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EC91-2500 Federally Registered Restricted Use Pesticides

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FEDERALLY REGISTERED RESTRICTED USE PESTICIDES

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The list of Restricted Use pesticides published herein is intended solely to assist applicators in recognizing products which may be classified for such use. This list is based on the Pesticide Information Network database as maintained by the U.S. Environmental Protection Agency (EPA). The official list of Restricted Use pesticides is subject to periodic change. For a current list of Restricted Use pesticides, contact the nearest EPA office.

RESTRICTED USE PESTICIDES

by Larry D. Schulze, Extension Pesticide Coordinator

COMMON NAME	TRADE NAME	PESTICIDE TYPE	FORMULATIONS RESTRICTED	USE PATTERN
Acrolein	Magnacide H and B, Aqualin	Herbicide	As sole active ingredient	All uses
Alachlor	Lasso, Lasso II, Lasso Micro-Tech, Partner, Cannon, Bullet, Lariat, Bronco, Freedom	Herbicide	All formulations	All uses
Aldicarb	Temik, Aldicarb	Nematicide, insecticide	As sole active ingredient and in combination with other actives; all granular formulations	All uses
Aluminum phosphide	Detia, Phos-Kill, L-Fume, Fumitoxin, TRI-TOX, Astoxin, Degesch, Phostoxin, Quick-Phos, Gastoxin, Quik-Fume	Fumigant	As sole active ingredient	All uses
Amitraz	Mitac	Insecticide, miticide	All formulations	Pears
Amitrole	Amizine, Amizol, Amitrol T, Weedazol	Herbicide	All formulations	All uses except homeowner
Arsenic acid	Desiccant L-10, Hy-Yield H-10, Poly Brand Dessicant, CCA Concentrate, Chemonite Part A	Herbicide, wood preservative	All formulations except brush-on	All dessicant uses, all wood preservative uses
Arsenic pentoxide	Wolman, Osmose K-33, CAA, Rentokil, Chromated Copper Arsenate	Wood preservative	All formulations	Wood preservative uses
Atrazine	Atrazine, AAtrex, Bicep, Extrazine, Bullet, Colonel, Atratol, Atraol, others.	Herbicide	All manufacturing and end use formulations	Agricultural; home use exempted from restrictions
Avermectin	Zephyr, Agri-Mek	Insecticide	Emulsifiable concentrate	Cotton, citrus
Avitrol	Avitrol	Bird control	All formulations	All uses
Azinphos-methyl	Guthion, Gusathion, Beetle Buster, Hel-Chem	Insecticide	All liquids with a concentration greater than 13.5%; all other formulations on a case by case basis	All uses

COMMON NAME	TRADE NAME	PESTICIDE TYPE	FORMULATIONS RESTRICTED	USE PATTERN
Bendiocarb	Turcam	Insecticide	Granular and wettable powder	Turf
Biphenethrin	Capture	Insecticide	Emulsifiable concentrate	Cotton
Bis(tributyltin) oxide	Interlux Micron, Interswift BKA007, KL-990 Graphcop, Super Epoxycop, Super Sea Jacket, Hi-Build, Navicote 2000, AF-SeafloZ-100	Biocide	Solution — ready to use	Antifouling paint
Bromoxynil	Buctril, Bronate	Herbicide	Emulsifiable concentrate	Broadleaf herbicide
Cadmium chloride	Caddy	Fungicide	Power sprayer	Mini-boom application to golf course greens and tees
Carbofuran	Furadan	Nematicide, insecticide	All formulations, except pellets/tablets	All uses
Chlordane	Chlordane, Gold Crest Termide/C-100	Termiticide	All formulations	All uses
Chlorophacinone	Rozol Blue Tracking Powder, Rozol Rodenticide Mineral Oil Concentrate	Rodenticide	Tracking powder, dust and ready-to-use formulations 0.2%	Inside buildings
Chloropicrin	Timberfume, Chlor-o-pic, Larvacide 100, Tri-Con, Trifume Pathofume, Brom-O-Gas, Terr-O-Gas, Pic-Brom, Bro-Mean, Pic-Chlor, Dowfume, others	Fumigant, fungicide, rodenticide	All formulations greater than 2% for outdoors; all 2% formulations and less for uses other than rodent control	All uses
Chromic acid	CCA (Chromated Copper Arsenate), Osmose K-33, others	Wood preservative	All formulations except brush-on	All wood preservative uses
Clonitralid	Bayluscide, Lamprey	Molluscide	All wettable powders 70% and greater	All uses
Coal tar creosote	Osmoplastic, creosote oil	Wood preservative	All formulations	Wood preservative uses
Creosote oil	Original Carbolineum Compound	Wood preservative	All formulations	Wood preservative
Cyanazine	Bladex, Extrazine, Cycle	Herbicide	All formulations	All uses
Cypermethrin	Ammo, Cybush	Insecticide	All formulations	All ag crop uses
Diazinon	Diazinon 14G	Insecticide	14% granular	All uses

