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EC90-2500 Federally Registered Restricted Use Pesticides

Larry D. Schulze

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FEDERALLY REGISTERED RESTRICTED USE PESTICIDES

July 1990



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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. The official list of Restricted Use pesticides is published by the U.S. Environmental Protection Agency (EPA) and 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	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	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
Allyl alcohol	Allyl Alcohol Weed Seed Killer	Fungicide	All 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, Tucu Baam	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, CCA, Rentokil, Chromated Copper Arsenate	Wood preservative	All formulations	All uses
Atrazine	Atrazine, Aatrex, Bicep, Extrazine, Bullet, Colonel, Atratul, Atraol, others.	Herbicide	Formulations 2% and greater. All technical product released after September 1, 1990 has restricted use label. The EPA is not requiring relabeling of products in the channels of trade.	All uses
Avermectin	Zephyr, Agri-Mek	Insecticide	Emulsifiable concentrate	Cotton, citrus
Avitrol	Avitrol, 4-Ap	Bird Control	All formulations	All uses

COMMON NAME	TRADE NAME	TYPE	FORMULATIONS RESTRICTED	USE PATTERN
Azinphos-methyl	Guthion, Gusathion, Looper-X, 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
Bendiocarb	Turcam	Insecticide	Granular and wettable powder	Turf
Biphenthrin	Capture	Insecticide	Emulsifiable concentrate	Cotton
Bis(tributyltin) oxide	Interlux Micron, Interswift BKA007, Graphcop, Super Epoxycop, Super Sea Jacket, Hi-Build, Navicote 2000, AF-SeafloZ-100	Biocide	Solution - ready to use	Antifouling paint
Brodifacoum	Talon G	Rodenticide	Ready to use baits 0.05%	In and around urban buildings
Bromodiolone	Maki Urban Rat and Mouse Meal Bait	Rodenticide	Bait	Maki Urban Rat and Mouse Meal Bait
Bromoxynil	Buctril	Herbicide	All formulations	All uses
Cadmium chloride	Caddy	Fungicide	Power Sprayer (only one registered to date)	Mini-boom application to golf course greens and tees
Calcium cyanide	Calcium Cyanide A-Dust or G-Fumigant	Insecticide	All formulations	All uses
Carbofuran	Furadan	Nematicide, Insecticide	All formulations	All uses
Carbon tetrachloride	Dowfume 75, Vulcan Formula 72	Fumigant	Liquid	Museum specimens
Chlordane	Chlordane, others	Termiticide	All formulations	All uses
Chlordimeform	Galecron, Funda	Insecticide, miticide	All formulations	Cotton (only registered use)
Chlorfenvinphos	Residual Surface Spray and Larvicide, Coopona Poultry Premise Larvicide	Insecticide	All concentrate solutions or emulsifiable concentrates 21% and greater	All uses
Chlorobenzilate	Acaraben, others	Insecticide	All formulations	Citrus (only registered use)

COMMON NAME	TRADE NAME	TYPE	FORMULATIONS RESTRICTED	USE PATTERN
Chlorophacinone	Rozol Blue Tracking Powder, Rozol Rodenticide Mineral Oil Concentrate	Rodenticide	Tracking powder, dust and ready-to-use formulations 0.2%	Inside buildings
Chloropicrin	Fume-33, 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 rodent control formulations greater than 2%, all outdoor use formulations, all 2% formulations and less for uses other than rodent control.	All uses
Chromic acid	CCA (Chromated Copper Arsenate), Osmose K-33, Wolmanac, others	Wood preservative	All formulations except brush-on	All wood preservative uses
Clonitralid	Bayluscide, Lamprey	Molluscide	All wettable powders 70% and greater, 5% granular.	All uses
Coal tar creosote	Pole-Life, Timpreg B, Osmotox-Plus, Klean-Strip, creosote oil	Wood preservative	All formulations	Wood preservative uses
Creosote	Coal tar creosote	Wood preservative	Coal tar	Pole-Tox wood Preserving compounds
Creosote oil	Preservative Paste, Pole-Tox, Original Carbolineum Compound	Wood preservative	All formulations	Wood preservative
Cyanazine	Bladex, Extrazine, Cycle	Herbicide	All formulations	All uses
Cycloheximide	Acti-Aid	Fumigant, Insecticide	All formulations	All uses
Cyfluthrin	Baythroid 2	Insecticide	25% EC	All ag uses
Cypermethrin	Ammo, Cybush	Insecticide	All formulations	All ag. crop uses
DBCP (dibromochloropropane)	Nematocide EM or Solution	Fumigant	All formulations	Pineapple uses
Demeton	Systox 2, Systox 6	Insecticide	1% fertilizer formulation, All granular formulations, emulsifiable concentrates, and concentrated solutions.	All uses
Diallate	Avadex	Herbicide	All formulations	All uses
Diazinon	Diazinon 14G	Insecticide	14% granular	All uses, effective Aug. 30, 1990 as per registrant.

