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EC95-2500-A Federally Registered Restricted Use Pesticides

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COOPERATIVE EXTENSION
INSTITUTE OF AGRICULTURE AND NATURAL RESOURCES
UNIVERSITY OF NEBRASKA-LINCOLN

FEDERALLY REGISTERED RESTRICTED USE PESTICIDES

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The list of Federally 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 Federally Restricted Use pesticides, contact the nearest EPA office.

FEDERALLY RESTRICTED USE PESTICIDES

by Larry D. Schulze, Extension Pesticide Coordinator

COMMON NAME	TRADE NAME	PESTICIDE TYPE	FORMULATIONS RESTRICTED	USE PATTERN
Acetamide	Guardsman	Herbicide	Dimethenamide 25.0%, atrazine 28.8%	For weed control in field corn, seed corn, popcorn and forage
Acetochlor	Harness Plus, Surpass, Doubleplay	Herbicide	Emulsifiable concentrate	Field corn, popcorn, and forage/fodder corn
Acrolein	Magnacide H and B, Aqualin	Herbicide	As sole active ingredient	All uses
Alachlor	Lasso, Lasso II, Lasso Micro-Tech, Partner, Cannon, Bullet, Bronco, Freedom, Ala-Scept, others	Herbicide	All formulations	All uses
Aldicarb	Temik	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, Phostoxin, Quick-Phos, Gastoxin, Quik-Fume, Delta Fumex, others	Fumigant	As sole active ingredient	All uses
Amitraz	Mitac, Tactic	Insecticide, miticide	All formulations	Pears
Amitrole	Amizol, Amitrol T	Herbicide	All formulations	All uses except homeowner
Arsenic acid	Desiccant L-10, Hy-Yield H-10, Poly Brand Dessicant, CCA Type C, Chemonite Part A	Herbicide, wood preservative	All formulations except brush-on	All dessicant uses, all wood preservative uses
Arsenic pentoxide	Osmose K-33, Chromated Copper Arsenate, CCA, Wolmanac Concentrate	Wood preservative	All formulations	Wood preservative uses
Atrazine	Atrazine, AAtrex, Bicep, Extrazine, Bullet, Colonel, Atratol, Atraol, Laddok, Sutazine, Marksman, Gladezine, others	Herbicide	All manufacturing and end use formulations	Agricultural and/or industrial herbicide. Home use exempted from restrictions
Avermectin	Zephyr, Agri-Mek	Insecticide	Emulsifiable concentrate	Cotton, citrus

COMMON NAME	TRADE NAME	PESTICIDE TYPE	FORMULATIONS RESTRICTED	USE PATTERN
Avitrol	Avitrol	Bird control	All formulations	All uses
Azinphos-methyl	Guthion, Beetle Buster, Ketokil No. 52, others	Insecticide	All liquids with a concentration greater than 13.5%. All other formulations on a case by case basis	All uses
Bendiocarb	Turcam	Insecticide	Granular and wettable powder	Turf
Biphenthrin	Capture 2	Insecticide	Emulsifiable concentrate	Cotton
Bis(tributyltin) oxide	Interlux Micron, Interswift BKA007, Super Sea Jacket, Sigmaplane 7284, Navicote 2000, AF-SeafloZ-100	Biocide	Solution, ready to use	Antifouling paint
Carbofuran	Furadan	Nematicide, insecticide	All formulations, except pellets/tablets	All uses
Chlorophacinone	Rozol Tracking Powder, Rozol Blue Tracking Powder	Rodenticide	Tracking powder, dust and ready-to-use formulations, 0.2%	Inside buildings
Chloropicrin	Timberfume, Chlor-O-Pic, Tri-Con, Brom-O-Gas, Terr-O-Gas, Pic-Brom, Bro-Mean, Pic-Chlor, Telone, Dowfume, others	Fumigant, fungicide, rodenticide	All formulations greater than 2% and all formulations for rodent control	All uses
Chlorothalonil	Consyst, Dacobre, Echo 75	Fungicide	Water dispersible granules	Cranberries, strawberries, almonds, walnuts, crabapples, pears, quinces, apricots, cherries and nectarines
Chlorpyrifos	Lorsban 4E-SG	Insecticide	Emulsifiable concentrate	Wheat
Chromic acid	CCA (Chromated Copper Arsenate), Osmose K-33, others	Wood preservative	All formulations except brush-on	All wood preservative uses
Clofentezine	Apollo SC	Miticide	Soluble concentrate	All uses
Coal tar	60/40 Creosote Coal Tar Solution	Wood preservative	Solution, ready to use	Wood preserving compounds
Coal tar creosote	Creosote Oil, Creosote Coal Tar, Smoplastic-F, Osmoplastic-D	Wood preservative	All formulations	Wood preservative uses
Coumaphos	CO-RAL	Insecticide	Flowable concentrate	Indoor
Creosote oil	Original Carbolineum	Wood preservative	All formulations	Wood preservative
Cyanazine	Bladex, Extrazine, Cycle	Herbicide	All formulations	All uses

