



U.S. Environmental Protection Agency

Pesticides: Regulating Pesticides

Recent Additions | Contact Us | Print Version Search

EPA Home > Pesticides > Regulating Pesticides > International Issues > International Agreements > UN PIC & U.S. PIC-Nominated Pesticides List

Registration

Reregistration

Pesticide-Producing Establishments

Laws

International Issues

Adverse Effects Reporting

Storage & Disposal

Restricted / Canceled / Limited Uses

Pesticide Tolerances

Registration Information Sources

UN PIC & U.S. PIC-Nominated Pesticides List

Following is a list of 22 UN PIC pesticides, 4 UN Severely Hazardous Pesticide Formulations (SHPF), 6 UN PIC pesticides added during the interim period, and 36 additional U.S. actions reported, originally nominated for inclusion on the PIC list, and based on PIC definitions of the voluntary program. (Two of the six interim pesticides were included in the original U.S. list, bringing the total to 64.)

#	Pesticide	UN PIC List	Banned	Severely Restricted	SHPF
1	<i>aldrin</i>	x	x	no	no
2	arsenic trioxide	no	no	x	no
3	<i>asbestos all forms (Interim)</i>	x	x	no	no
4	<i>benzene hexachloride[BHC]</i>	x	x	no	no
5	<i>binapacryl (Interim)</i>	no	x	no	no
6	2,3,4,5-Bis(2-butylene)tetrahydro-2-furaldehyde [Repellent-11]	no	x	no	no
7	bromoxynil butyrate	no	x	no	no
8	cadmium compounds	no	x	no	no
9	calcium arsenate	no	x	no	no
10	<i>captafol</i>	x	x	no	no
11	carbofuran (granular only)	no	no	x	no
12	carbon tetrachloride	no	x	no	no
13	chloranil	no	x	no	no
14	<i>chlordane</i>	x	x	no	no
15	chlordecone (kepone)	no	x	no	no
16	<i>chlordimeform</i>	x	x	no	no
17	<i>chlorobenzilate</i>	x	x	no	no
18	chloromethoxypropylmercuric acetate [CPMA]	no	x	no	no
19	copper arsenate	no	x	no	no
20	daminozide/alar	no	no	x	no
21	DBCP	no	x	no	no
22	<i>DDT</i>	x	x	no	no
23	<i>dieldrin</i>	x	x	no	
24	<i>dinoseb</i> and salts	x	x	no	no
25	Di(phenylmercury)dodeceny succinate [PMDS]	no	x	no	no
26	<i>DNOC (Interim)</i>	x	x	no	no
27	<i>1,2-dibromoethane ethylene dibromide - EDB</i>	x	x	no	no
28	<i>ethylene dichloride (EDC) (Interim)</i>	no	x	no	no
29	<i>ethylene oxide (ETO) (Interim) agricultural uses only</i>	no	no	x	no
30	endrin	no	x	no	no
31	EPN	no	x	no	no
32	ethyl hexyleneglycol [6-12]	no	x	no	no
33	<i>fluoroacetamide</i>	x	x	no	no

34	heptachlor	x	no	x	no
35	hexachlorobenzene [HCB]	x	x	no	no
36	lead arsenate	no	x	no	no
37	leptophos	no	x	no	no
38	lindane	x	no	x	no
39	mercury compounds (mercurous chloride and mercuric chloride)	x	x	no	no
40	methamidophos	x	no	no	x
41	methyl parathion	x	no	no	x
42	mevinphos	no	x	no	no
43	mirex	no	x	no	no
44	monocrotophos	x	x	no	no
45	nitrofen (TOK)	no	x	no	no
46	OMPA (octamethylpyrophosphoramidate)	no	x	no	no
47	parathion (ethyl)	x	no	no	x
48	pentachlorophenol	x	no	x	no
49	phenylmercury acetate [PMA]	no	x	no	no
50	phenylmercuric oleate [PMO]	no	x	no	x
51	phosphamidon	x	no	no	no
52	potassium 2,4,5-trichlorophenate [2,4,5-TCP]	no	x	no	no
53	pyriminil [Vacor]	no	x	no	no
54	safrole	no	x	no	no
55	silvex	no	x	no	no
56	sodium arsenate	no	no	x	no
57	sodium arsenite	no	x	no	no
58	TDE	no	x	no	no
59	Terpene polychlorinates [Strobane]	no	x	no	no
60	thallium sulfate	no	x	no	no
61	toxaphene (chlorinated camphene) (Interim)	x	x	no	no
62	tributyltin compounds	no	no	x	no
63	2,4,5-Trichlorophenoxyacetic acid [2,4,5-T]	x	x	no	no
64	vinyl chloride	no	x	no	no

* Pentachlorophenol is still registered for use in the U.S. as a wood preservative.

[Publications](#) | [Glossary](#) | [A-Z Index](#) | [Jobs](#)

[EPA Home](#) | [Privacy and Security Notice](#) | [Contact Us](#)

Last updated on Friday, April 11th, 2003
 URL: <http://www.epa.gov/oppfead1/international/piclist.htm>



10th Report on Carcinogens

U.S. Department of Health and Human Services

Public Health Service

National Toxicology Program

Pursuant to Section 301(b) (4) of the Public Health Service Act as Amended by Section 262, PL 95-622

[[Table of Contents](#)] [[File Viewers](#)] [[Search](#)] [[Order Online: Hard Copy & CD -or - CD Only](#)] [[Order by Fax](#)]

Official Citation: Report on Carcinogens, Tenth Edition; U.S. Department of Health and Human Services, Public Health Service, National Toxicology Program, December 2002.



The Tenth Report on Carcinogens is available in Adobe Acrobat format (.pdf). The free Adobe Acrobat Reader (version 5.0 or better) is required to view these documents. If you do not have a copy of the Reader, you may [download it from Adobe](#). When downloading the software from Adobe's site, please be sure to select the version of Acrobat Reader with search. This will allow you to search for individual PDF files. (NOTE: An online search of the full text of the report is available [below](#).)

Search the 10th Report:

| [Help](#) | [Advanced](#)

Table of Contents

I. [Introduction](#)

II. [Carcinogens Listed in the Tenth Report](#)

- A. [Known to be Human Carcinogens](#)
- B. [Reasonably Anticipated to be Human Carcinogens](#)

III. [Substance Profiles](#)

- [Acetaldehyde](#)
- [2-Acetylaminofluorene](#)
- [Acrylamide](#)
- [Acrylonitrile](#)
- [Adriamycin® \(Doxorubicin Hydrochloride\)](#)
- [Aflatoxins](#)
- [Alcoholic Beverage Consumption](#)
- [2-Aminoanthraquinone](#)