COMMON NAME	TRADE NAME	TYPE	FORMULATIONS RESTRICTED	USE PATTERN
Dichloropropene	Telone II, Vorlex 201	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 W-25, 2F, and ODC	Insecticide	Wettable powders	All uses
Dioxathion	Delnav, Deltic, Delspray, Delmar Dog Dip, Delnap Dog Dip, Co-Nav	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, Mocap Plus, Root-X, 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 (Dansanit) and greater. All EC's 32% and greater with 32% fensulfothion (Dasanit) 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, Rid-a-Bird Perch Solution	Liquid Insecticide	9.4% liquid (all others cancelled)	Bird perch use
Epibloc	Epibloc	Rodenticide	Granular	Bait
EPN	EPN, Barricade, Budmor 42, Weapon, Ketokil, Big 6, Powertox, Veto, Valco 33, Trion 6,	Insecticide, miticide	All liquid and dry formulations greater than 4%	All uses; aquatic uses (all products cancelled).
Ethion	Ethion	Insecticide	Only two products	All uses
Ethylene dibromide	Ethylene dibromide	Fumigant	Technical chemical	Citrus, shipboard fumigation

COMMON NAME	TRADE NAME	TYPE	FORMULATIONS RESTRICTED	USE PATTERN
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
Fenitrothion	Sumithion 8E, Sumithion Concentrate	Insecticide	Emulsifiable concentrate, 93% soluble concentrate/ liquid	Only forestry uses
Fensulfothion	Dasanit	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	Miller's Mosquitocide 700	Insecticide	Emulsifiable concentrate	Mosquitocide
Fenvalerate	Pydrin, Asana	Insecticide	Emulsifiable concentrates (30%)	Outdoor uses
Flucythrinate	Pay Off, AASTAR	Insecticide	All formulations	Ag crop uses
Fluoroacetamide	1081	Rodenticide	95% concentrates for dilution into moist solid baits	Inside sewers
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
Hydrocyanic acid	Aero HCN	Fumigant	As sole active ingredient	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, many trade names	Insecticide	All formulations for various uses	Avocados, pecans, livestock sprays, forestry, Christmas trees, ornamentals, structural treatment, dog dusts/ shampoos.

COMMON NAME	TRADE NAME	TYPE	FORMULATIONS RESTRICTED	USE PATTERN
Magnesium phosphide	Fumi-cel, Magtoxin, Fumi-Cel, Mag-Disc, Rotox MT & MP, Phostoxin	Insecticide, fumigant	All formulations	All uses
Methamidophos	Monitor 4 or 6	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-Geta, Bonide Slug & Snail Killer, Bonide Cro-X, Hopkins Mesrepel, Miller's Slug & Snail Bait, others	Acaricide, insecticide, bird repellent	All formulations	Outdoor commercial and ag uses
Methomyl	Lannate, Nudrin, Lannabait	Insecticide	As sole active ingredient in 1% to 2.5% baits (except 1% fly bait), all concentrated solution formulations and 90% wettable powder formulations (not in water soluble bags)	Non-domestic outdoor ag crops, ornamentals and turf. All other registered uses.
Methyl bromide	Meth-o-gas, Terr-o-gas, Bro-mean, MBC, Brozone, Brom-O-Gas, Terr-O-Gas, 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, Phosdrin, others	Insecticide	All emulsifiable concentrates and liquid concentrates, 2% dust.	All uses
Monocrotophos	Azodrin, DPHMC 5, Chiles' Go-Better	Insecticide	Liquid formulations 19% and greater, liquid formulations 55% and greater	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

