

# Multiresidue Screen Analyte List and Reporting Limits, High Moisture Plant Tissues and Food Commodities

This is a multiresidue profile that employs the FDA Pesticides Analytical Manual, Volume I, Method 302 (Luke extraction, multidetector analysis):

|   |                        |
|---|------------------------|
| <b>Halogenated Pesticides</b>           | <b>GC-ECD</b>          |
| <b>Organophosphorous Pesticides</b>     | <b>GC-FPD</b>          |
| <b>Organonitrogen Pesticides</b>        | <b>GC-MS, SIM mode</b> |
| <b>Miscellaneous Pesticides in Soil</b> | <b>HPLC-MS</b>         |

## Organophosphorous and Organosulfur Pesticides

| <b>Analyte</b>      | <b>Reporting limit</b> | <b>Analyte</b>    | <b>Reporting limit</b> |
|---------------------|------------------------|-------------------|------------------------|
| Aspon               | 0.0084 mg/kg (ppm)     | Fensulfothion     | 0.0084 mg/kg (ppm)     |
| Azinphos-methyl     | 0.0084 mg/kg (ppm)     | Fenthion          | 0.0084 mg/kg (ppm)     |
| Carbofenthion       | 0.0084 mg/kg (ppm)     | Malathion         | 0.0084 mg/kg (ppm)     |
| Chlorfenvinphos     | 0.0084 mg/kg (ppm)     | Methidathion      | 0.0084 mg/kg (ppm)     |
| Chlorpyrifos        | 0.0084 mg/kg (ppm)     | Merphos           | 0.0084 mg/kg (ppm)     |
| Chlorpyrifos-methyl | 0.0084 mg/kg (ppm)     | Mevinphos         | 0.0084 mg/kg (ppm)     |
| Coumaphos           | 0.0084 mg/kg (ppm)     | Monocrotophos     | 0.0084 mg/kg (ppm)     |
| Demeton             | 0.0084 mg/kg (ppm)     | Parathion         | 0.0084 mg/kg (ppm)     |
| Diazinon            | 0.0084 mg/kg (ppm)     | Parathion-methyl  | 0.0084 mg/kg (ppm)     |
| Dichlorofenthion    | 0.0084 mg/kg (ppm)     | Phorate           | 0.0084 mg/kg (ppm)     |
| Dichlorvos          | 0.0084 mg/kg (ppm)     | Phosmet           | 0.0084 mg/kg (ppm)     |
| Dicrotophos         | 0.0084 mg/kg (ppm)     | Phosphamidon      | 0.0084 mg/kg (ppm)     |
| Dimethoate          | 0.0084 mg/kg (ppm)     | Pirimiphos-methyl | 0.0084 mg/kg (ppm)     |
| Disulfoton          | 0.0084 mg/kg (ppm)     | Propargite        | 0.017 mg/kg (ppm)      |
| EPN                 | 0.0084 mg/kg (ppm)     | Ronnel            | 0.0084 mg/kg (ppm)     |
| Ethion              | 0.0084 mg/kg (ppm)     | Sulprofos         | 0.0084 mg/kg (ppm)     |
| Ethoprop            | 0.0084 mg/kg (ppm)     | Terbufos          | 0.0084 mg/kg (ppm)     |
| Famphur             | 0.0084 mg/kg (ppm)     | Tetrachlorvinphos | 0.0084 mg/kg (ppm)     |
| Fenamiphos          | 0.0084 mg/kg (ppm)     | Tokuthion         | 0.0084 mg/kg (ppm)     |
| Fenitrothion        | 0.0084 mg/kg (ppm)     | Tricloronate      | 0.0084 mg/kg (ppm)     |

