

## **Supporting document SD2**

## Dietary exposure estimates

## Proposal M1009 – Maximum Residue Limits

Chemical	MRL	Dietary Exposure
Commodity descriptor	(mg/kg)	Estimates
Abamectin	(9,9)	NEDI: 61% of the ADI
		NESTI as % of the ARfD
		2-6 years 2+ years
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
0	0.05	<u>2-6 years</u> <u>2+ years</u>
Grapes	0.35	12 5 NEDI: 45% of the ADI
Azinphos-methyl		NESTI as % of the ARfD
Strawberry	1	2-6 years 2+ years 3
Azoxystrobin	<u> </u>	NEDI: 29% of the ADI
Blackberries	5	NEDI. 29% of the ADI
Boysenberry	5	
Peppers, Chili	3	
Peppers, Sweet	3	
Raspberries, red, black	5	
Spices	*0.1	
Strawberry	10	
Beta-cyfluthrin		NEDI: 89% of the ADI
Note: Beta-cyfluthrin MRLs are listed under	cyfluthrin	NESTI as % of the ARfD
		<u>2-6 years</u> <u>2+ years</u>
Grapes	1	84 38

Bifenthrin         (mg/kg)         Estimates           Bifenthrin         NEDI: 47% of the ADI NESTI as % of the ARID 2.66 years 2 ± years 1.8 13 3 3 3 3 2 5 years 2 ± years 1.8 13 3 3 3 3 3 2 5 years 2 ± years 1.8 13 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	Chemical	MRL	Dietary Exposure
Blackberries	Commodity descriptor	(mg/kg)	
Blackberries	Bifenthrin		NEDI: 47% of the ADI
Blackberries			NESTI as % of the ARfD
Blueberries   1.8			<u>2-6 years</u> <u>2+ years</u>
Boysenberry	Blackberries	· · · · · ·	
Cereal grains   Strawberry   1		1.8	
Strawberry		•	7 2
Boscalid			
Blackberries   6			
Blackberries   6	Boscalid		
Blackberries   6			
Blueberries	Disable and	0	I
Boysenberry Raspberries, red, black Strawberry 10 3 1 1   1   1   1   1   1   1   1   1			
Raspberries, red, black			
Strawberry			
Bromopropylate		-	
Pome fruits		10	_
Stone fruits		Omit 5	
NEDI: 1% of the ADI			notroquiisu
Strawberry   1		Offile 5	NEDI: 1% of the ADI
NEDI: 17% of the ADI NESTI as % of the ARID 2-6 years 2+ years 3 1 Cyfluthrin   NEDI: 45% of the ADI NESTI as % of the ARID 2-6 years 2+ years 2+ years 2+ years 3 1 NEDI: 75% of the ADI NESTI as % of the ARID 2-6 years 2+ years 3 1 NEDI: 75% of the ADI NESTI as % of the		1	INCOLUTE ADI
NESTI as % of the ARfD 2-6 years 2+ years 3+ years 3+ years 2+ years 3+ years 2+ years 3+ years 2+ years 3+ years 2+ years 3+ years 2+ years 3+ years 2+ years 2+ years 3+ years 2+ y		1	NEDI: 17% of the ADI
Chives	Carbendaziiii		
Chives			
Peppers, Chili	Chives	*0.1	
Peppers, Chili (dry)			
Peppers, Sweet   *0.1			
Spices		*0.1	
Edible offal (mammalian)	· ·	*0.1	1 <1
Eggs	Carbetamide		Dietary exposure estimate
Meat [mammalian]         Omit *0.1 Omit *0.1 Omit *0.1           Poultry, Edible offal of Poultry meat         Omit *0.1 Omit *0.1           Chlorpyrifos         NEDI: 75% of the ADI NESTI as % of the ARfD 2-6 years 2+ years           Blackberries         0.5          <1 <1 <1 <1	Edible offal (mammalian)	Omit *0.1	not required
Milks         Omit *0.1           Poultry, Edible offal of Poultry meat         Omit *0.1           Chlorpyrifos         NEDI: 75% of the ADI NESTI as % of the ARfD 2-6 years 2+ years           Blackberries         0.5         <1		Omit *0.1	
Poultry		Omit *0.1	
Poultry meat         Omit *0.1           Chlorpyrifos         NEDI: 75% of the ADI NESTI as % of the ARfD 2-6 years 2+ years           Blackberries         0.5         <1			