Section 2:

o-Aminoazotoluene
4-Aminobiphenyl
1-Amino-2-methylantraquinone
2-Amino-3-methylimidazo[4,5-f]quinoline
Amitrole
o-Anisidine Hydrochloride
Arsenic Compounds, Inorganic
Asbestos
Azacitidine
Azathioprine
Benzene
Benzidine and Dyes Metabolized to Benzidine
 Benzidine
 Dyes Metabolized to Benzidine
Benzotrichloride
Beryllium and Beryllium Compounds
Bromodichloromethane
2,2-bis(Bromoethyl)-1,3-propanediol (Technical Grade)
1,3-Butadiene
1,4-Butanediol Dimethylsulfonate (Myleran[®])
Butylated Hydroxyanisole (BHA)
Cadmium and Cadmium Compounds
Carbon Tetrachloride
Ceramic Fibers (Respirable Size)
Chlorambucil
Chloramphenicol
Chlorendic Acid
Chlorinated Paraffins (C₁₂, 60% Chlorine)
1-(2-Chloroethyl)-3-cyclohexyl-1-nitrosourea
1-(2-Chloroethyl)-3-(4-methylcyclohexyl)-1-nitrosourea (MeCCNU)
bis(Chloroethyl) nitrosourea
Chloroform
bis(Chloromethyl) Ether and Technical-Grade Chloromethyl Methyl Ether
3-Chloro-2-methylpropene
4-Chloro-o-phenylenediamine
Chloroprene
p-Chloro-o-toluidine and p-Chloro-o-toluidine Hydrochloride
Chlorozotocin
Chromium Hexavalent Compounds
C.I. Basic Red 9 Monohydrochloride
Cisplatin
Coal Tars and Coal Tar Pitches
Coke Oven Emissions
p-Cresidine
Cupferron
Cyclophosphamide
Cyclosporin A
Dacarbazine
Danthron (1,8-Dihydroxyanthraquinone)
2,4-Diaminoanisoole Sulfate
2,4-Diaminotoluene
1,2-Dibromo-3-chloropropane
1,2-Dibromoethane (Ethylene Dibromide)
2,3-Dibromo-1-propanol
tris(2,3-Dibromopropyl) Phosphate
1,4-Dichlorobenzene
3,3'-Dichlorobenzidine and 3,3'-Dichlorobenzidine Dihydrochloride
Dichlorodiphenyltrichloroethane: (DDT)
1,2-Dichloroethane (Ethylene Dichloride)
Dichloromethane (Methylene Chloride)
1,3-Dichloropropene (Technical Grade)
Diepoxybutane
Diesel Exhaust Particulates
Diethyl Sulfate

Diethylstilbestrol
Diglycidyl Resorcinol Ether
3,3'-Dimethoxybenzidine and Dyes Metabolized to 3,3'-Dimethoxybenzidine
 3,3'-Dimethoxybenzidine
 Dyes Metabolized to 3,3'-Dimethoxybenzidine
4-Dimethylaminoazobenzene
3,3'-Dimethylbenzidine and Dyes Metabolized to 3,3'-Dimethylbenzidine
 3,3'-Dimethylbenzidine
 Dyes Metabolized to 3,3'-Dimethylbenzidine
Dimethylcarbamoyl Chloride
1,1-Dimethylhydrazine
Dimethyl Sulfate
Dimethylvinyl Chloride
1,4-Dioxane
Disperse Blue 1
Epichlorohydrin
Erionite
Estrogens, Steroidal
Ethylene Oxide
Ethylene Thiourea
di(2-Ethylhexyl) Phthalate
Ethyl Methanesulfonate
Formaldehyde (Gas)
Furan
Glasswool (Respirable Size)
Glycidol
Hexachlorobenzene
Hexachloroethane
Hexamethylphosphoramide
Hydrazine and Hydrazine Sulfate
Hydrazobenzene
Iron Dextran Complex
Isoprene
Kepone® (Chlordecone)
Lead Acetate and Lead Phosphate
Lindane and Other Hexachlorocyclohexane Isomers
Melphalan
Methoxsalen with Ultraviolet A Therapy (PUVA)
2-Methylaziridine (Propylenimine)
4,4'-Methylenebis(2-chloroaniline)
4,4'-Methylenebis(N,N-dimethyl)benzenamine
4,4'-Methylenedianiline and its Dihydrochloride Salt
Methyleugenol
Methyl Methanesulfonate
N-Methyl-N'-nitro-N-nitrosoguanidine
Metronidazole
Michler's Ketone (4,4'-(Dimethylamino)benzophenone)
Mineral Oils (Untreated and Mildly Treated)
Mirex
Mustard Gas
2-Naphthylamine
Nickel Compounds and Metallic Nickel
 Nickel Compounds
 Metallic Nickel
Nitrilotriacetic Acid
o-Nitroanisole
Nitroarenes (selected)
 1,6-Dinitropyrene
 1,8-Dinitropyrene
 6-Nitrochrysene
 1-Nitropyrene
 4-Nitropyrene
Nitrofen (2,4-Dichlorophenyl-p-nitrophenyl ether)
Nitrogen Mustard Hydrochloride

2-Nitropropane
N-Nitrosodi-*n*-butylamine
N-Nitrosodiethanolamine
N-Nitrosodiethylamine
N-Nitrosodimethylamine
N-Nitrosodi-*n*-propylamine
N-Nitroso-*N*-ethylurea
4-(*N*-Nitrosomethylamino)-1-(3-pyridyl)-1-butanone
N-Nitroso-*N*-methylurea
N-Nitrosomethylvinylamine
N-Nitrosomorpholine
N-Nitrosornicotine
N-Nitrosopiperidine
N-Nitrosopyrrolidine
N-Nitrososarcosine
Norethisterone
Ochratoxin A
4,4'-Oxydianiline
Oxymetholone
Phenacetin and Analgesic Mixtures Containing Phenacetin
Phenacetin
Analgesic Mixtures Containing Phenacetin
Phenazopyridine Hydrochloride
Phenolphthalein
Phenoxybenzamine Hydrochloride
Phenytoin
Polybrominated Biphenyls (PBBs)
Polychlorinated Biphenyls (PCBs)
Polycyclic Aromatic Hydrocarbons, 15 Listings
Benz[*a*]anthracene
Benzo[*b*]fluoranthene
Benzo[*j*]fluoranthene
Benzo[*k*]fluoranthene
Benzo[*a*]pyrene
Dibenz[*a,h*]acridine
Dibenz[*a,l*]acridine
Dibenz[*a,h*]anthracene
7*H*-Dibenzo[*c,g*]carbazole
Dibenzo[*a,e*]pyrene
Dibenzo[*a,h*]pyrene
Dibenzo[*a,l*]pyrene
Dibenzo[*a,i*]pyrene
Indeno[1,2,3-*cd*]pyrene
5-Methylchrysene
Procarbazine Hydrochloride
Progesterone
1,3-Propane Sultone
β-Propiolactone
Propylene Oxide
Propylthiouracil
Radon
Reserpine
Safrole
Selenium Sulfide
Silica, Crystalline (Respirable Size)
Soots
Streptozotocin
Strong Inorganic Acid Mists Containing Sulfuric Acid
Styrene-7,8-oxide
Sulfallate
Tamoxifen
2,3,7,8-Tetrachlorodibenzo-*p*-dioxin (TCDD); "Dioxin"
Tetrachloroethylene (Perchloroethylene)
Tetrafluoroethylene

Tetranitromethane
Thioacetamide
Thiotepa
Thiourea
Thorium Dioxide
Tobacco Related Exposures
 Environmental Tobacco Smoke
 Smokeless Tobacco
 Tobacco Smoking
Toluene Diisocyanate
o-Toluidine and o-Toluidine Hydrochloride
Toxaphene
Trichloroethylene
2,4,6-Trichlorophenol
1,2,3-Trichloropropane
Ultraviolet Radiation Related Exposures
 Broad-Spectrum Ultraviolet (UV) Radiation
 Solar Radiation
 Sunlamps or Sunbeds, Exposure to
 Ultraviolet A Radiation
 Ultraviolet B Radiation
 Ultraviolet C Radiation
Urethane
Vinyl Bromide
Vinyl Chloride
4-Vinyl-1-cyclohexene Diepoxide
Vinyl Fluoride
Wood Dust

IV. Tables

Table 1. Chemicals Nominated to the NTP for In-Depth Toxicological Evaluation or Carcinogenesis Testing 1988-2001

Table 2. CDC/NIOSH Response to Inquiries about Carcinogens Listed in the *Tenth Report on Carcinogens*

V. Report on Carcinogens Listing/Delisting Procedures

Appendices

A. Manufacturing Processes, Occupations, and Exposure Circumstances Classified by IARC as Category 1: *Carcinogenic to Humans*

B. Agents, Substances, Mixtures, or Exposure Circumstances Delisted from the Report on Carcinogens

C. Agents, Substances, Mixtures, or Exposure Circumstances Reviewed but not Recommended for Listing in the Report on Carcinogens

D. List of Participants

E. Glossary

F. Acronyms and Abbreviations

G. Units of Measurement

H. CAS Registry Number Index

Carcinogens Listed in the Tenth Report

Part A. Known to be a Human Carcinogen.