COMMON NAME	TRADE NAME	PESTICIDE TYPE	FORMULATIONS RESTRICTED	USE PATTERN
Dichloropropene	Telone II, Vorlex	Fumigant	All formulations (94% liquid concentrate is the only formulation)	All uses
Diclofop methyl	Hoelon 3, One-Shot 2.5	Herbicide	All formulations	All uses
Dicrotophos	Bidrin, Penetrex, Chiles' Go-Better	Insecticide	All liquid formulations 8% and greater	All uses
Diflubenzuron	Dimilin	Insecticide	Wettable powders	All uses
Dioxathion	Delnav, Tick-Tox	Insecticide, miticide	All concentrate solutions or emulsifiable concentrates greater than 30%; all solutions 3% and greater; concentrates or EC's less than 30%; domestic uses for wettable powders less than 30%	All uses
Disulfoton	Di-Syston, Root-X, Insyst-D, Big-D, Stand-Aid	Insecticide	Non aqueous solutions 95% and greater; granular formulations 10% and greater, all EC's 65% and greater; all EC's and concentrate solutions 21% and greater with 43% fensulfothion and greater; all EC's 32% and greater with 32% fensulfothion and greater; all end-use formulations greater than 2% on an interim basis pending receipt of data	Commercial seed uses; indoor (greenhouses); all uses
Dodemorph	Milban	Fungicide	All formulations	All uses
Endrin	Endrin	Insecticide	9.4% liquid (all others cancelled)	Bird perch use
Epibloc	Epibloc	Rodenticide	Granular	Rodenticide, bait
Ethion	Ethion	Insecticide	Only two products	All uses
Ethylene dibromide	Ethylene dibromide, TRI-X Garment Fumigant	Fumigant	Technical chemical	Citrus, shipboard fumigation
Ethoprop	Mocap	Insecticide	Emulsifiable concentrates 40% and greater. All granulars and fertilizer formulations	Aquatic uses — all uses
Fenamiphos	Nemacur	Nematicide	Emulsifiable concentrates 35% and greater	All uses

COMMON NAME	TRADE NAME	PESTICIDE TYPE	FORMULATIONS RESTRICTED	USE PATTERN
Fenitrothion	Sumithion 8E	Insecticide	Emulsifiable concentrate, 93% soluble concentrate/ liquid	Only forestry uses
Fensulfothion	BIG-D Granules	Insecticide	Concentrate solutions 63% and greater; all emulsifiable concentrates and concentrate solutions 43% and greater with disulfoton 21% and greater; all emulsifiable concentrates 32% and greater with disulfoton 32% and greater; all granulars	All uses
Fenthion	Mosquitocide 700, Rid-a-Bird, BX-1, BX-2	Insecticide	Emulsifiable concentrate	Mosquitocide
Fenvalerate	Asana, Asana XL	Insecticide	Emulsifiable concentrates (30%)	Outdoor uses
Fluvalinate	Spur	Insecticide	Emulsifiable concentrate of 2 lbs/gallon	Cotton use
Fonofos	Dyfonate	Insecticide	Emulsifiable concentrates 44% and greater; granulars 20% and greater	All uses
Isazofos	Triumph	Insecticide	All formulations	All uses
Isofenphos	Pryfon 6	Insecticide	65% liquid formulation	Termite control
Karate	Karate	Insecticide	All formulations	All uses
Lindane	Lindane, Borer Spray Dip, many trade names	Insecticide	All formulations for various uses	Avocados, pecans, livestock sprays, forestry, Christmas trees, ornamentals, structural treatment, dog dusts/ shampoos
Magnesium phosphide	Fumi-Cel, Magtoxin, Phostoxin	Insecticide, fumigant	All formulations	All uses
Methamidophos	Monitor 4	Insecticide	Liquid formulation 40% and greater, dust formulations 2.5% and greater	All uses
Methidathion	Supracide	Insecticide	All formulations	All uses except nursery stock, safflower and sunflower
Methiocarb	Mesuroi, Slug & Snail Bait, Slug'm, Mesrepel, others	Acaricide, insecticide, bird repellent	All formulations	Outdoor commercial and ag uses