COMMON NAME	TRADE NAME	TYPE	FORMULATIONS RESTRICTED	USE PATTERN
Oxamyl	Vydate	Nematicide, Insecticide	Liquid formulations, granular on a case by case basis	All uses
Oxydemeton methyl	Metasystox-R, Metasystemox, Noculate 3, 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, Pennacap-M, others	Insecticide	All formulations	All uses
Pentachlorophenol	Penta, PCP, Timpreg, Dura-Treet, Pentacon, Osmoband, Osmose, Osmotox Plus, Chemtox, Pol-Grease, others	Wood preservative	All formulations	Wood preservative uses
Permethrin	Pounce, Ambush, Ketokil	Insecticide	All formulations	Ag crop uses (broadcast spray)
Phorate	Thimet, AAsstar, Rampart, Turaclor Super X, Teraclor	Insecticide	Liquid formulations 65% and greater. All granular formulations	All uses. Rice.
Phosacetim	Gophacide, Gopher-Trol	Rodenticide	Baits 0.1% and greater	All uses
Phosalone	Zolone	Insecticide	All formulations	All uses, except products packaged and labeled solely for use around the home.
Phosphamidon	Phosphamidon, Swat	Insecticide	Liquid formulations 75% and greater, dust formulations 1.5% and greater	All uses
Picloram	Tordon, Hi-Power,	Herbicide	All formulations and concentrations except Tordon 101R	All uses
Potassium pentachlorophenate	Permatox 180 or 182	Wood Preservative	All formulations	Wood preservative uses

COMMON NAME	TRADE NAME	TYPE	FORMULATIONS RESTRICTED	USE PATTERN
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
Sodium arsenate	Sodium arsenate, Osmosalts	Woodpreservative	All formulations except brush-on	Wood preservative uses
Sodium cyanide	M-44, cyanide,	Rodenticide	All capsules and bait formulations	All uses
Sodium dichromate	Wolman Salts CCA-Type A and B, Wood Preservative CCA-Type A	Wood preservative	All wood preservative formulations	All formulations except brush-on
Sodium fluoracetate	1080, Livestock Protection Collar,	Rodenticide	All solutions and dry baits	All uses
Sodium pentachlorophenate	Mitrol G-ST, Permatox, Chemtox, Dowicide, Moss Stop X, Lumberite, NO-MO-Stane, Napclor-G	Wood preservative	All formulations	Wood preservative uses
Sodium pyroarsenate	Wolman Salts CCA-Type B	Wood preservative	All formulations except brush-on	All wood preservative uses
Staricide	Gull Toxicant 98%	Bird repellant	98% concentrates	Bird repellent
Strychnine	Strychnine, many names.	Rodenticide	All dry baits, pellets and powder formulations	Various uses
Sulfotepp	Dithio, Platfume 103, Dithione, Tedion-Dithio	Insecticide	Sprays and smoke generators	All uses
Sulfuric acid	Sulfuric acid	Desiccant	Solution - ready to use	Desiccant for potato vines
Sulfuryl fluoride	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

COMMON NAME	TRADE NAME	TYPE	FORMULATIONS RESTRICTED	USE PATTERN
Tergitol	Compound PA-14	Bird control	Solution - ready to use	Single dose poison used in avian population control 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	Cotton-Tox, Micro-Tox, Tox-Guard, Hel-Tox, Stock-Tox, Agri-Tox, AATAC, Valco 42, Diptic, 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	All formulations except products packaged in 16 ounce or less spray cans and are labeled for use on outboard motors, propellers and other non-hull underwater aluminum components.	Antifouling paint. Barnacle and algae inhibitor on underwater hulls of ships.
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, Flo-Tin, 4-Tin, Supertin, Brestan (R), others	Fungicide	All formulations	All uses
Zinc phosphide	ZP-Gel, Ridall-Z, Phosphor-Grits, Ditrac ZP Tracking Powder, ZP Rodent Bait, many 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