Name or synonym	Page
Aflatoxins	8
Alcoholic Beverage Consumption	10
4-Aminobiphenyl	13
Analgesic Mixtures Containing Phenacetin (See Phenacetin and Analgesic Mixtures Containing Phenacetin)	194
Arsenic Compounds, Inorganic	17
Asbestos	19
Azathioprine	23
Benzene	24
Benzidine (See Benzidine and Dyes Metabolized to Benzidine)	26
Beryllium and Beryllium Compounds	31
1,3-Butadiene	36
1,4-Butanediol Dimethylsulfonate (Myleran®)	39
Cadmium and Cadmium Compounds	42
Chlorambucil	47
1-(2-Chloroethyl)-3-(4-methylcyclohexyl)-1-nitrosourea (MeCCNU)	53
bis(Chloromethyl) Ether and Technical-Grade Chloromethyl Methyl Ether	56
Chromium Hexavalent Compounds	63
Coal Tar Pitches (See Coal Tars and Coal Tar Pitches)	68
Coal Tars (See Coal Tars and Coal Tar Pitches)	68
Coke Oven Emissions	70
Cyclophosphamide	73
Cyclosporin A (Ciclosporin)	74
Diethylstilbestrol	97
Dyes Metabolized to Benzidine (See Benzidine and Dyes Metabolized to Benzidine)	28
Environmental Tobacco Smoke (See Tobacco Related Exposures)	234
Erionite	114
Estrogens, Steroidal	116
Ethylene Oxide	119
Melphalan	147
Methoxsalen with Ultraviolet A Therapy (PUVA)	148
Mineral Oils (Untreated and Mildly Treated)	158
Mustard Gas	160
2-Naphthylamine	161
Nickel Compounds (See Metallic Nickel and Nickel Compounds)	162
Radon	210
Silica, Crystalline (Respirable Size)	215
Smokeless Tobacco (See Tobacco Related Exposures)	236
Solar Radiation (See Ultraviolet Radiation Related Exposures)	250
Soots	216
Strong Inorganic Acid Mists Containing Sulfuric Acid	218
Sunlamps or Sunbeds, Exposure to (See Ultraviolet Radiation Related Exposures)	250
Tamoxifen	223
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD); "Dioxin"	224
Thiotepa	231
Thorium Dioxide	233
Tobacco Smoking (See Tobacco Related Exposures)	238
Vinyl Chloride	257
Ultraviolet Radiation, Broad Spectrum UV Radiation (See Ultraviolet Radiation Related Exposures)	250
Wood Dust	260

Bold entries indicate new or changed listing in *The Report on Carcinogens, Tenth Edition*.

REPORT ON CARCINOGENS, TENTH EDITION

Department of Health and Human Services
Report on Carcinogens

CARCINOGENS LISTED IN THE TENTH REPORT

Part B. Reasonably Anticipated to be a Human Carcinogen.

Name or synonym	Page
Acetaldehyde	1
2-Acetylaminofluorene	3
Acrylamide	4
Acrylonitrile	6
Adriamycin® (Doxorubicin Hydrochloride)	8
2-Aminoanthraquinone	11
<i>o</i> -Aminoazotoluene	12
1-Amino-2-methylantraquinone	14
2-Amino-3-methylimidazo(4,5-f)quinoline (M)	15
Amitrole	15
<i>o</i> -Anisidine Hydrochloride	16
Azacitidine (5-Azacytidine®, 5-AzaC)	22
Benz(a)anthracene (See Polycyclic Aromatic Hydrocarbons)	201
Benz(b)fluoranthene (See Polycyclic Aromatic Hydrocarbons)	201
Benz(k)fluoranthene (See Polycyclic Aromatic Hydrocarbons)	201
Benz(m)fluoranthene (See Polycyclic Aromatic Hydrocarbons)	201
Benz(a)pyrene (See Polycyclic Aromatic Hydrocarbons)	201
Benzotrichloride	30
Bromodichloromethane	34
2,2-bis-(Bromoethyl)-1,3-propanediol (Technical Grade)	35
Butylated Hydroxyanisole (BHA)	40
Carbon Tetrachloride	44
Ceramic Fibers (Respirable Size)	46
Chloramphenicol	48
Chlorendic Acid	50
Chlorinated Paraffins (C ₁₂ , 60% Chlorine)	51
1-(2-Chloroethyl)-3-cyclohexyl-1-nitrosourea	52
bis(Chloroethyl) nitrosourea	54
Chloroform	54
3-Chloro-2-methylpropene	57
4-Chloro- <i>o</i> -phenylenediamine	59
Chloroprene	59
<i>p</i> -Chloro- <i>o</i> -toluidine and <i>p</i> -Chloro- <i>o</i> -toluidine Hydrochloride (See <i>p</i> -Chloro- <i>o</i> -toluidine and <i>p</i> -Chloro- <i>o</i> -toluidine Hydrochloride)	61
Chlorzotacin	63
C.I. Basic Red 9 Monohydrochloride	66
Cisplatin	67
<i>p</i> -Cresidine	71
Cupferron	72
Dacarbazine	75
Danthron (1,8-Dihydroxyanthraquinone)	76
2,4-Diaminoanisole Sulfate	77
2,4-Diaminotoluene	78
Dibenz(a,h)acridine (See Polycyclic Aromatic Hydrocarbons)	201
Dibenz(a,i)acridine (See Polycyclic Aromatic Hydrocarbons)	201
Dibenz(a,h)anthracene (See Polycyclic Aromatic Hydrocarbons)	201
7H-Dibenzo(c,g)carbazole (See Polycyclic Aromatic Hydrocarbons)	201
Dibenzo(a,e)pyrene (See Polycyclic Aromatic Hydrocarbons)	201
Dibenzo(a,h)pyrene (See Polycyclic Aromatic Hydrocarbons)	201
Dibenzo(a,i)pyrene (See Polycyclic Aromatic Hydrocarbons)	201
Dibenzo(a,j)pyrene (See Polycyclic Aromatic Hydrocarbons)	201
1,2-Dibromo-3-chloropropane	79
1,2-Dibromoethane (Ethylene Dibromide)	81
2,3-Dibromo-1-propanol	82
tris(2,3-Dibromopropyl) Phosphate	83
1,4-Dichlorobenzene	84
3,3'-Dichlorobenzidine and 3,3'-Dichlorobenzidine Dihydrochloride (See 3,3'-Dichlorobenzidine and 3,3'-Dichlorobenzidine Dihydrochloride)	85
Dichlorodiphenyltrichloroethane (DDT)	87
1,2-Dichloroethane (Ethylene Dichloride)	88
Dichloromethane (Methylene Chloride)	90
1,3-Dichloropropene (Technical Grade)	91
Diepoxybutane	93
Diesel Exhaust Particulates	94
Diethyl Sulfate	96
Diglycidyl Resorcinol Ether	99
3,3'-Dimethoxybenzidine (See 3,3'-Dimethoxybenzidine and Dyes Metabolized to 3,3'-Dimethoxybenzidine)	100
4-Dimethylaminoazobenzene	103
3,3'-Dimethylbenzidine (See 3,3'-Dimethylbenzidine and Dyes Metabolized to 3,3'-Dimethylbenzidine)	104
Dimethylcarbamoyl Chloride	106
1,1-Dimethylhydrazine	107
Dimethyl Sulfate	108

