

**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 | | | | |
| Chervil  Coriander (leaves, roots and stem)  Grapes  Ground cherries [cape gooseberries]  Herbs  Lemon balm  Melons, except watermelon  Mizuna  Passionfruit  Rucola [rocket]  Watermelon | Omit T0.5  Omit T0.5  0.02  Omit T0.01  Omit T0.5  Omit T0.5  Omit T0.02  Omit T0.5  Omit T0.1  Omit T0.5  Omit T0.02 | 2-6 years  13 | | 2+ years  6 | | |
| **Acequinocyl** | | NEDI: 7% of the ADI | | | | |
| Grapes | 1.6 |
| **Acetamiprid** | | NEDI: 2% of the ADI | | | | |
| NESTI as % of the ARfD | | | | |
| Grapes | 0.35 | 2-6 years  12 | | 2+ years  5 | | |
| **Azinphos-methyl** | | NEDI: 45% of the ADI | | | | |
| NESTI as % of the ARfD | | | | |
| Strawberry | 1 | 2-6 years  12 | | 2+ years  3 | | |
| **Azoxystrobin** | | NEDI: 29% of the ADI | | | | |
| Blackberries  Boysenberry  Peppers, Chili  Peppers, Sweet  Raspberries, red, black  Spices  Strawberry | 5  5  3  3  5  \*0.1  10 |
| **Beta-cyfluthrin**  Note: Beta-cyfluthrin MRLs are listed under cyfluthrin | | NEDI: 89% of the ADI | | | | |
| NESTI as % of the ARfD | | | | |
| Grapes | 1 | 2-6 years  84 | | 2+ years  38 | | |
| **Bifenthrin** | | NEDI: 47% of the ADI | | | | |
| NESTI as % of the ARfD | | | | |
| Blackberries  Blueberries  Boysenberry  Cereal grains  Strawberry | 1  1.8  1  Omit \*0.02  1 | 2-6 years  7  13  7  94 | | 2+ years  2  3  2  24 | | |
| **Boscalid** | | NEDI: 28% of the ADI | | | | |
| NESTI as % of the ARfD | | | | |
| Blackberries  Blueberries  Boysenberry  Raspberries, red, black  Strawberry | 6  13  6  6  10 | 2-6 years  <1  <1  <1  <1  3 | | 2+ years  <1  <1  <1  <1  1 | | |
| **Bromopropylate** |  | Dietary exposure estimate not required | | | | |
| Pome fruits  Stone fruits | Omit 5  Omit 5 |
| **Bupirimate** | | NEDI: 1% of the ADI | | | | |
| Strawberry | 1 |
| **Carbendazim** | | NEDI: 17% of the ADI | | | | |
| NESTI as % of the ARfD | | | | |
| Chives  Peppers, Chili  Peppers, Chili (dry)  Peppers, Sweet  Spices | \*0.1  \*0.1  20  \*0.1  \*0.1 | 2-6 years  <1  1  25  1  1 | | 2+ years  <1  <1  7  1  <1 | | |
| **Carbetamide** |  | Dietary exposure estimate not required | | | | |
| Edible offal (mammalian)  Eggs  Meat [mammalian]  Milks  Poultry, Edible offal of  Poultry meat | Omit \*0.1  Omit \*0.1  Omit \*0.1  Omit \*0.1  Omit \*0.1  Omit \*0.1 |
| **Chlorpyrifos** | | NEDI: 75% of the ADI | | | | |
| NESTI as % of the ARfD | | | | |
| Blackberries  Spices  Strawberry | 0.5  5  0.3 | 2-6 years  <1  3  3 | | 2+ years  <1  1  1 | | |
| **Clofentezine** | | NEDI: 13% of the ADI | | | | |
| Grapes | 1 |
| **Closantel** |  | Dietary exposure estimate not required | | | | |
| Cattle fat  Cattle, Kidney  Cattle, liver  Cattle muscle | Omit T3  Omit T3  Omit T1  Omit T1 |
| **Cyflufenamid** | | NEDI: <1% of the ADI | | | | |
| NESTI as % of the ARfD | | | | |
| Grapes | 0.15 | 2-6 years  3 | | 2+ years  1 | | |
| **Cyfluthrin** | | NEDI: 45% of the ADI | | | | |
| NESTI as % of the ARfD | | | | |
| Grapes | 1 | 2-6 years  84 | | 2+ years  38 | | |
| **Cyhalothrin** | | NEDI: 6% of the ADI | | | | |
| NESTI as % of the ARfD | | | | |
| Berries and other small fruits | 0.2 | 2-6 years  18 | | 2+ years  11 | | |
| **Cyprodinil** | | NEDI: 27% of the ADI | | | | |
| Blackberries  Blueberries  Boysenberry  Raspberries, red, black  Strawberry | 10  3  10  10  5 |
| **Dicamba** |  | Dietary exposure estimate not required | | | | |
| Soya bean | 10 |
| **1,3-dichloropropene** | | NEDI: <1% of the ADI | | | | |
| Grapes | 0.018 |
| **Difenoconazole** | | NEDI: 18% of the ADI | | | | |
| NESTI as % of the ARfD | | | | |
| Chives | 2 | 2-6 years  <1 | | 2+ years  <1 | | |