Chlorpyrifos         NEDI: 75% of the ADI NESTI as % of the ARfD 2-6 years 2+ years           Blackberries         0.5         <1			
NESTI as % of the ARfD   2-6 years   2+ years   2-6 years   2+ years   2-6 years   2+ years   2-6 years   2-7 ye	•	Omit *0.1	NEDI 750/ (1) 13
Blackberries   0.5   2-6 years   2+ years	Cniorpyritos		
Blackberries   0.5   <1   <1   <1   <			
Spices         5         3         1           Strawberry         0.3         3         1           Clofentezine         NEDI: 13% of the ADI           Grapes         1         Dietary exposure estimate           Cattle fat         Omit T3         not required           Cattle, Kidney         Omit T3         not required           Cattle, liver         Omit T1         NEDI: <1% of the ADI	Disakbarrias	0.5	
Strawberry         0.3         3         1           Clofentezine         NEDI: 13% of the ADI           Grapes         1         Dietary exposure estimate           Cattle fat         Omit T3         not required           Cattle, Kidney         Omit T3         Omit T1           Cattle, liver         Omit T1         NEDI: <1% of the ADI           Cattle muscle         NESTI as % of the ARfD           2-6 years         2+ years           Grapes         0.15         NEDI: 45% of the ADI           NESTI as % of the ARfD         NESTI as % of the ARfD           2-6 years         2+ years			
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 2-6 years 2+ years			
Closantel		0.5	
Cattle fat Cattle, Kidney Cattle, liver Cattle muscle  Cyflufenamid  Grapes  Omit T3 Omit T3 Omit T3 Omit T1  Omit T1  NEDI: <1% of the ADI NESTI as % of the ARfD 2-6 years 2+ years  NEDI: 45% of the ADI NESTI as % of the ARfD 2-6 years 2+ years		1	14LDI. 1570 OI LIIG ADI
Cattle fat         Omit T3         not required           Cattle, Kidney         Omit T3         not required           Cattle, liver         Omit T1         NEDI: <1% of the ADI NESTI as % of the ARfD 2-6 years 2+ years			Dietary exposure estimate
Cattle, Kidney         Omit T3           Cattle, liver         Omit T1           Cattle muscle         Omit T1           Cyflufenamid         NEDI: <1% of the ADI NESTI as % of the ARfD 2-6 years 2+ years 3 1		Omit T3	
Cattle, liver         Omit T1           Cattle muscle         Omit T1           Cyflufenamid         NEDI: <1% of the ADI NESTI as % of the ARfD 2-6 years 2+ years 3 1			
Cyflufenamid         Omit T1           REDI: <1% of the ADI NESTI as % of the ARfD 2-6 years 2+ years			
Cyflufenamid         NEDI: <1% of the ADI NESTI as % of the ARfD 2-6 years 2+ years 3 1           Grapes         0.15         NEDI: 45% of the ADI NESTI as % of the ARfD 2-6 years 2+ years			
NESTI as % of the ARfD   2-6 years   2+ years   3   1			NEDI: <1% of the ADI
Grapes         0.15         2-6 years 3 1         2+ years 3 1           Cyfluthrin         NEDI: 45% of the ADI NESTI as % of the ARfD 2-6 years 2+ years	_		
Grapes         0.15         3         1           Cyfluthrin         NEDI: 45% of the ADI NESTI as % of the ARfD 2-6 years         2+ years			
Cyfluthrin  NEDI: 45% of the ADI  NESTI as % of the ARfD  2-6 years  2+ years	Grapes	0.15	
<u>2-6 years</u> <u>2+ years</u>			NEDI: 45% of the ADI
			NESTI as % of the ARfD
Grapes 1 84 38			2-6 years 2+ years
	Grapes	1	84 38