(Continued)

REPORT ON CARCINOGENS, TENTH EDITION

Department of Health and Human Services
 Report on Carcinogens, 10th Annual Report

Part B. Reasonably Anticipated to be a Human Carcinogen. (Continued)

Name or synonym	Page
Dimethylvinyl Chloride	109
1,6-Dinitropyrene (See Nitroarenes (selected))	168
1,8-Dinitropyrene (See Nitroarenes (selected))	169
1,4-Dioxane	110
Disperse Blue 1	112
Dyes Metabolized to 3,3'-Dimethoxybenzidine (See 3,3'-Dimethoxybenzidine and Dyes Metabolized to 3,3'-Dimethoxybenzidine)	101
Dyes Metabolized to 3,3'-Dimethylbenzidine (See 3,3'-Dimethylbenzidine and Dyes Metabolized to 3,3'-Dimethylbenzidine)	105
Epichlorohydrin	113
Ethylene Thiourea	124
di(2-Ethylhexyl) Phthalate	125
Ethyl Methanesulfonate	127
Formaldehyde (Gas)	128
Furan	130
Glasswool (Respirable Size)	131
Glycidol	133
Hexachlorobenzene	134
Hexachlorocyclohexane Isomers	145
Hexachloroethane	135
Hexamethylphosphoramide	137
Hydrazine and Hydrazine Sulfate (See Hydrazine and Hydrazine Sulfate)	138
Hydrazobenzene	139
Indeno[1,2,3- <i>cd</i>]pyrene (See Polycyclic Aromatic Hydrocarbons)	201
Iron Dextran Complex	140
Isoprene	141
Kepone® (Chlordecone)	143
Lead Acetate (See Lead Acetate and Lead Phosphate)	144
Lead Phosphate (See Lead Acetate and Lead Phosphate)	144
Lindane and Other Hexachlorocyclohexane Isomers	145
2-Methylaziridine (Propylenimine)	148
5-Methylchrysene (See Polycyclic Aromatic Hydrocarbons)	201
4,4'-Methylenebis[2-chloroaniline]	149
4,4'-Methylenebis(<i>N,N</i> -dimethyl)benzenamine	151
4,4'-Methylenedianiline and 4,4'-Methylenedianiline Dihydrochloride (See 4,4'-Methylenedianiline and its Dihydrochloride Salt)	152
Methylenebisol	153
Methyl Methanesulfonate	154
<i>N</i> -Methyl- <i>N</i> -nitro- <i>N</i> -nitrosoguanidine	155
Metronidazole	156
Michler's Ketone [4,4'-(Dimethylamino)benzophenone]	157
Mirex	159
Nickel (Metallic) (See Nickel and Nickel Compounds)	162
Nitrotriacetic Acid	165
<i>o</i> -Nitroanisole	166
6-Nitrochrysene (See Nitroarenes (selected))	169
Nitrofen (2,4-Dichlorophenyl- <i>p</i> -nitrophenyl ether)	172
Nitrogen Mustard Hydrochloride	173
2-Nitropropane	174
1-Nitropyrene (See Nitroarenes (selected))	170
4-Nitropyrene (See Nitroarenes (selected))	171
<i>N,N</i> -Nitrosodi- <i>n</i> -butylamine	175
<i>N,N</i> -Nitrosodiethanolamine	176
<i>N,N</i> -Nitrosodiethylamine	177
<i>N,N</i> -Nitrosodimethylamine	179
<i>N,N</i> -Nitrosodi- <i>n</i> -propylamine	180
<i>N,N</i> -Nitroso- <i>N</i> -ethylurea	181
4-(<i>N,N</i> -Nitrosomethylamino)-1-(3-pyridyl)-1-butanone	182
<i>N,N</i> -Nitroso- <i>N</i> -methylurea	183
<i>N,N</i> -Nitrosomethylvinylamine	184
<i>N,N</i> -Nitrosomorpholine	185
<i>N,N</i> -Nitrosonomicotine	185
<i>N,N</i> -Nitrosopiperidine	186
<i>N,N</i> -Nitrosopyrrolidine	187
<i>N,N</i> -Nitrososarcosine	188
Norethisterone	189
Ochratoxin A	189
4,4'-Oxydianiline	190
Oxymetholone	191
Phenacetin (See Phenacetin and Analgesic Mixtures Containing Phenacetin)	193
Phenazopyridine Hydrochloride	194
Phenolphthalein	195
Phenoxybenzamine Hydrochloride	197

(Continued)

CARCINOGENS LISTED IN THE TENTH REPORT

Part B. Reasonably Anticipated to be a Human Carcinogen. (Continued)

Name or synonym	Page
Phenytoin	198
Polybrominated Biphenyls (PBBs)	199
Polychlorinated Biphenyls (PCBs)	200
Polycyclic Aromatic Hydrocarbons (PAHs)	201
Procarbazine Hydrochloride	204
Progesterone	205
1,3-Propane Sultone	207
β -Propiolactone	207
Propylene Oxide	208
Propylthiouracil	210
Reserpine	212
Safrole	213
Selenium Sulfide	214
Streptozotocin	217
Styrene-7,8-oxide	220
Sulfalate	222
Tetrachloroethylene (Perchloroethylene)	226
Tetrafluoroethylene	228
Tetranitromethane	229
Thioacetamide	230
Thiourea	232
Toluene Diiisocyanate	240
<i>o</i> -Toluidine and <i>o</i> -Toluidine Hydrochloride(See <i>o</i> -Toluidine and <i>o</i> -Toluidine Hydrochloride)	242
Toxaphene	243
Trichloroethylene	244
2,4,6-Trichlorophenol	247
1,2,3-Trichloropropane	248
Ultraviolet A Radiation (See Ultraviolet Radiation Related Exposure)	250
Ultraviolet B Radiation (See Ultraviolet Radiation Related Exposure)	250
Ultraviolet C Radiation (See Ultraviolet Radiation Related Exposure)	250
Urethane	254
Vinyl Bromide	256
4-Vinyl-1-cyclohexene Diepoxide	258
Vinyl Fluoride	259

Bold entries indicate new or changed listing in *The Report on Carcinogens, Tenth Edition*

- Search
- Newsletter
- Core Manual
- Pesticide Training
- Training Manuals
- Pesticide Bookmarks
- Cockroach Manual
- Termite Handbook
- Guestbook
- Feedback



Pesticide Education Resources
University of Nebraska-Lincoln

Herbicide Name List

COMMON AND CHEMICAL NAMES OF HERBICIDES APPROVED BY THE WEED SCIENCE SOCIETY OF AMERICA

A | B | C | D | E | F | G | H | I | J | K | L | M
N | O | P | Q | R | S | T | U | V | W | X | Y | Z

Common Name	Chemical Name
acetochlor	2-chloro- <u>N</u> -(ethoxymethyl)- <u>N</u> -(2-ethyl-6-methylphenyl)acetamide
acifluorfen	5-[2-chloro-4-(trifluoromethyl)phenoxy]-2-nitrobenzoic acid
acrolein	2-propenal
alachlor	2-chloro- <u>N</u> -(2,6-diethylphenyl)- <u>N</u> -(methoxymethyl)acetamide
allyl alcohol	2-propen-1-ol
ametryn	<u>N</u> -ethyl- <u>N'</u> -(1-methylethyl)-6-(methylthio)-1,3,5-triazine-2,4-diamine
amitrole	1 <u>H</u> -1,2,4-triazol-3-amine
AMS	ammonium sulfamate
arsenic acid	arsenic acid
asulam	methyl[(4-aminophenyl)sulfonyl]carbamate
atraton	<u>N</u> -ethyl-6-methoxy- <u>N'</u> -(1-methylethyl)-1,3,5-triazine-2,4-diamine
atrazine	6-chloro- <u>N</u> -ethyl- <u>N'</u> -(1-methylethyl)-1,3,5-triazine-2,4-diamine
azimsulfuron	<u>N</u> -[[[(4,6-dimethoxy-2-pyrimidinyl)amino]carbonyl]-1-methyl-4-(2-methyl-2 <u>H</u> -tetrazol-5-yl) -1 <u>H</u> -pyrazole-5-sulfonamide
barban	4-chloro-2-butynyl 3-chlorophenylcarbamate
BCPC	1-methylpropyl 3-chlorophenylcarbamate
benazolin	4-chloro-2-oxo-3(2 <u>H</u>)-benzothiazoleacetic acid