COMMON NAME	TRADE NAME	PESTICIDE TYPE	FORMULATIONS RESTRICTED	USE PATTERN
Cyfluthrin	Baythroid 2	Insecticide	25% emulsifiable concentrate	Agricultural
Cyhalothrin	Karate C50	Insecticide	Emulsifiable concentrate	Cotton
Cypermethrin	Ammo	Insecticide	All formulations	All ag. crop uses
Diazinon	Diazinon	Insecticide	14G, AG 500, 50W, 4EC, 4AG	Small fruits
Dichloropropene	Telone Soil Fumigant, Tri-Form, Pic Clor, Brom 70/30	Fumigant	All formulations (94% liquid concentrate is the only formulation)	All uses
Diclofop methyl	Hoelon 3 EC or 3 EW, Brestan H 47.5	Herbicide	All formulations	All uses
Dicrotophos	Penetrex, Chiles' Go-Better, Mauget Inject-A-Cide B	Insecticide	All liquid formulations 8% and greater	All uses
Diffubenzuron	Dimilin	Insecticide	Wettable powders	All uses
Dioxathion	Cooper Del-Tox Delnav	Insecticide, miticide	All concentrate solutions or emulsifiable concentrates greater than 30%. All solutions 3% and greater for domestic uses	All uses
Disulfoton	Di-Syston, Root-X, Dot-Son Brand Stand-Aid, Rigo Insyst-D, Terraclor Super-X	Insecticide	All ECs 65% and greater. All ECs and concentrate solutions 21% and greater with fensulfothion 43% and greater. All ECs 32% and greater in combination with 32% fensulfothion and greater.	All uses. Commercial seed treatment (non-aqueous solution 95% and greater)
Dodemorph	Milban	Fungicide	All formulations	All uses
Endrin	Endrin 1.6 EC	Insecticide	9.4% liquid	Bird perch use
EPTC	Doubleplay	Herbicide	Emulsifiable concentrate	Grapes, citrus, grapefruit, lemons, oranges, tangerines, almonds, walnuts, tomatoes, potatoes, sweet potatoes
Ethion	Ethion 8	Insecticide	Emulsifiable concentrate	All uses
Ethoprop	Mocap, Holdem	Insecticide	Emulsifiable concentrates 40% and greater (aquatic). All granular 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	Insecticide	Emulsifiable concentrate, 93% soluble concentrate/liquid	Only forestry uses
Fenpropathrin	Danitol	Insecticide, miticide	2.4 EC spray	Cotton
Fenthion	Mosquitocide 700, Baytex, Rid-a-Bird, BX-1, BX-2	Insecticide	Emulsifiable concentrate	Mosquitocide
Fenvalerate	Asana XL, Fury 1.5	Insecticide	Emulsifiable concentrates (30%)	Outdoor uses
Fonofos	Dyfonate	Insecticide	Emulsifiable concentrates 44% and greater. Granulars 20% and greater.	All uses
Hydrogen cyanamide	Dormex	Herbicide	50% active ingredient	Desert grown grapes
Isazofos	Triumph 4E	Insecticide	All formulations	All uses
Isofenphos	Pryfon 6	Insecticide	65% liquid formulation	Termiticide
Lambda cyhalothrin	Karate, Scimitar	Insecticide	All formulations	All uses
Lindane	Lindane, Borer Spray, many trade names	Insecticide	All formulations for various uses	Avocados, pecans, live- stock sprays, forestry, Christmas trees, commer- cial ornamentals, structural treatments, dog dusts/shampoos.
Magnesium phosphide	Magtoxin, Phostoxin, Fumi-Cel Plate, Magnaphos	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	Mesuro!l, Slug & Snail Bait, Slug'm	Acaricide, insecticide, bird repellent	All formulations uses	Outdoor commercial and ag
Methomyl	Lannate, Methomyl 5G, Lannabait	Insecticide	As sole active ingredient in 1% to 2.5% baits (except 1% fly bait). All concentrated solution formulations and 90% WP formulations (not in water soluble bags)	Non-domestic outdoor ag crops, ornamentals and turf; all other registered uses