## Halogenated Pesticides

| Analyte                 | Reporting limit    | Analyte            | Reporting limit    |
|-------------------------|--------------------|--------------------|--------------------|
| Acetochlor              | 0.017 mg/kg (ppm)  | Endrin aldehyde    | 0.0084 mg/kg (ppm) |
| Alachlor                | 0.017 mg/kg (ppm)  | Endrin ketone      | 0.0084 mg/kg (ppm) |
| Aldrin                  | 0.0084 mg/kg (ppm) | Esfenvalerate      | 0.0084 mg/kg (ppm) |
| Benfluralin             | 0.0084 mg/kg (ppm) | Ethalfuralin       | 0.0084 mg/kg (ppm) |
| Bifenthrin              | 0.0084 mg/kg (ppm) | Etridiazole        | 0.0084 mg/kg (ppm) |
| $\alpha$ -BHC           | 0.0084 mg/kg (ppm) | Fenarimol          | 0.0084 mg/kg (ppm) |
| $\beta$ -BHC            | 0.0084 mg/kg (ppm) | Fenvalerate        | 0.0084 mg/kg (ppm) |
| $\delta$ -BHC           | 0.0084 mg/kg (ppm) | Flutolanil         | 0.042 mg/kg (ppm)  |
| $\gamma$ -BHC (Lindane) | 0.0084 mg/kg (ppm) | Folpet             | 0.017 mg/kg (ppm)  |
| Captafol                | 0.0084 mg/kg (ppm) | Heptachlor         | 0.0084 mg/kg (ppm) |
| Captan                  | 0.017 mg/kg (ppm)  | Heptachlor epoxide | 0.0084 mg/kg (ppm) |
| Chlordane               | 0.042 mg/kg (ppm)  | Hexachlorobenzene  | 0.0084 mg/kg (ppm) |
| Chlorobenzilate         | 0.017 mg/kg (ppm)  | Iprodione          | 0.0084 mg/kg (ppm) |
| Chloroneb               | 0.017 mg/kg (ppm)  | Methoxychlor       | 0.0084 mg/kg (ppm) |
| Chlorothalonil          | 0.0084 mg/kg (ppm) | Metolachlor        | 0.017 mg/kg (ppm)  |
| Cyfluthrin              | 0.042 mg/kg (ppm)  | Mirex              | 0.0084 mg/kg (ppm) |
| Cyhalothrin             | 0.042 mg/kg (ppm)  | Norflurazon        | 0.0084 mg/kg (ppm) |
| Cypermethrin            | 0.042 mg/kg (ppm)  | Ovex               | 0.0084 mg/kg (ppm) |
| p,p'-DDD                | 0.0084 mg/kg (ppm) | Oxadiazon          | 0.0084 mg/kg (ppm) |
| p,p'-DDE                | 0.0084 mg/kg (ppm) | Oxyfluorfen        | 0.0084 mg/kg (ppm) |
| p,p'-DDT                | 0.0084 mg/kg (ppm) | PCNB               | 0.0084 mg/kg (ppm) |
| Dacthal                 | 0.0084 mg/kg (ppm) | Permethrin         | 0.042 mg/kg (ppm)  |
| Deltamethrin            | 0.042 mg/kg (ppm)  | Prodiamine         | 0.0084 mg/kg (ppm) |
| Dichlobenil             | 0.0084 mg/kg (ppm) | Pronamide          | 0.0084 mg/kg (ppm) |
| Dicloran                | 0.0084 mg/kg (ppm) | Propachlor         | 0.017 mg/kg (ppm)  |
| Dicofol                 | 0.017 mg/kg (ppm)  | Propanil           | 0.0084 mg/kg (ppm) |
| Dieldrin                | 0.0084 mg/kg (ppm) | Propiconazole      | 0.017 mg/kg (ppm)  |
| Dithiopyr               | 0.0084 mg/kg (ppm) | Terbacil           | 0.0084 mg/kg (ppm) |
| Endosulfan I            | 0.0084 mg/kg (ppm) | Trifloxystrobin    | 0.0084 mg/kg (ppm) |
| Endosulfan II           | 0.0084 mg/kg (ppm) | Triflumazole       | 0.0084 mg/kg (ppm) |
| Endosulfan sulfate      | 0.0084 mg/kg (ppm) | Trifluralin        | 0.0084 mg/kg (ppm) |
| Endrin                  | 0.0084 mg/kg (ppm) | Vinclozalin        | 0.0084 mg/kg (ppm) |