benefin	<u>N</u> -butyl- <u>N</u> -ethyl-2,6-dinitro-4-(trifluoromethyl)benzenamine
bensulfuron	2-[[[[[(4,6-dimethoxy-2-pyrimidinyl)amino]carbonyl]amino]sulfonyl]methyl]benzoic acid
bensulide	<u>O</u> , <u>O</u> -bis(1-methylethyl) <u>S</u> -[2-[(phenylsulfonyl)amino]ethyl]phosphorodithioate
bentazon	3-(1-methylethyl)-(1 <u>H</u>)-2,1,3-benzothiadiazin-4(3 <u>H</u>)-one 2,2-dioxide
benzadox	[(benzoylamino)oxy]acetic acid
benzipram	3,5-dimethyl- <u>N</u> -(1-methylethyl)- <u>N</u> -(phenylmethyl)benzamide
benzofluor	<u>N</u> -[4-(ethylthio)-2-(trifluoromethyl)phenyl]methanesulfonamide
benzoylprop	<u>N</u> -benzoyl- <u>N</u> -(3,4-dichlorophenyl)- <u>DL</u> -alanine
benzthiazuron	<u>N</u> -2-benzothiazolyl- <u>N'</u> -methylurea
bifenox	methyl 5-(2,4-dichlorophenoxy)-2-nitrobenzoate
borax	sodium tetraborate
bromacil	5-bromo-6-methyl-3-(1-methylpropyl)-2,4(1 <u>H</u> , 3 <u>H</u>)pyrimidinedione
bromofenoxim	3,5-dibromo-4-hydroxybenzaldehyde <u>O</u> -(2,4-dinitrophenyl)oxime
bromoxynil	3,5-dibromo-4-hydroxybenzonitrile
butachlor	<u>N</u> -(butoxymethyl)-2-chloro- <u>N</u> -(2,6-diethylphenyl)acetamide
butam	2,2-dimethyl- <u>N</u> -(1-methylethyl)- <u>N</u> -(phenylmethyl)propanamide
butamifos	<u>O</u> -ethyl <u>O</u> -(5-methyl-2-nitrophenyl) 1-methylpropylphosphoramidothioate
buthidazole	3-[5-(1,1-dimethylethyl)-1,3,4-thiadiazol-2-yl]-4-hydroxy-1-methyl-2-imidazolidinone
butralin	4-(1,1-dimethylethyl)- <u>N</u> -(1-methylpropyl)-2,6-dinitrobenzenamine
buturon	<u>N'</u> -(4-chlorophenyl)- <u>N</u> -methyl- <u>N</u> -(1-methyl-2-propynyl)urea
butylate	<u>S</u> -ethyl bis(2-methylpropyl)carbamoithioate
cacodylic acid	dimethyl arsenic acid
cambendichlor	(phenylimino)di-2,1-ethanediyl bis(3,6-dichloro-2-methoxybenzoate)
carbetamide	<u>N</u> -ethyl-2-[[[(phenylamino)carbonyl]oxy]propanamide (R)-isomer
CDA	2-chloro- <u>N,N</u> -di-2-propenylacetamide
CDEA	2-chloro- <u>N,N</u> -diethylacetamide
CDEC	2-chloro-2-propenyl diethylcarbomodithioate
CEPC	2-chloroethyl (3-chlorophenyl)carbamate
chloramben	3-amino-2,5-dichlorobenzoic acid
chlorazine	6-chloro- <u>N,N,N',N'</u> -tetraethyl-1,3,5-triazine-2,4-diamine
chlorbromuron	<u>N'</u> -(4-bromo-3-chlorophenyl)- <u>N</u> -methoxy- <u>N</u> -methylurea
chlorbufam	1-methyl-2-propynyl (3-chlorophenyl)carbamate
chlorflurenol	2-chloro-9-hydroxy-9 <u>H</u> -fluorene-9-carboxylic acid
chlorimuron	2-[[[[[(4-chloro-6-methoxy-2-pyrimidinyl)amino]carbonyl]amino]sulfonyl]benzoic acid
chloroxuron	<u>N'</u> -[4-(4-chlorophenoxy)phenyl]- <u>N,N</u> -dimethylurea

chlorpropham	1-methylethyl 3-chlorophenylcarbamate
chlorsulfuron	2-chloro- <u>N</u> -[[[(4-methoxy-6-methyl-1,3,5-triazin-2-yl)amino]carbonyl]benzenesulfonamide
chlorthiamid	2,6-dichlorobenzenecarbothiamide
chlortoluron	<u>N'</u> -(3-chloro-4-methylphenyl)- <u>N,N</u> -dimethylurea
cinmethylin	<u>exo</u> -(1-methyl-4-(1-methylethyl)-2-[(2-methylphenyl)methoxy]-7-oxabicyclo[2.2.1]heptane
cisanilide	<u>cis</u> -2,5-dimethyl- <u>N</u> -phenyl-1-pyrrolidinecarboxamide
clethodim	(<u>E,E</u>)-0-2-[1-[[[(3-chloro-2-propenyl)oxy]imino]propyl]-5-[2-(ethylthio)propyl]-3-hydroxy-2-cyclohexen-1-one
clofop	2-[4-(4-chlorophenoxy)phenoxy]propanoic acid
clomazone	2-[(2-chlorophenyl)methyl]-4,4-dimethyl-3-isoxazolidinone
cloproxydim	(<u>E,E</u>)-2-[1-[[[(3-chloro-2-propenyl)oxy]imino]butyl]-5-[2-(ethylthio)propyl]-3-hydroxy-2-cyclohexen-1-one
clopyralid	3,6-dichloro-2-pyridinecarboxylic acid
CMA	calcium salt of MAA
copper sulfate	copper sulfate
4-CPA	(4-chlorophenoxy)acetic acid
4-CPB	4-(4-chlorophenoxy)butyric acid
CPMF	1-chloro- <u>N'</u> -(3,4-dichlorophenyl)- <u>N,N</u> -dimethylformamidine
4-CPP	2-(4-chlorophenoxy)propionic acid
CPPC	2-chloro-1-methylethyl (3-chlorophenyl)carbamate
cyanazine	2-[[4-chloro-6-(ethylamino)-1,3,5-triazin-2-yl]amino]-2-methylpropanenitrile
cycloate	<u>S</u> -ethyl cyclohexylethylcarbamothioate
cyclosulfamuron	<u>N</u> -[[[2-(cyclopropylcarbonyl)phenyl]amino]sulfonyl]- <u>N'</u> -(4,6-dimethoxy-2-pyrimidinyl)urea
cycluron	<u>N'</u> -cyclooctyl- <u>N,N</u> -dimethylurea
cyhalofop	(<u>R</u>)-2-[4-(4-cyano-2-fluorophenoxy)phenoxy]propanoic acid
cyperquat	1-methyl-4-phenylpyridinium
cyprazine	6-chloro- <u>N</u> -cyclopropyl- <u>N'</u> -(1-methylethyl)-1,3,5-triazine-2,4-diamine
cyprazole	<u>N</u> -[5-(2-chloro-1,1-dimethylethyl)-1,3,4-thiadiazol-2-yl]cyclopropanecarboxamide
cypromid	<u>N</u> -(3,4-dichlorophenyl)cyclopropanecarboxamide



