**Section 259.APPENDIX B Default Soil Cleanup Objectives − Pesticides**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Pesticide Name |  | CAS No.a |  | RecommendedTest Methodb |  | Subsurface(mg/kg) |  | Surface(mg/kg) |
|  |  |  |  |  |  |  |  |  |
| acetochlor |  | 34256-82-1 |  | 8151 |  | 0.12 |  | 0.9\* |
| acifluorfen sodium |  | 62476-59-9 |  | 8151 |  | 1.0 |  | 2.8 |
| alachlor |  | 15972-60-8 |  | 8081 |  | 0.02 |  | 1.7\* |
| aldicarb |  | 116-06-3 |  | 8321 |  | 0.02 |  | 0.03 |
| aldrin |  | 309-00-2 |  | 8081 |  | 0.01 |  | 0.02 |
| atrazine |  | 1912-24-9 |  | 8141 |  | 0.04 |  | 1.7\* |
| bentazon sodium |  | 50723-80-3 |  | 8151 |  | 1.2 |  | 2.6 |
| bromacil |  | 314-40-9 |  | 8321 |  | 3.3 |  | 5.2 |
| bromoxynil (o) |  | 1689-99-2 |  | 8270 |  | 2.1 |  | 6.9 |
| butylate |  | 2008-41-5 |  | 8270 |  | 7.7 |  | 27 |
| carbofuran |  | 1563-66-2 |  | 8270 |  | 0.3 |  | 0.6 |
| chlordane |  | 57-74-9 |  | 8081 |  | 7.2 |  | 29 |
| chlorimuron-ethyl |  | 90982-32-4 |  | 8081 |  | 1.3 |  | 3.6 |
| chlorpyrifos |  | 2921-88-2 |  | 8141 |  | 13 |  | 50 |
| cyanazine |  | 21725-46-2 |  | 8141 |  | 0.2 |  | 1.1\* |
| 2,4-D |  | 94-75-7 |  | 8151 |  | 0.5 |  | 1.1 |
| 4,4'-DDD |  | 72-54-8 |  | 8081 |  | 5.6 |  | 22 |
| 4,4'-DDE |  | 72-55-9 |  | 8081 |  | 16 |  | 64 |
| 4,4'-DDT |  | 50-29-3 |  | 8081 |  | 17 |  | 66 |
| diazinon |  | 333-41-5 |  | 8141 |  | 0.06 |  | 0.2 |
| dicamba |  | 1918-00-9 |  | 8151 |  | 1 |  | 1.4 |
| dieldrin |  | 60-57-1 |  | 8081 |  | 0.004 |  | 0.01 |
| dimethoate |  | 60-51-5 |  | 8141 |  | 0.01 |  | 0.01 |
| dinoseb |  | 88-85-7 |  | 8151 |  | 0.04 |  | 0.08 |
| disulfoton |  | 298-04-4 |  | 8141 |  | 0.02 |  | 0.2\* |
| endosulfan |  | 115-29-7 |  | 8081 |  | 150 |  | 600 |
| endothall |  | 145-73-3 |  | 8270 |  | 0.9 |  | 2.4 |
| endrin |  | 72-20-8 |  | 8081 |  | 1.2 |  | 5 |
| EPTC |  | 759-94-4 |  | 8270 |  | 3 |  | 10 |
| glyphosate |  | 1071-83-6 |  | 8321 |  | 91 |  | 350 |
| HCH-alpha |  | 319-84-6 |  | 8081 |  | 0.003 |  | 0.01 |
| heptachlor |  | 76-44-8 |  | 8081 |  | 0.6 |  | 2.3 |
| heptachlor epoxide |  | 1024-57-3 |  | 8081 |  | 0.9 |  | 3.8 |
| lindane |  | 58-89-9 |  | 8081 |  | 0.02 |  | 0.07 |
| linuron |  | 330-55-2 |  | 8321 |  | 0.5 |  | 1.7 |
| malathion |  | 121-75-5 |  | 8141 |  | 11 |  | 41 |
| methoxychlor |  | 72-43-5 |  | 8151 |  | 180 |  | 730 |
| metolachlor |  | 51218-45-2 |  | 8151 |  | 8.3 |  | 22 |
| metribuzin |  | 21087-64-9 |  | 8270 |  | 1.2 |  | 2.8 |
| parathion, ethyl |  | 56-38-2 |  | 8141 |  | 19 |  | 77 |
| parathion, methyl |  | 298-00-0 |  | 8141 |  | 0.7 |  | 2.6 |
| pendimethalin |  | 40487-42-1 |  | 8091 |  | 230 |  | 900 |
| permethrin |  | 52645-53-1 |  | 8081 |  | 830 |  | 3300 |
| phorate |  | 298-02-2 |  | 8141 |  | 0.09 |  | 1.1\* |
| simazine |  | 122-34-9 |  | 8141 |  | 0.05 |  | 1.7\* |
| 2,4,5-TP |  | 93-72-1 |  | 8270 |  | 17 |  | 65 |
| terbufos |  | 13071-79-9 |  | 8141 |  | 0.07 |  | 0.4\* |
| toxaphene |  | 8001-35-2 |  | 8081 |  | 18 |  | 72 |
| trifluralin |  | 1582-09-8 |  | 8091 |  | 23 |  | 100 |

Notes:

a Chemical Abstract Service (CAS)

b USEPA Test Methods (SW-846)

\* Application Rate Equivalents (AREs) are based on USEPA-approved pesticide label rates for the specific pesticide active ingredient and conservative assumptions about soil properties. AREs only apply to the upper one foot of soil or soil/gravel mixture and are used as the SCO for the upper one foot of soil or soil/gravel mixture if the ARE is greater than the SCO value calculated using the Equation in Section 259.350(a) of this Part and less than the RSDL value.

The application rate equivalents can be determined using the equation below:



Where:

|  |  |  |
| --- | --- | --- |
| AREs | = | application rate equivalent (mg/kg) |
| Applicationrate | = | current label application rate (lb/acre) for coarse-textured, low organic matter content soils |

(Source: Amended at 32 Ill. Reg. 1308, effective January 21, 2008)