COMMON NAME	TRADE NAME	PESTICIDE TYPE	FORMULATIONS RESTRICTED	USE PATTERN
Methomyl	Lannate, Methomyl 5G, Lannabait	Insecticide	As sole active ingredient in 1% to 2.5% baits (except 1% fly bait); concentrated solution formulations; 90% wettable powder formulations (not in water soluble bags)	Non-domestic outdoor ag crops, ornamentals and all turf; all other registered uses
Methyl bromide	Meth-o-gas, Terr-o-gas, MBC, Brom-O-Gas, Bro-Mean, Pic-Brom, Metabrom, Tri-Con, Trifume, Namfume, Plant Bed Gas, others	Fumigant	All formulations	All uses
Methyl isothiocyanate	Degussa methyl isothiocyanate	Wood preservative	Solution — ready to use	Fungicide for wood, wood preservative
Mevinphos	Phosdrin, Duraphos, Vegephos, others	Insecticide	All emulsifiable concentrates and liquid concentrates, 2% dust	All uses
Nicotine	Nicotine, Nico-Fume, others	Insecticide, fumigant	Liquid and dry formulations 14% and above for indoor use; all formulations to cranberries	Indoor (greenhouse), cranberries
Nitrogen, liquid	Liquid nitrogen	Insecticide	Solution — ready to use	Termiticide
Oxamyl	Vydate	Nematicide, insecticide	Liquid formulations; granular on a case by case basis	All uses
Oxydemeton methyl	Metasystox-R, others	Insecticide	All products	All uses
Paraquat	Paraquat, Gramoxone, Cyclone, Topgun, Prelude, Surefire, Colonel	Herbicide	All formulations and concentrates except for certain mixtures containing less than 0.44% paraquat; see label	All uses
Parathion, ethyl	Parathion, Phos Kil, Cyprex, Parawet, Para-Nine, Durathion, Niran, Para-Bamate, Boll Maker, Para-Nex, others	Insecticide	All formulations	All uses
Parathion, methyl	Methyl parathion, Penncap-M, others	Insecticide	All formulations	All uses
Pentachlorophenol	Penta, PCP, POL-NU, Pentacon, Osmoplastic, Forepen-50, others	Wood preservative	All formulations	Wood preservative uses

COMMON NAME	TRADE NAME	PESTICIDE TYPE	FORMULATIONS RESTRICTED	USE PATTERN
Pentachlorophenol, Sodium S	Mitrol G-ST	Wood preservative	All formulations	Wood preservative uses
Permethrin	Pounce, Ambush, Ketokil	Insecticide	All formulations	Ag crop uses (broadcast spray)
Phorate	Thimet, Rampart, Teraclor, others	Insecticide	Liquid formulations 65% and greater; all granular formulations	All uses
Phosphamidon	Phosphamidon, Swat	Insecticide	Liquid formulations 75% and greater, dust formulations 1.5% and greater	All uses
Picloram	Tordon, Access, Grazon	Herbicide	All formulations and concentrations except Tordon 101R	All uses
Profenophos	Curacron	Insecticide	Emulsifiable concentrate 59.4%	Cotton
Pronamide	Kerb	Herbicide	All 50% wettable powders	All uses
Propetamphos	Safrothin, Zoecon RF-270	Insecticide	Emulsifiable concentrates 50%	Indoor domestic use
Resmethrin	Kill-Ko-Permgard, Ind-Sol, Vex	Insecticide	All formulations	Mosquito abatement and pest control treatments at non-agricultural sites
Sodium cyanide	M-44, cyanide	Rodenticide	All capsules and bait formulations	All uses
Sodium fluoracetate	Compound 1080, Livestock Protection Collar	Rodenticide	All solutions and dry baits	All uses
Sodium hydroxide	Augus Hot Rod	Herbicide	Ready to use	Control tree roots in sewage systems
Starlicide	Gull Toxicant 98%	Bird repellent	98% concentrates	Bird repellent
Strychnine	Strychnine, many names	Rodenticide	All dry baits, pellets and powder formulations	Various uses
Sulfotepp	Dithio Insecticidal Smoke	Insecticide	Sprays and smoke generators	All uses
Sulfuric acid	Sulfuric acid	Desiccant	Solution — ready to use	Desiccant for potato vines
Sulfuryl fluoride	Sulfuryl Fluoride Fumigant, Vikane	Fumigant	All formulations	All uses
Sulprofos	Bolstar 6	Insecticide	All formulations	All uses