TOP

2,4-D	(2,4-dichlorophenoxy)acetic acid
3,4-DA	(3,4-dichlorophenoxy)acetic acid
dalapon	2,2-dichloropropanoic acid
dazomet	tetrahydro-3,5-dimethyl-2H-1,3,5-thiadiazine-2-thione
2,4-DB	4-(2,4-dichlorophenoxy)butanoic acid
3,4-DB	4-(3,4-dichlorophenoxy)butanoic acid
DCB	1,2-dichlorobenzene
D CPA	dimethyl 2,3,5,6-tetrachloro-1,4-benzenedicarboxylate
DCU	<u>N,N'</u> -bis(2,2,2-trichloro-1-hydroxyethyl)urea
2,4-DEB	2-(2,4-dichlorophenoxy)ethyl benzoate
delachlor	2-chloro- <u>N</u> -(2,6-dimethylphenyl)- <u>N</u> -[(2-methylpropoxy)methyl]acetamide
2,4-DEP	tris[2-(2,4-dichlorophenoxy)ethyl]phosphite
desmedipham	ethyl[3-[(phenylamino)carbonyloxy]phenyl]carbamate
desmetryn	<u>N</u> -methyl- <u>N'</u> -(1-methylethyl)-6-(methylthio)-1,3,5-triazine-2,4-diamine
diallate	<u>S</u> -(2,3-dichloro-2-propenyl) bis(1-methylethyl)carbamoithioate
dicamba	3,6-dichloro-2-methoxybenzoic acid
dichlobenil	2,6-dichlorobenzonitrile
dichlormate	3,4-dichloro benzenemethanol methylcarbamate
dichlorprop	(<u>O</u>)-2-(2,4-dichlorophenoxy)propanoic acid
diclofop	(<u>O</u>)-2-[4-(2,4-dichlorophenoxy)phenoxy]propanoic acid
dicryl	<u>N</u> -(3,4-dichlorophenyl)-2-methyl-2-propenamamide
diethylatyl	<u>N</u> -(chloroacetyl)- <u>N</u> -(2,6-diethylphenyl)glycine
difenopenten	(<u>E</u>)-(<u>O</u>)-4-[4-[4-(trifluoromethyl)phenoxy]phenoxy]-2-pentenoic acid
difenoxuron	<u>N'</u> -[4-(4-methoxyphenoxy)phenyl]- <u>N,N</u> -dimethylurea
difenzoquat	1,2-dimethyl-3,5-diphenyl-1H-pyrazolium
dimethachlor	2-chloro- <u>N</u> -(2,6-dimethylphenyl)- <u>N</u> -(2-methoxyethyl)acetamide
dimethametryn	<u>N</u> -(1,2-dimethylpropyl)- <u>N'</u> -ethyl-6-(methylthio)-1,3,5-triazine-2,4-diamine
dinitramine	<u>N3,N3</u> -diethyl-2,4-dinitro-6-(trifluoromethyl)-1,3-benzenediamine
dinosam	2-(1-methylbutyl)-4,6-dinitrophenol
dinoseb	2-(1-methylpropyl)-4,6-dinitrophenol
dinoterb	2-(1,1-dimethylethyl)-4,6-dinitrophenol
diphenamid	<u>N,N</u> -dimethyl- <u>a</u> -phenyl benzeneacetamide
dipropetryn	6-(ethylthio)- <u>N,N'</u> -bis(1-methylethyl)-1,3,5-triazine-2,4-diamine
diquat	6,7-dihydrodipyrido[1,2- <u>a</u> :2',1'- <u>c</u>]pyrazinediium ion
dithiopyr	<u>S,S</u> -dimethyl 2-(difluoromethyl)-4-(2-methylpropyl)-6-(trifluoromethyl)-3,5-pyridinedicarbothioate
diuron	<u>N'</u> -(3,4-dichlorophenyl)- <u>N,N</u> -dimethylurea

DNOC	2-methyl-4,6-dinitrophenol
3,4-DP	2-(3,4-dichlorophenoxy) propanoic acid
DSMA	disodium salt of MAA
EBEP	ethyl bis (2-ethylhexyl)phosphinate
eglinazine	<u>N</u> -(4-chloro-6-ethylamino-1,3,5-triazin-2-yl)glycine
endothall	7-oxabicyclo[2.2.1]heptane-2,3-dicarboxylic acid
endothal-sodium	Sodium salt of endothal
EPTC	<u>S</u> -ethyl dipropyl carbamothioate
erbon	2-(2,4,5-trichlorophenoxy)ethyl-2,2-dichloropropanoate
ethalfuralin	<u>N</u> -ethyl- <u>N</u> -(2-methyl-2-propenyl)-2,6-dinitro-4-(trifluoromethyl)benzenamine
ethametsulfuron	2-[[[[[4-ethoxy-6-(methylamino)-1,3,5-triazin-2-yl]amino]carbonyl]amino]sulfonyl]benzoic acid
ethidimuron	<u>N</u> -(5-ethylsulfonyl-1,3,4-thiadiazol-2-yl)- <u>N,N'</u> -dimethylurea
ethiolate	<u>S</u> -ethyl diethylcarbamothioate
ethofumesate	(<u>O</u>)-2-ethoxy-2,3-dihydro-3,3-dimethyl-5-benzofuranyl methanesulfonate
EXD	diethyl thioperoxydicarbonate
fenac	2,3,6-trichlorobenzeneacetic acid
fenoxaprop	(<u>O</u>)-2-[4-[(6-chloro-2-benzoxazolyl)oxy]phenoxy]propanoic acid
fenuron	<u>N,N</u> -dimethyl- <u>N'</u> -phenylurea
fenuron TCA	salt of fenuron and TCA
flamprop	<u>N</u> -benzoyl- <u>N</u> -(3-chloro-4-fluorophenyl)- <u>DL</u> -alanine
fluazifop	(<u>O</u>)-2-[4-[[5-(trifluoromethyl)-2-pyridinyl]oxy]phenoxy]propanoic acid
fluazifop-P	(<u>R</u>)-2-[4-[[5-(trifluoromethyl)-2-pyridinyl]oxy]phenoxy]propanoic acid
fluchloralin	<u>N</u> -(2-chloroethyl)-2,6-dinitro- <u>N</u> -propyl-4-(trifluoromethyl)benzenamine
flumetsulam	<u>N</u> -(2,6-difluorophenyl)-5-methyl[1,2,4]triazolo[1,5- <u>a</u>]pyrimidine-2-sulfonamide