| **Dinotefuran** | | NEDI: <1% of the ADI | | | | |
| NESTI as % of the ARfD | | | | |
| Grapes | 0.9 | 2-6 years  3 | | 2+ years  1 | | |
| **Ethametsulfuron-methyl** |  | Dietary exposure estimate not required | | | | |
| 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  Omit \*0.02 |
| **Fenbuconazole** | | NEDI: 12% of the ADI | | | | |
| NESTI as % of the ARfD | | | | |
| Blueberries | 0.3 | 2-6 years  <1 | | 2+ years  <1 | | |
| **Fenpropathrin** | | NEDI: 31% of the ADI | | | | |
| Grapes | 5 |
| **Fenpyroximate** | | NEDI: 41% of the ADI | | | | |
| NESTI as % of the ARfD | | | | |
| Strawberry | 1 | 2-6 years  47 | | 2+ years  12 | | |
| **Fenthion** | | NEDI: 48% of the ADI | | | | |
| NESTI as % of the ARfD | | | | |
| Apricot  Cherries  Citrus fruits  Fig  Fruiting vegetables, Cucurbits  Fruiting vegetables, other than Cucurbits  Grapes  Guava  Melons, except watermelon  Nectarine  Olive oil, crude  Olives  Peach  Plums  Peppers, chili  Peppers, Sweet  Persimmon, Japanese  Pome fruits  Stone fruits  Watermelon | T0.2  T0.4  T0.7  Omit 2  Omit 3  Omit 5  T0.2  Omit 2  T3  T0.25  T0.5  T0.2  T0.2  T0.25  T7  T0.5  T0.3  T0.25  Omit 5  T3 | 2-6 years | | | 2+ years | |
| 91  94  8  6  8  9  12  34  52  78  13  12  72  69  18  32  60  86  92  52 | Juice  Lemon  Mandarin  Oranges  Peel  Apple  Pear | | | 13  16  3  2  2  3  3  15  20  34  2  3  25  23  51  14  21  28  28  53 |
| **Fipronil** | | NEDI: 80% of the ADI | | | | |
| NESTI as % of the ARfD | | | | |
| Peppers, Chili | \*0.005 | 2-6 years  1 | | 2+ years  <1 | | |
| **Fluazifop-butyl** |  | Dietary exposure estimate not required | | | | |
| Coffee beans  Olives  Rhubarb | Omit T1  Omit T0.05  Omit \*0.02 |
| **Flubendiamide** | | NEDI: 39% of the ADI | | | | |
| NESTI as % of the ARfD | | | | |
| Grapes | 1.4 | 2-6 years  24 | | 2+ years  11 | | |
| **Fludioxonil** | | NEDI: 34% of the ADI | | | | |
| Blackberries  Boysenberry  Raspberries, red, black | 5  5  5 |
| **Fluopicolide** | | NEDI: 2% of the ADI | | | | |
| NESTI as % of the ARfD | | | | |
| Grapes | 2 | 2-6 years  11 | | 2+ years  5 | | |
| 2,6-dichlorobenzamide metabolite | | | | |
| NEDI: 9% of the ADI | | | | |
| NESTI as % of the ARfD | | | | |
| 2-6 years  11 | | 2+ years  5 | | |
| **Hexythiazox** | | NEDI: 14% of the ADI | | | | |
| Grapes | 1 |
| **Imidacloprid** | | NEDI: 17% of the ADI | | | | |
| NESTI as % of the ARfD | | | | |
| Berries and other small fruits [except cranberry, grapes and strawberry]  Strawberry | 5  0.5 | 2-6 years  10  1 | | 2+ years  14  <1 | | |
| **Iprodione** |  | Dietary exposure estimate not required | | | | |
| Adzuki bean (dry)  Sunflower seed  Taro | Omit T0.1  Omit T0.05  Omit \*0.05 |
| **Isofenphos** |  | Dietary exposure estimate not required | | | | |
| Banana  Sugar cane | Omit \*0.02  Omit \*0.01 |
| **Kresoxim-methyl** | | NEDI: <1% of the ADI | | | | |
| Grapes | 1 |
| **Kitasamycin** |  | Dietary exposure estimate not required | | | | |
| Poultry, Edible offal of  Poultry meat | Omit \*0.2  Omit \*0.2 |
| **Mecoprop** |  | Dietary exposure estimate not required | | | | |
| Cereal grains  Edible offal (mammalian)  Eggs  Meat [mammalian]  Milks  Poultry, Edible offal of  Poultry meat | Omit \*0.05  Omit \*0.05  Omit \*0.05  Omit \*0.05  Omit \*0.05  Omit \*0.05  Omit \*0.05 |
| **Mepanipyrim** | | NEDI: <1% of the ADI | | | | |
| NESTI as % of the ARfD | | | | |
| Strawberry | 2 | 2-6 years  6 | | 2+ years  2 | | |
| **Metaflumizone** | | NEDI: <1% of the ADI | | | | |
| Grapes | 0.04 |
| **Metalaxyl** | | NEDI: 8% of the ADI | | | | |
| Chives  Coriander (leaves, stem, roots)  Spices | 2  2  \*0.1 |