Chemical	MRL	Dietary Exposure
Commodity descriptor	(mg/kg)	Estimates
Cyhalothrin		NEDI: 6% of the ADI
		NESTI as % of the ARfD
		<u>2-6 years</u> <u>2+ years</u>
Berries and other small fruits	0.2	18 11
Cyprodinil		NEDI: 27% of the ADI
Blackberries	10	
Blueberries	3	
Boysenberry	10	
Raspberries, red, black	10	
Strawberry	5	
Dicamba		Dietary exposure estimate
Soya bean	10	not required
1,3-dichloropropene		NEDI: <1% of the ADI
Grapes	0.018	
Difenoconazole		NEDI: 18% of the ADI
		NESTI as % of the ARfD
		2-6 years 2+ years
Chives	2	<1 <1
Dinotefuran		NEDI: <1% of the ADI
		NESTI as % of the ARfD
		<u>2-6 years</u> <u>2+ years</u>
Grapes	0.9	3 1
Ethametsulfuron-methyl		Dietary exposure estimate
Edible offal (mammalian)	Omit *0.02	not required
Eggs	Omit *0.02	
Lupin (dry)	Omit *0.02	
Meat (mammalian)	Omit *0.02	
Milks	Omit *0.02	
Poultry, edible offal of	Omit *0.02	
Poultry meat	Omit *0.02	NEDI 400/ (C) ABI
Fenbuconazole		NEDI: 12% of the ADI
		NESTI as % of the ARfD
Di al cuito	0.0	<u>2-6 years</u> <u>2+ years</u>
Blueberries	0.3	<1 <1 <1
Fenpropathrin	_	NEDI: 31% of the ADI
Grapes	5	NEDI 440/ -(-)
Fenpyroximate		NEDI: 41% of the ADI
		NESTI as % of the ARfD
Otras I are	4	<u>2-6 years</u> <u>2+ years</u>
Strawberry	1	47 12

Chemical	MRL	Dietary Exposure	
Commodity descriptor	(mg/kg)	Estimates	
Fenthion		NEDI: 48% of the ADI	
		NESTI as % of the ARfD	
		2-6 years 2+ years	
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	
	O 11 =	92 Pear 28	
Stone fruits	Omit 5		
Watermelon	T3	52 53	
Fipronil		NEDI: 80% of the ADI	
		NESTI as % of the ARfD	
Peppers, Chili	*0.005	2-6 years 2+ years 1 <1	
Fluazifop-butyl	0.000	Dietary exposure estimate	
Coffee beans	Omit T1	not required	
Olives	Omit T0.05	not roquired	
Rhubarb	Omit *0.02		
Flubendiamide	J 0.02	NEDI: 39% of the ADI	$\dashv$
		NESTI as % of the ARfD	
		2-6 years 2+ years	
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	
		2-6 years 2+ years	
Grapes	2	11 5	
·		2,6-dichlorobenzamide	
		metabolite	
•		NEDI: 9% of the ADI	
		NESTI as % of the ARfD	l
		NESTI as % of the ARfD  2-6 years  11  5	
Hexythiazox Grapes	1	NESTI as % of the ARfD 2-6 years 2+ years	

Chemical	MRL	Dietary Exposure
Commodity descriptor	(mg/kg)	Estimates
Imidacloprid	(mg/ng)	NEDI: 17% of the ADI
Illiadolopiid		NESTI as % of the ARfD
		2-6 years 2+ years
Berries and other small fruits [except	5	10 14
cranberry, grapes and strawberry]	O	
Strawberry	0.5	1 <1
Iprodione	0.0	Dietary exposure estimate
Adzuki bean (dry)	Omit T0.1	not required
Sunflower seed	Omit T0.05	
Taro	Omit *0.05	
Isofenphos	<b>C</b> 11111C 0100	Dietary exposure estimate
Banana	Omit *0.02	not required
Sugar cane	Omit *0.01	
Kresoxim-methyl		NEDI: <1% of the ADI
Grapes	1	
Kitasamycin	<del>-</del>	Dietary exposure estimate
Poultry, Edible offal of	Omit *0.2	not required
Poultry meat	Omit *0.2	
Mecoprop	J U.Z	Dietary exposure estimate
Cereal grains	Omit *0.05	not required
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	<del></del>	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
Cereal grains	Omit *0.05	not required
Grapes	Omit *0.1	
Methomyl		Dietary exposure estimate
Mango	Omit	not required
	T*0.05	NEDI cor tri teri
Myclobutanil		NEDI: 6% of the ADI
Blackberries	2	
Boysenberry	2	
Raspberries, red, black	2	
Naphthalophos	0	Dietary exposure estimate
Goat, Edible offal of	Omit *0.1	not required
Goat meat	Omit *0.1	Distance in the second
Naptalam	0 " +0 +	Dietary exposure estimate
Fruiting vegetables, Cucurbits	Omit *0.1	not required
Permethrin	40	NEDI: <1% of the ADI
Peppers, Chili (dry)	10	NEDI 0007 771 151
Phosmet		NEDI: 39% of the ADI
		NESTI as % of the ARfD
Cranbarry	10	2-6 years 2+ years
Cranberry	10	] 3 1

