

**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 |
| ChervilCoriander (leaves, roots and stem)GrapesGround cherries [cape gooseberries]HerbsLemon balmMelons, except watermelonMizunaPassionfruitRucola [rocket]Watermelon  | Omit T0.5Omit T0.50.02Omit T0.01Omit T0.5Omit T0.5Omit T0.02Omit T0.5Omit T0.1Omit T0.5Omit T0.02 | 2-6 years13 | 2+ years6 |
| **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 years12 | 2+ years5 |
| **Azinphos-methyl** | NEDI: 45% of the ADI |
| NESTI as % of the ARfD |
| Strawberry | 1 | 2-6 years12 | 2+ years3 |
| **Azoxystrobin** | NEDI: 29% of the ADI |
| BlackberriesBoysenberryPeppers, ChiliPeppers, SweetRaspberries, red, blackSpicesStrawberry | 55335\*0.110 |
| **Beta-cyfluthrin**Note: Beta-cyfluthrin MRLs are listed under cyfluthrin | NEDI: 89% of the ADI |
| NESTI as % of the ARfD |
| Grapes | 1 | 2-6 years84 | 2+ years38 |
| **Bifenthrin** | NEDI: 47% of the ADI |
| NESTI as % of the ARfD |
| BlackberriesBlueberriesBoysenberryCereal grainsStrawberry | 11.81Omit \*0.021 | 2-6 years713794 | 2+ years23224 |
| **Boscalid** | NEDI: 28% of the ADI |
| NESTI as % of the ARfD |
| BlackberriesBlueberriesBoysenberryRaspberries, red, blackStrawberry | 6136610 | 2-6 years<1<1<1<13 | 2+ years<1<1<1<11 |
| **Bromopropylate** |  | Dietary exposure estimate not required |
| Pome fruitsStone fruits | Omit 5Omit 5 |
| **Bupirimate** | NEDI: 1% of the ADI |
| Strawberry | 1 |
| **Carbendazim** | NEDI: 17% of the ADI |
| NESTI as % of the ARfD |
| ChivesPeppers, ChiliPeppers, Chili (dry)Peppers, SweetSpices | \*0.1\*0.120\*0.1\*0.1 | 2-6 years<112511 | 2+ years<1<171<1 |
| **Carbetamide** |  | Dietary exposure estimate not required |
| Edible offal (mammalian)EggsMeat [mammalian]MilksPoultry, Edible offal ofPoultry meat | Omit \*0.1Omit \*0.1Omit \*0.1Omit \*0.1Omit \*0.1Omit \*0.1 |
| **Chlorpyrifos** | NEDI: 75% of the ADI |
| NESTI as % of the ARfD |
| BlackberriesSpicesStrawberry | 0.550.3 | 2-6 years<133 | 2+ years<111 |
| **Clofentezine** | NEDI: 13% of the ADI |
| Grapes | 1 |
| **Closantel** |  | Dietary exposure estimate not required |
| Cattle fatCattle, KidneyCattle, liverCattle muscle | Omit T3Omit T3Omit T1Omit T1 |
| **Cyflufenamid** | NEDI: <1% of the ADI |
| NESTI as % of the ARfD |
| Grapes | 0.15 | 2-6 years3 | 2+ years1 |
| **Cyfluthrin** | NEDI: 45% of the ADI |
| NESTI as % of the ARfD |
| Grapes | 1 | 2-6 years84 | 2+ years38 |
| **Cyhalothrin** | NEDI: 6% of the ADI |
| NESTI as % of the ARfD |
| Berries and other small fruits | 0.2 | 2-6 years18 | 2+ years11 |
| **Cyprodinil** | NEDI: 27% of the ADI |
| BlackberriesBlueberriesBoysenberryRaspberries, red, blackStrawberry | 10310105 |
| **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 years3 | 2+ years1 |
| **Ethametsulfuron-methyl** |  | Dietary exposure estimate not required |
| Edible offal (mammalian) EggsLupin (dry)Meat (mammalian)MilksPoultry, edible offal ofPoultry meat | Omit \*0.02Omit \*0.02Omit \*0.02Omit \*0.02Omit \*0.02Omit \*0.02Omit \*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 years47 | 2+ years12 |
| **Fenthion** | NEDI: 48% of the ADI |
| NESTI as % of the ARfD |
| ApricotCherriesCitrus fruitsFigFruiting vegetables, CucurbitsFruiting vegetables, other than CucurbitsGrapesGuavaMelons, except watermelonNectarineOlive oil, crudeOlivesPeachPlumsPeppers, chiliPeppers, SweetPersimmon, JapanesePome fruitsStone fruitsWatermelon | T0.2T0.4T0.7Omit 2Omit 3Omit 5T0.2Omit 2T3T0.25T0.5T0.2T0.2T0.25T7T0.5T0.3T0.25Omit 5T3 | 2-6 years | 2+ years |
| 919486891234527813127269183260869252 | JuiceLemonMandarinOrangesPeelApplePear | 131632233152034232523511421282853 |
| **Fipronil** | NEDI: 80% of the ADI |
| NESTI as % of the ARfD |
| Peppers, Chili | \*0.005 | 2-6 years1 | 2+ years<1 |
| **Fluazifop-butyl** |  | Dietary exposure estimate not required |
| Coffee beansOlivesRhubarb | Omit T1Omit T0.05Omit \*0.02 |
| **Flubendiamide** | NEDI: 39% of the ADI |
| NESTI as % of the ARfD |