COMMON NAME	TRADE NAME	PESTICIDE TYPE	FORMULATIONS RESTRICTED	USE PATTERN
Tefluthrin	Force	Insecticide	Granular product	Corn grown for seed
Terbufos	Counter	Insecticide	Granular formulations 15% and greater	All uses
Tergitol	Compound PA-14	Bird control	Solution — ready to use	Single dose poison used in avian population con- trol is limited to situations approved and supervised by USDA personnel trained in bird control
TFM	Sea Lamprey Larvicide, TFM Bar	Biocide	Impregnated material	Aquatic pest control
Toxaphene	Toxaphene, Helena Brand 4, Helena Brand 6, others	Insecticide	All formulations	All uses
Tralomethrin	Scout	Insecticide	All formulations	All ag crop uses
Tributyltin fluoride	Polyflo, Polycop Blue, KL-990, Amercoat 635, Pilot LL, Pro-Line 1077	Biocide	Solution — ready to use	Antifouling paint
Tributyltin methacrylate	TBT, Interlux Micron Interswift BKA007, Intersmooth Hisol, M&T Polyflo, Amercoat, Biocop, AF-SeafoZ-100, Classic Yacht 625, Hempel's	Biocide	Solution — ready to use	Antifouling paint
Triphenyltin hydroxide	Super Tin Man, Du-Ter, Triple Tin, Supertin, Brestan (R), others	Fungicide	All formulations	All uses
Zinc phosphide	Ridall-Zinc, Ditrac, ZP Tracking Powder, ZP Rodent Bait, others	Rodenticide	All dry formulations 60% and greater; all bait formulations; all dry formulations 10% and greater	All uses; non-domestic outdoor uses (other than 1-2% formulation in/around bldg.); domestic uses

**Chemicals Deleted from the Restricted Use List
Because of Product Cancellation**

COMMON NAME	TRADE NAME	PESTICIDE TYPE
Acrylonitrile	Acritet	Fumigant, insecticide
Allyl alcohol	Allyl Alcohol Weed Seed Killer	Fungicide
Brodifacoum	Havoc, Klerat, Ratak Plus, Talon, Volid	Rodenticide
Calcium cyanide	Calcium Cyanide A-Dust or G-Fumigant	Insecticide
Carbon tetrachloride	Dowfume 75, Vulcan Formula 72	Fumigant
Chlordimeform	Galecron, Fundal	Insecticide, miticide
Chlorfenvinphos	Residual Surface Spray and Larvicide, Coozona Poultry Premise Larvicide	Insecticide
Chlorobenzilate	Acaraben, others	Insecticide
Creosote	Coal tar creosote (non pressure), BL Coal Tar	Wood preservative
Cycloheximide	Acti-Aid	Fumigant, insecticide
DBCP (dibromochloropropane)	Nematocide EM or Solution	Fumigant
Demeton	Systox 2, Systox 6, Demox, Stemite	Insecticide
Diallate	Avadex	Herbicide
EPN	EPN Barricade, Budmor 42, Weapon, Ketokil, Big 6, Powertox, Veto, Valco 33, Trion 6	Insecticide, miticide
Flucythrinate	Pay Off, AASTAR	Insecticide
Fluoroacetamide	Fluoroacetamide/1081	Rodenticide
Hydrocyanic acid	Aero HCN	Fumigant
Monocrotophos	Azodrin, DPHMC 5, Chiles' Go-Better	Insecticide
Phosacetim	Gophacide, Gopher-Trol, others	Rodenticide
Phosalone	Zolone	Insecticide
Potassium pentachlorophenate	Permattox 180 or 182	Wood preservative
Sodium arsenate	Sodium arsenate, Osmosalts	Wood preservative
Sodium dichromate	Wolman Salts CCA-Type A and B, Wood Preservative CCA-Type A	Wood preservative
Sodium pyroarsenate	Wolman Salts CCA-Type B	Wood preservative
TEPP	Miller Kilmit-40	Insecticide