Chemical	MRL	Dietary Exposure
Commodity descriptor	(mg/kg)	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
Kiwifruit	Omit 2	not required
Procymidone		NEDI: 38% of the ADI
		NESTI as % of the ARfD
	*0.00	<u>2-6 years</u> <u>2+ years</u>
Strawberry	*0.02	1 <1
Propazine	0 - 1 +0 4	Dietary exposure estimate
Lupin	Omit *0.1	not required
Propiconazole		NEDI: 8% of the ADI
		NESTI as % of the ARfD
Distributed as	4	<u>2-6 years</u> <u>2+ years</u>
Blackberries	1	<1 <1
Boysenberry	1 1	<1 <1
Raspberries, red, black Spices	*0.1	<1 <1 <1 <1
	0.1	NEDI: 2% of the ADI
Pyraclostrobin		
		NESTI as % of the ARfD
Blackberries	4	2-6 years 2+ years 1
Blueberries	4 4	6 1 6 1
Boysenberry	4	6 1
Raspberries, red, black	4	6 1
Strawberry	1	19 5
Pyrazophos	<u> </u>	Dietary exposure estimate
Cucumber	Omit T2	not required
Pyriproxyfen	Offile 12	NEDI: 6% of the ADI
Grapes	2.5	14251. 070 01 110 7151
Quinclorac	2.0	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
Bergamot	Omit *0.1	not required
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
Goat milk	Omit *2	not required

Chemical	MRL	Dietary Exposure
Commodity descriptor	(mg/kg)	Estimates
Spiramycin		Dietary exposure estimate
Pig, Edible offal of	Omit *1	not required
Pig meat	Omit *0.1	
Poultry, Edible offal of	Omit *1	
Poultry meat	Omit *0.1	
Spirodiclofen		NEDI: 51% of the ADI
Grapes	2	
Tebuconazole		NEDI: 8% of the ADI
		NESTI as % of the ARfD
		<u>2-6 years</u> <u>2+ years</u>
Blackberries	1	<1 <1
Thiacloprid		NEDI: 11% of the ADI
·		NESTI as % of the ARfD
		2-6 years 2+ years
Strawberry	1	31 8
Thiamethoxam		NEDI: 16% of the ADI
		NESTI as % of the ARfD
		2-6 years 2+ years
Berries and other small fruits	0.5	1 1
Grapes	0.2	1
Sugar cane	Omit	
- Cagar carro	T*0.02	
Tree nuts	Omit T0.02	
Thiophanate-methyl	OIIII 10.02	NEDI: <1% of the ADI
		NESTI as % of the ARfD
Cherries	20	<u>2-6 years</u>
Chemes	20	
		appropriate for this
		population
Triclabendazole		group Dietary exposure estimate
	Omit	not required
Cattle milk	Omit T*0.05	not required
Vamidothion	1 0.05	Dietary exposure estimate
	Omit 1	not required
Apple  Proposice (colo er cabbage) vegetables		not required
Brassica (cole or cabbage) vegetables,	Omit 0.5	
Head cabbages, Flowerhead brassicas	Omit 1	
Peach	Omit 1	
Pear	Omit 1	
Potato	Omit 0.5	NEDI- 407 -441 - ADI
Zoxamide	0	NEDI: 1% of the ADI
Grapes	3	

<sup>&</sup>lt;sup>†</sup> 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).

<sup>‡</sup> The National Estimated Short Term Intake (NESTI), represents an estimate of acute dietary exposure from

Further information on dietary exposure assessments is available at <a href="http://www.foodstandards.gov.au/science/riskanalysis/exposure/pages/dietaryexposureandin">http://www.foodstandards.gov.au/science/riskanalysis/exposure/pages/dietaryexposureandin</a> 4438.aspx

<sup>&</sup>lt;sup>‡</sup> 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.