COMMON NAME	TRADE NAME	PESTICIDE TYPE	FORMULATIONS RESTRICTED	USE PATTERN
Methyl bromide	Meth-O-Gas, Terr-O-Gas, Brom-O-Gas, Bro-Mean, Pic-Brom, Metabrom, Tri-Con, Tri-Brom, 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, others	Insecticide	Emulsifiable concentrates, 2% dust	None
Niclosamide	Bayluscide	Molluscicide, larvicide	70% WP and greater	All uses
Nicotine	Nicotine, others	Insecticide, fumigant	Liquid and dry formulations 14% and above for indoor use, formulations to cranberries	Indoor (greenhouse) applications to all 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, Dylox/MSR, Inject-A-Cide, Harpoon	Insecticide	All products	All uses
Paraquat	Paraquat, Gramoxone, Prelude, Surefire	Herbicide	All formulations and concentrates except for certain mixtures. See label.	All uses
Parathion, ethyl	Parathion, Phos Kil, Parawet, Durathion, Dithion, Thionspray No.84, others	Insecticide	All formulations	All uses
Parathion, methyl	Methyl parathion, Penncap-M, Terrazole 5%, Dithon 63, Mal Methyl, Ketokil No. 52, Seis-Ties 6-3, Metaspray, Paraspray 6-3, others	Insecticide	All formulations	All uses
Pentachlorophenol	Penta, PCP, Pol-NU, Oz-88, Pentacon, Osmoplastic, Forepen-50, Dura-Treat, Penwar, others	Wood preservative	All formulations	Wood preservative uses
Pentachlorophenol, Sodium S	Mitrol G-ST, Dura Treat	Wood preservative	All formulations	Wood preservative uses
Permethrin	Pounce, Ambush, Ketokil, Biomist	Insecticide	All formulations	Ag crop uses (broadcast spray)
Phorate	Thimet, Rampart, Phorate, Holdem, Milo Bait, others	Insecticide	Liquid formulations 65% and greater. All granular formulations on rice	All uses