| **Methabenzthiazuron** |  | Dietary exposure estimate not required | | | | |
| Cereal grains  Grapes | Omit \*0.05  Omit \*0.1 |
| **Methomyl** |  | Dietary exposure estimate not required | | | | |
| Mango | Omit T\*0.05 |
| **Myclobutanil** | | NEDI: 6% of the ADI | | | | |
| Blackberries  Boysenberry  Raspberries, red, black | 2  2  2 |
| **Naphthalophos** |  | Dietary exposure estimate not required | | | | |
| Goat, Edible offal of  Goat meat | Omit \*0.1  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 | | | | |
| Cranberry | 10 | 2-6 years  3 | | 2+ years  1 | | |
| **Pirimicarb** | | NEDI: 91% of the ADI | | | | |
| NESTI as % of the ARfD | | | | |
| Peppers  Spices  Strawberry | 1  \*0.05  3 | 2-6 years  9  <1  28 | | 2+ years  15  <1  7 | | |
| **Pirimiphos-methyl** |  | Dietary exposure estimate not required | | | | |
| Kiwifruit | Omit 2 |
| **Procymidone** | | NEDI: 38% of the ADI | | | | |
| NESTI as % of the ARfD | | | | |
| Strawberry | \*0.02 | 2-6 years  1 | | 2+ years  <1 | | |
| **Propazine** |  | Dietary exposure estimate not required | | | | |
| Lupin | Omit \*0.1 |
| **Propiconazole** | | NEDI: 8% of the ADI | | | | |
| NESTI as % of the ARfD | | | | |
| Blackberries  Boysenberry  Raspberries, red, black  Spices | 1  1  1  \*0.1 | 2-6 years  <1  <1  <1  <1 | | 2+ years  <1  <1  <1  <1 | | |
| **Pyraclostrobin** | | NEDI: 2% of the ADI | | | | |
| NESTI as % of the ARfD | | | | |
| Blackberries  Blueberries  Boysenberry  Raspberries, red, black  Strawberry | 4  4  4  4  1 | 2-6 years  6  6  6  6  19 | | 2+ years  1  1  1  1  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 | | | | |
| Cranberry | 1.5 | 2-6 years  <1 | | 2+ years  <1 | | |
| **Sethoxydim** |  | Dietary exposure estimate not required | | | | |
| Bergamot  Burnet, salad  Chervil  Dill, seed  Fennel, bulb  Fennel, seed  Herbs [except thyme]  Kaffir lime leaves  Lemon grass  Lemon verbena (fresh weight)  Mizuna  Rose and dianthus (edible flowers)  Strawberry  Thyme | Omit \*0.1  Omit \*0.1  Omit \*0.1  Omit \*0.1  Omit 0.2  Omit \*0.1  Omit \*0.1  Omit \*0.1  Omit \*0.1  Omit \*0.1  Omit \*0.1  Omit \*0.1  Omit 0.1  Omit 0.5 |
| **Spectinomycin** |  | Dietary exposure estimate not required | | | | |
| Goat milk | Omit \*2 |
| **Spiramycin** |  | Dietary exposure estimate not required | | | | |
| Pig, Edible offal of  Pig meat  Poultry, Edible offal of  Poultry meat | Omit \*1  Omit \*0.1  Omit \*1  Omit \*0.1 |
| **Spirodiclofen** | | NEDI: 51% of the ADI | | | | |
| Grapes | 2 |
| **Tebuconazole** | | NEDI: 8% of the ADI | | | | |
| NESTI as % of the ARfD | | | | |
| Blackberries | 1 | 2-6 years  <1 | | 2+ years  <1 | | |
| **Thiacloprid** | | NEDI: 11% of the ADI | | | | |
| NESTI as % of the ARfD | | | | |
| Strawberry | 1 | 2-6 years  31 | | 2+ years  8 | | |
| **Thiamethoxam** | | NEDI: 16% of the ADI | | | | |
| NESTI as % of the ARfD | | | | |
| Berries and other small fruits  Grapes  Sugar cane  Tree nuts | 0.5  0.2  Omit T\*0.02  Omit T0.02 | 2-6 years  1  1 | | 2+ years  1  <1 | | |
| **Thiophanate-methyl** | | NEDI: <1% of the ADI | | | | |
| NESTI as % of the ARfD | | | | |
| Cherries | 20 | 2-6 years  Not appropriate for this population group | | 2+ years  29 | | |
| **Triclabendazole** |  | Dietary exposure estimate not required | | | | |
| Cattle milk | Omit T\*0.05 |
| **Vamidothion** |  | Dietary exposure estimate not required | | | | |
| 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 |
| **Zoxamide** | | NEDI: 1% of the ADI | | | | |
| Grapes | 3 |

† 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](http://www.foodstandards.gov.au/science/exposure/pages/dietaryexposureandin4438.aspx)