offal of Poultry meat	Omit *1 Omit *0.1 Omit *1 Omit *0.1	Dietary exposure estimate not required
Spirodiclofen Grapes	2	NEDI: 51% of the ADI
Tebuconazole Blackberries	 1	NEDI: 8% of the ADI NESTI as % of the ARfD <u>2-6 years</u> <u>2+ years</u> <1 <1
Thiacloprid Strawberry	 1	NEDI: 11% of the ADI NESTI as % of the ARfD <u>2-6 years</u> <u>2+ years</u> 31 8
Thiamethoxam Berries and other small fruits Grapes Sugar cane Tree nuts	 0.5 0.2 Omit T*0.02 Omit T0.02	NEDI: 16% of the ADI NESTI as % of the ARfD <u>2-6 years</u> <u>2+ years</u> 1 1 1 <1
Thiophanate-methyl Cherries	 20	NEDI: <1% of the ADI NESTI as % of the ARfD <u>2-6 years</u> <u>2+ years</u> Not appropriate for this population group 29
Triclabendazole Cattle milk	Omit T*0.05	Dietary exposure estimate not required
Vamidothion Apple Brassica (cole or cabbage) vegetables, Head cabbages, Flowerhead brassicas Peach Pear Potato	Omit 1 Omit 0.5 Omit 1 Omit 1 Omit 0.5	Dietary exposure estimate not required
Zoxamide Grapes	3	NEDI: 1% of the ADI

[†] The National Estimated Daily Intake (NEDI) represents an estimate of chronic dietary exposure from the whole diet for the general population aged 2 years and over, expressed in this table as a proportion of the relevant Acceptable Daily Intake (ADI).

[‡] The National Estimated Short Term Intake (NESTI), represents an estimate of acute dietary exposure from individual foods or food groups for the general population aged 2 years and over and for young children, expressed in this table as a proportion of the relevant Acute Reference Dose (ARfD), where established.

Further information on dietary exposure assessments is available at <http://www.foodstandards.gov.au/science/riskanalysis/exposure/pages/dietaryexposureandin4438.aspx>