COMMON NAME	TRADE NAME	PESTICIDE TYPE	FORMULATIONS RESTRICTED	USE PATTERN
Phosphamidon	Phosphamidon 8	Insecticide	Liquid formulations 75% and greater, dust formulations 1.5% and greater	All uses
Picloram	Tordon 101/22K/K, Access, Grazon	Herbicide	All formulations and concentrations except Tordon 101R and Tordon RTU	All uses
Piperonyl butoxide	Vex, Oblique	Insecticide	Emulsifiable concentrate	Small fruits, certain berries
Profenophos	Curacron	Insecticide	Emulsifiable concentrate 59.4%	Cotton
Pronamide	Kerb	Herbicide	All 50% wettable powders	All uses
Propanoic acid	Bugle	Herbicide	Emulsifiable concentrate	Wheat, cotton, rice, clover, alfalfa, wheat-grass, sideoats grama, little bluestem, edible chrysanthemum
Propetamphos	Safrotin, Zoecon	Insecticide	Emulsifiable concentrates 50%	Indoor domestic use
Resmethrin	Kill-Ko-Permgard, Ind-Sol, Vex, Oblique, Bonide	Insecticide	All formulations	Mosquito abatement and pest control treatments at non-ag sites
Rotenone	Rotenone, Synpren, Prenfish, Fish-Tox, Chem Fish, NUSYN	Fish control	2.5/5.0 EC, 5.0% and 20.0% wettable powder	Fish kill — lakes, ponds and streams immediately above lakes and ponds
Simazine	Lilly Miller 4G, Printrex, Simazat	Herbicide	Emulsifiable concentrate	Berries (cane, black, blue, logan, cran., rasp., straw.), grapes
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
Sodium methylthiocarbamate	Metam, Vapam, Metam-Sodium	Fumigant	32.7% anhydrous	Soil fumigant — control soilborne pests to ornamentals, food and fiber crops
Starlicide	Gull Toxicant 98%	Bird repellent	98% concentrates	Bird repellent
Strychnine	Strychnine, Gopher Bait, Gopher Getter, Gopher-Rodent Killer, others	Rodenticide	Dry baits, pellets and powder formulations. See label for specifics.	Various uses

COMMON NAME	TRADE NAME	PESTICIDE TYPE	FORMULATIONS RESTRICTED	USE PATTERN
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
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, avian control, limited to USDA approved and supervised situations
TFM	Sea Lamprey Larvicide, TFM Bar	Biocide	Impregnated material	Aquatic pest control
Toxaphene	Toxaphene Methyl Parathion	Insecticide	All formulations	All uses
Tralomethrin	Scout	Insecticide	All formulations	All ag crop uses
Tributyltin fluoride	Polyflo, KL-990, Amercoat 635, Pro-Line 1077, Sea Hawk Biotin, Vin Clad Super Vinge	Biocide	Solution, ready to use	Antifouling paint
Tributyltin methacrylate	Interlux Micron, Interswift BKA007, Intersmooth Hisol, M&T Polyflo, Amercoat, Biocop, AF-SeafloZ-100, Classic Yacht 625, Hempel's.	Biocide	Solution, ready to use	Antifouling paint
Triphenyltin hydroxide	Super Tin Man, Du-Ter, Supertin, Brestan H/R, Photon	Fungicide	All formulations	All uses
Zinc phosphide	Ridall-Zinc Rodent Field/Ag Bait, ZP Tracking Powder, ZP Rodent Bait, Zincphos, 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 34-66	Fumigant, insecticide
Allyl alcohol	Weed Seed Killer	Herbicide
Alpha-chlorohydrin	Epibloc	Rodenticide
Brodifacoum	Talon G	Rodenticide
Butylate	Sutazine	Herbicide
Cadmium chloride	Caddy	Fungicide
Calcium cyanide	A-Dust, G-Fumigant	Insecticide
Carbon tetrachloride	Dowfume 75, Vulcan Formula 72	Fumigant
Chlordane	Chlordane	Termiticide
Chlordimeform	Galecron, Fundal	Insecticide, miticide
Chlorfenvinphos	Residual Surface Spray/Larvicide, Poultry Premise Larvicide	Insecticide
Chlorobenzilate	Acaraben, Benz-o-chlor, Benzilan	Insecticide
Creosote	Coal tar creosote (non-pressure), BL Coal Tar Creosote	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, Ketokil, Veto, others	Insecticide, miticide
Ethylene dibromide	TRI-X Garment Fumigant, Infuco Dibrome	Fumigant
Fensulfothion	Dasanit, BIG-D Granules	Insecticide
Flucythrinate	Pay Off, AASTAR	Insecticide
Fluoroacetamide	Fluoracetamide/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, B, and C	Wood preservative
Sodium pyroarsenate	Wolman Salts CCA-Type B	Wood preservative
TEPP	Miller Kilmitte-40	Insecticide