### Organonitrogen Pesticides

| Analyte             | Reporting limit    | Analyte        | Reporting limit    |
|---------------------|--------------------|----------------|--------------------|
| Amitraz             | 0.017 mg/kg (ppm)  | Imidacloprid   | 0.0084 mg/kg (ppm) |
| Ametryn             | 0.0084 mg/kg (ppm) | Isoxaben       | 0.0084 mg/kg (ppm) |
| Atrazine            | 0.0084 mg/kg (ppm) | Mefenoxam      | 0.0084 mg/kg (ppm) |
| Azoxystrobin        | 0.0084 mg/kg (ppm) | Metalaxyl      | 0.0084 mg/kg (ppm) |
| Bensulide           | 0.0084 mg/kg (ppm) | Metribuzin     | 0.017 mg/kg (ppm)  |
| Boscalid            | 0.0084 mg/kg (ppm) | Myclobutanil   | 0.017 mg/kg (ppm)  |
| Bromacil            | 0.0084 mg/kg (ppm) | Oryzalin       | 0.0084 mg/kg (ppm) |
| Bromopropylate      | 0.017 mg/kg (ppm)  | Pendimethalin  | 0.0084 mg/kg (ppm) |
| Carfentrazone-ethyl | 0.0084 mg/kg (ppm) | Pirimicarb     | 0.0084 mg/kg (ppm) |
| Clothianidin        | 0.0084 mg/kg (ppm) | Prometon       | 0.017 mg/kg (ppm)  |
| Cyanazine           | 0.017 mg/kg (ppm)  | Prometryn      | 0.0084 mg/kg (ppm) |
| Diclofop-methyl     | 0.017 mg/kg (ppm)  | Propazine      | 0.0084 mg/kg (ppm) |
| Dimethenamid        | 0.0084 mg/kg (ppm) | Pyraclostrobin | 0.0084 mg/kg (ppm) |
| Diphenylamine       | 0.0084 mg/kg (ppm) | Pyridaben      | 0.017 mg/kg (ppm)  |
| Ethofumesate        | 0.0084 mg/kg (ppm) | Pyrimethanil   | 0.0084 mg/kg (ppm) |
| Fenbuconazole       | 0.017 mg/kg (ppm)  | Sethoxydim     | 0.17 mg/kg (ppm)   |
| Fenoxaprop-ethyl    | 0.017 mg/kg (ppm)  | Simazine       | 0.017 mg/kg (ppm)  |
| Fipronil            | 0.017 mg/kg (ppm)  | Simetryn       | 0.0084 mg/kg (ppm) |
| Fluazifop-P-butyl   | 0.017 mg/kg (ppm)  | Sulfentrazone  | 0.0084 mg/kg (ppm) |
| Fludioxonil         | 0.017 mg/kg (ppm)  | Tebuconazole   | 0.017 mg/kg (ppm)  |
| Flumioxazin         | 0.0084 mg/kg (ppm) | Tebuthiuron    | 0.017 mg/kg (ppm)  |
| Fluometuron         | 0.0084 mg/kg (ppm) | Thiabendazole  | 0.0084 mg/kg (ppm) |
| Fluoxypyr-meptyl    | 0.0084 mg/kg (ppm) | Triadimefon    | 0.017 mg/kg (ppm)  |
| Hexazinone          | 0.0084 mg/kg (ppm) |                |                    |

### Phenylurea Herbicides

|              |                    |         |                    |
|--------------|--------------------|---------|--------------------|
| Chlorpropham | 0.0084 mg/kg (ppm) | Monuron | 0.0084 mg/kg (ppm) |
| Diuron       | 0.0084 mg/kg (ppm) | Neburon | 0.0084 mg/kg (ppm) |
| DCPMU        | 0.0084 mg/kg (ppm) | Propham | 0.0084 mg/kg (ppm) |
| Fenuron      | 0.0084 mg/kg (ppm) | Siduron | 0.0084 mg/kg (ppm) |
| Linuron      | 0.0084 mg/kg (ppm) |         |                    |

### Carbamate Pesticides

|                    |                    |                     |                    |
|--------------------|--------------------|---------------------|--------------------|
| Aldicarb           | 0.0084 mg/kg (ppm) | 3-Hydroxycarbofuran | 0.0084 mg/kg (ppm) |
| Aldicarb sulfone   | 0.0084 mg/kg (ppm) | Methiocarb          | 0.0084 mg/kg (ppm) |
| Aldicarb sulfoxide | 0.0084 mg/kg (ppm) | Methomyl            | 0.0084 mg/kg (ppm) |
| Bendiocarb         | 0.0084 mg/kg (ppm) | Oxamyl              | 0.0084 mg/kg (ppm) |
| Carbaryl           | 0.0084 mg/kg (ppm) | Propoxur            | 0.0084 mg/kg (ppm) |
| Carbofuran         | 0.0084 mg/kg (ppm) | Thiobencarb         | 0.0084 mg/kg (ppm) |
| Fenobucarb         | 0.0084 mg/kg (ppm) |                     |                    |