TOP

flumiclorac	[2-chloro-4-fluoro-5-(1,3,4,5,6,7-hexahydro-1,3-dioxo-2H-isoindol-2-yl)phenoxy]acetic acid
flumioxazin	2-[7-fluoro-3,4-dihydro-3-oxo-4-(2-propynyl)-2H-1,4-benzoxazin-6-yl]-4,5,6,7-tetrahydro-1H-isoindole-1,3(2H)-dione
fluometuron	<u>N,N</u> -dimethyl- <u>N'</u> -[3-(trifluoromethyl)phenyl]urea
fluorochloridone	3-chloro-4-(chloromethyl)-1-[3-(trifluoromethyl)phenyl]-2-pyrrolidinone
fluorodifen	2-nitro-1-(4-nitrophenoxy)-4-trifluoromethylbenzene

fluoroglycofen	carboxymethyl 5-[2-chloro-4-(trifluoromethyl)phenoxy]-2-nitrobenzoate
flupropacil	1-methylethyl 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]benzoate
flupyrsulfuron	2-[[[(4,6-dimethoxy-2-pyrimidinyl)amino]carbonyl]amino]sulfonyl]-6-(trifluoromethyl)-3-pyridinecarboxylic acid
fluridone	1-methyl-3-phenyl-5-[3-(trifluoromethyl)phenyl]-4(1H)-pyridinone
fluroxypyr	[(4-amino-3,5-dichloro-6-fluoro-2-pyridinyl)oxy]acetic acid
flurtamone	O-5-(methylamino)-2-phenyl-4-[3-(trifluoromethyl)phenyl]-3(2H)-furanone
fomesafen	5-[2-chloro-4-(trifluoromethyl)phenoxy]-N-(methylsulfonyl)-2-nitrobenzamide
fosamine	ethyl hydrogen (aminocarbonyl)phosphonate
glufosinate	2-amino-4-(hydroxymethylphosphinyl)butanoic acid
glyphosate	N-(phosphonomethyl)glycine
halosafen	5-[2-chloro-6-fluoro-4-(trifluoromethyl)phenoxy]-N-(ethylsulfonyl)-2-nitrobenzamide
haloxyfop	O-2-[4-[[3-chloro-5-(trifluoromethyl)-2-pyridinyl]oxy]phenoxy]propanoic acid
hexaflurate	potassium hexafluoroarsenate
hexazinone	3-cyclohexyl-6-(dimethylamino)-1-methyl-1,3,5-triazine-2,4(1H,3H)-dione
imazamethabenz	O-2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1H-imidazol-2-yl]-4(and 5)-methylbenzoic acid (3:2)
imazamox	2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1H-imidazol-2-yl]-5-(methoxymethyl)-3-pyridinecarboxylic acid
imazapyr	O-2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1H-imidazol-2-yl]-3-pyridinecarboxylic acid
imazaquin	2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1H-imidazol-2-yl]-3-quinolinecarboxylic acid
imazethapyr	2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1H-imidazol-2-yl]-5-ethyl-3-pyridinecarboxylic acid
ioxynil	4-hydroxy-3,5-diiodobenzonitrile
ipazine	6-chloro-N,N-diethyl-N'-(1-methylethyl)-1,3,5-triazine-2,4-diamine
IPX	O-(1-methylethyl)carbonodithioate
isocarbamid	N-(2-methylpropyl)-2-oxo-1-imidazolidinecarboxamide
isocil	5-bromo-6-methyl-3-(1-methylethyl)-2,4(1H,3H)-pyrimidinedione
isomethiozin	6-(1,1-dimethylethyl)-4-[(2-methylpropylidene)amino]-3-(methylthio)-1,2,4-

	triazin-5-(4H)-one
isopropalin	4-(1-methylethyl)-2,6-dinitro- <u>N,N</u> -dipropylbenzenamine
isoproturon	<u>N,N</u> -dimethyl- <u>N'</u> -[4-(1-methylethyl)phenyl]urea
isouron	<u>N'</u> -[5-(1,1-dimethylethyl)-3-isoxazolyl]- <u>N,N</u> -dimethylurea
isoxaben	<u>N</u> -[3-(1-ethyl-1-methylpropyl)-5-isoxazolyl]-2,6-dimethoxybenzamide
karbutilate	3-[[[(dimethylamino)carbonyl]amino]phenyl (1,1-dimethylethyl)carbamate
KOCN	potassium cyanate
lactofen	()-2-ethoxy-1-methyl-2-oxoethyl 5-[2-chloro-4-(trifluoromethyl)phenoxy]-2-nitrobenzoate
lenacil	3-cyclohexyl-6,7-dihydro-1 <u>H</u> -cyclopentapyrimidine-2,4(3 <u>H</u> ,5 <u>H</u>)-dione
linuron	<u>N'</u> -(3,4-dichlorophenyl)- <u>N</u> -methoxy- <u>N</u> -methylurea
MAA	methylarsonic acid
MAMA	monoammonium salt of MAA
maleic hydrazide	1,2-dihydro-3,6-pyridazinedione
MCPA	(4-chloro-2-methylphenoxy)acetic acid
MCPB	4-(4-chloro-2-methylphenoxy)butanoic acid
mecoprop	()-2-(4-chloro-2-methylphenoxy)propanoic acid
mefluidide	<u>N</u> -[2,4-dimethyl-5-[[[(trifluoromethyl)sulfonyl]amino]phenyl]acetamide
metam-sodium	Sodium salt of metham
metamitron	4-amino-3-methyl-6-phenyl-1,2,4-triazin-5(4 <u>H</u>)-one
methalpropalin	<u>N</u> -(2-methyl-2-propenyl)-2,6-dinitro- <u>N</u> -propyl-4-(trifluoromethyl)benzenamine
metham	methylcarbarnodithioic acid
methazole	2-(3,4-dichlorophenyl)-4-methyl-1,2,4-oxadiazolidine-3,5-dione
methibenzuron	<u>N</u> -(2-benzothiazolyl)- <u>N,N'</u> -dimethylurea
methoprotryn	<u>N</u> -(3-methoxypropyl)- <u>N'</u> -(1-methylethyl)-6-(methylthio)-1,3,5-triazine-2,4-diamine
methyl bromide	bromomethane
metobromuron	<u>N'</u> -(4-bromophenyl)- <u>N</u> -methoxy- <u>N</u> -methylurea
metolachlor	2-chloro- <u>N</u> -(2-ethyl-6-methylphenyl)- <u>N</u> -(2-methoxy-1-methylethyl)acetamide
metosulam	<u>N</u> -(2,6-dichloro-3-methylphenyl)-5,7-dimethoxy[1,2,4]triazolo[1,5- <u>a</u>]pyrimidine-2-sulfonamide

metoxuron	<u>N'</u> -(3-chloro-4-methoxyphenyl)- <u>N,N</u> -dimethyl urea
metribuzin	4-amino-6-(1,1-dimethylethyl)-3-(methylthio)-1,2,4-triazin-5(4H)-one
metsulfuron	2-[[[(4-methoxy-6-methyl-1,3,5-triazin-2-yl)amino]carbonyl]amino]sulfonyl] benzoic acid
molinate	<u>S</u> -ethyl hexahydro-1H-azepine-1-carbothioate
monalide	<u>N</u> -(4-chlorophenyl)-2,2-dimethylpentanamide
monolinuron	<u>N'</u> -(4-chlorophenyl)- <u>N</u> -methoxy- <u>N</u> -methylurea
monuron	<u>N'</u> -(4-chlorophenyl)- <u>N,N</u> -dimethylurea
monuron TCA	salt of monuron and TCA
MSMA	monosodium salt of MAA
napropamide	<u>N,N</u> -diethyl-2-(1-naphthalenyloxy)propanamide
naptalam	2-[(1-naphthalenylamino)carbonyl]benzoic acid
neburon	<u>N</u> -butyl- <u>N'</u> -(3,4-dichlorophenyl)- <u>N</u> -methylurea
nicosulfuron	2-[[[(4,6-dimethoxy-2-pyrimidinyl)amino]carbonyl]amino]sulfonyl]- <u>N,N</u> -dimethyl-3-pyridinecarboxamide
nitralin	4-(methylsulfonyl)-2,6-dinitro- <u>N,N</u> -dipropylbenzenamine
nitrofen	2,4-dichloro-1-(4-nitrophenoxy)benzene
nitrofluorfen	2-chloro-1-(4-nitrophenoxy)-4-(trifluoromethyl)benzene
noea	<u>N,N</u> -dimethyl- <u>N'</u> -(octahydro-4,7-methano-1H-inden-5-yl)urea 3aa,4a,5a,7a,7aa-isomer
norflurazon	4-chloro-5-(methylamino)-2-(3-(trifluoromethyl)phenyl)-3(2H)-pyridazinone