| Grapes | 1.4 | 2-6 years24 | 2+ years11 |
| **Fludioxonil** | NEDI: 34% of the ADI |
| BlackberriesBoysenberryRaspberries, red, black | 555 |
| **Fluopicolide** | NEDI: 2% of the ADI |
| NESTI as % of the ARfD |
| Grapes | 2 | 2-6 years11 | 2+ years5 |
| 2,6-dichlorobenzamide metabolite |
| NEDI: 9% of the ADI |
| NESTI as % of the ARfD |
| 2-6 years11 | 2+ years5 |
| **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 | 50.5 | 2-6 years101 | 2+ years14<1 |
| **Iprodione** |  | Dietary exposure estimate not required |
| Adzuki bean (dry)Sunflower seedTaro | Omit T0.1Omit T0.05Omit \*0.05 |
| **Isofenphos** |  | Dietary exposure estimate not required |
| BananaSugar cane | Omit \*0.02Omit \*0.01 |
| **Kresoxim-methyl** | NEDI: <1% of the ADI |
| Grapes | 1 |
| **Kitasamycin** |  | Dietary exposure estimate not required |
| Poultry, Edible offal ofPoultry meat | Omit \*0.2Omit \*0.2 |
| **Mecoprop** |  | Dietary exposure estimate not required |
| Cereal grainsEdible offal (mammalian)EggsMeat [mammalian]MilksPoultry, Edible offal ofPoultry meat | Omit \*0.05Omit \*0.05Omit \*0.05Omit \*0.05Omit \*0.05Omit \*0.05Omit \*0.05 |
| **Mepanipyrim** | NEDI: <1% of the ADI |
| NESTI as % of the ARfD |
| Strawberry | 2 | 2-6 years6 | 2+ years2 |
| **Metaflumizone** | NEDI: <1% of the ADI |
| Grapes | 0.04 |
| **Metalaxyl** | NEDI: 8% of the ADI |
| ChivesCoriander (leaves, stem, roots)Spices | 22\*0.1 |
| **Methabenzthiazuron** |  | Dietary exposure estimate not required |
| Cereal grainsGrapes | Omit \*0.05Omit \*0.1 |
| **Methomyl** |  | Dietary exposure estimate not required |
| Mango | Omit T\*0.05 |
| **Myclobutanil** | NEDI: 6% of the ADI |
| BlackberriesBoysenberryRaspberries, red, black | 222 |
| **Naphthalophos** |  | Dietary exposure estimate not required |
| Goat, Edible offal ofGoat meat | Omit \*0.1Omit \*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 years3 | 2+ years1 |
| **Pirimicarb** | NEDI: 91% of the ADI |
| NESTI as % of the ARfD |
| PeppersSpicesStrawberry | 1\*0.053 | 2-6 years9<128 | 2+ years15<17 |
| **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 years1 | 2+ years<1 |
| **Propazine** |  | Dietary exposure estimate not required |
| Lupin | Omit \*0.1 |
| **Propiconazole** | NEDI: 8% of the ADI |
| NESTI as % of the ARfD |
| BlackberriesBoysenberryRaspberries, red, blackSpices | 111\*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 |
| BlackberriesBlueberriesBoysenberryRaspberries, red, blackStrawberry | 44441 | 2-6 years666619 | 2+ years11115 |
| **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 |
| BergamotBurnet, saladChervilDill, seedFennel, bulbFennel, seedHerbs [except thyme]Kaffir lime leavesLemon grassLemon verbena (fresh weight)MizunaRose and dianthus (edible flowers)StrawberryThyme | Omit \*0.1Omit \*0.1Omit \*0.1Omit \*0.1Omit 0.2Omit \*0.1Omit \*0.1Omit \*0.1Omit \*0.1Omit \*0.1Omit \*0.1Omit \*0.1Omit 0.1Omit 0.5 |
| **Spectinomycin** |  | Dietary exposure estimate not required |
| Goat milk | Omit \*2 |
| **Spiramycin** |  | Dietary exposure estimate not required |
| Pig, Edible offal ofPig meatPoultry, Edible offal ofPoultry meat | Omit \*1Omit \*0.1Omit \*1Omit \*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 years31 | 2+ years8 |
| **Thiamethoxam** | NEDI: 16% of the ADI |
| NESTI as % of the ARfD |
| Berries and other small fruitsGrapesSugar caneTree nuts | 0.50.2Omit T\*0.02Omit T0.02 | 2-6 years11 | 2+ years1<1 |
| **Thiophanate-methyl** | NEDI: <1% of the ADI |
| NESTI as % of the ARfD |
| Cherries | 20 | 2-6 yearsNot appropriate for this population group | 2+ years29 |
| **Triclabendazole** |  | Dietary exposure estimate not required |
| Cattle milk | Omit T\*0.05 |
| **Vamidothion** |  | Dietary exposure estimate not required |
| AppleBrassica (cole or cabbage) vegetables, Head cabbages, Flowerhead brassicasPeachPearPotato | Omit 1Omit 0.5Omit 1Omit 1Omit 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)