TOP

OCH	2,3,4,4,5,5,6,6-octachloro-2-cyclohexen-1-one
oryzalin	4-(dipropylamino)-3,5-dinitrobenzenesulfonamide
oxadiazon	3-[2,4-dichloro-5-(1-methylethoxy)phenyl]-5-(1,1-dimethylethyl)-1,3,4-oxadiazol-2-(3H)-one
oxyfluorfen	2-chloro-1-(3-ethoxy-4-nitrophenoxy)-4-(trifluoromethyl)benzene
paraquat	1,1'-dimethyl-4,4'-bipyridinium ion
PBA	chlorinated benzoic acid
PCP	pentachlorophenol
pebulate	<u>S</u> -propyl butylethylcarbamothioate
pelargonic acid	nonanoic acid

pendimethalin	<u>N</u> -(1-ethylpropyl)-3,4-dimethyl-2,6-dinitrobenzenamine
perfluidone	1,1,1-trifluoro- <u>N</u> -[2-methyl-4-(phenylsulfonyl)phenyl]methanesulfonamide
phenisopham	3-[[1-(methylethoxy)carbonyl]amino]phenyl ethylphenylcarbamate
phenmedipham	3-[(methoxycarbonyl)amino]phenyl (3-methylphenyl)carbamate
picloram	4-amino-3,5,6-trichloro-2-pyridinecarboxylic acid
piperophos	<u>S</u> -[2-(2-methyl-1-piperidinyl)-2-oxoethyl] <u>O,O</u> -dipropyl phosphorodithioate
PMA	(acetato- <u>O</u>)phenylmercury
potassium azide	potassium azide
primisulfuron	2-[[[[[4,6-bis(difluoromethoxy)-2-pyrimidinyl]amino]carbonyl]amino]sulfonyl]benzoic acid
procyazine	2-[4-chloro-6-(cyclopropylamino)-1,3,5-triazine-2-yl]amino]-2-methylpropanenitrile
prodiamine	2,4 dinitro- <u>N</u> ₃ , <u>N</u> ₃ -dipropyl-6-(trifluoromethyl)-1,3-benzenediamine
profluralin	<u>N</u> -(cyclopropylmethyl)-2,6-dinitro- <u>N</u> -propyl-4-(trifluoromethyl)benzenamine
proglinazine	<u>N</u> -[4-chloro-6-(1-methylethylamino)-1,3,5-triazine-2-yl]glycine
prometon	6-methoxy- <u>N,N'</u> -bis(1-methylethyl)-1,3,5-triazine-2,4-diamine
prometryn	<u>N,N'</u> -bis(1-methylethyl)-6-(methylthio)-1,3,5-triazine-2,4-diamine
pronamide	3,5-dichloro (<u>N</u> -1,1-dimethyl-2-propynyl)benzamide
propachlor	2-chloro- <u>N</u> -(1-methylethyl)- <u>N</u> -phenylacetamide
propanil	<u>N</u> -(3,4-dichlorophenyl)propanamide
propaquizafop	(<u>R</u>)-2-[[1-(1-methylethylidene)amino]oxy]ethyl 2-[4-[(6-chloro-2-quinoxalinyloxy)phenoxy]propanoate
propazine	6-chloro- <u>N,N'</u> -bis(1-methylethyl)-1,3,5-triazine-2,4-diamine
propham	1-methylethyl phenylcarbamate
prosulfalin	<u>N</u> -[[4-(dipropylamino)-3,5-dinitrophenyl]sulfonyl]- <u>S,S</u> -dimethylsulfilimine
proxan-sodium	sodium salt of IPX
prynachlor	2-chloro- <u>N</u> -(1-methyl-2-propynyl)- <u>N</u> -phenylacetamide
pyrazon	5-amino-4-chloro-2-phenyl-3(2H)-pyridazinone
pyriclor	2,3,5-trichloro-4-pyridinol
pyridate	<u>O</u> -(6-chloro-3-phenyl-4-pyridazinyl) <u>S</u> -octyl carbonothioate
pyrithiobac	2-chloro-6-[(4,6-dimethoxy-2-pyrimidinyl)thio]benzoic acid
quinclorac	3,7-dichloro-8-quinolinecarboxylic acid
quinonamid	2,2-dichloro- <u>N</u> -(3-chloro-1,4-dihydro-1,4-dioxo-2-naphthalenyl)acetamide
quizalofop	()-2-[4-[(6-chloro-2-quinoxalinyloxy)phenoxy]propanoic acid
rimsulfuron	<u>N</u> -[[[4,6-dimethoxy-2-pyrimidinyl]amino]carbonyl]-3-(ethylsulfonyl)-2-pyridinesulfonamide
secbumeton	<u>N</u> -ethyl-6-methoxy- <u>N'</u> -(1-methylpropyl)-1,3,5-triazine-2,4-diamine
sethoxydim	2-[1-(ethoxyimino)butyl]-5-[2-(ethylthio)propyl]-3-hydroxy-2-cyclohexen-1-one

sesone	2-(2,4-dichlorophenoxy)ethyl hydrogen sulfate
siduron	<u>N</u> -(2-methylcyclohexyl)- <u>N'</u> -phenylurea
silvex	2-(2,4,5-trichlorophenoxy)propanoic acid
simazine	6-chloro- <u>N,N'</u> -diethyl-1,3,5-triazine-2,4-diamine
simeton	<u>N,N'</u> -diethyl-6-methoxy-1,3,5-triazine-2,4-diamine
simetryn	<u>N,N'</u> -diethyl-6-(methylthio)-1,3,5-triazine-2,4-diamine
sodium arsenite	sodium arsenite
sodium azide	sodium azide
sodium chlorate	sodium chlorate
solan	<u>N</u> -(3-chloro-4-methylphenyl)-2-methylpentanamide
sulfentrazone	<u>N</u> -[2,4-dichloro-5-[4-(difluoromethyl)-4,5-dihydro-3-methyl-5-oxo-1H-1,2,4-triazol-1-yl] phenyl]methanesulfonamide
sulfometuron	2-[[[(4,6-dimethyl-2-pyrimidinyl)amino]carbonyl]amino]sulfonyl]benzoic acid
swep	methyl(3,4-dichlorophenyl)carbamate



TOP


2,4,5-T	(2,4,5-trichlorophenoxy)acetic acid
2,4,5-TB	4-(2,4,5-trichlorophenoxy)butanoic acid
2,3,6-TBA	2,3,6-trichlorobenzoic acid
TCA	trichloroacetic acid
tebuthiuron	<u>N</u> -[5-(1,1-dimethylethyl)-1,3,4-thiadiazol-2-yl]- <u>N,N'</u> -dimethylurea
terbacil	5-chloro-3-(1,1-dimethylethyl)-6-methyl-2,4(1H,3H)-pyrimidinedione
terbuchlor	<u>N</u> -(butoxymethyl)-2-chloro- <u>N</u> -[2-(1,1-dimethylethyl)-6-methylphenyl]acetamide
terbumeton	<u>N</u> -(1,1-dimethylethyl)- <u>N'</u> -ethyl-6-methoxy-1,3,5-triazine-2,4-diamine
terbutylazine	6-chloro- <u>N</u> -(1,1-dimethylethyl)- <u>N'</u> -ethyl-1,3,5-triazine-2,4-diamine
terbutol	2,6-bis(1,1-dimethylethyl)-4-methylphenyl methylcarbamate
terbutryn	<u>N</u> -(1,1-dimethylethyl)- <u>N'</u> -ethyl-6-(methylthio)-1,3,5-triazine-2,4-diamine
tetrafluron	<u>N,N</u> -dimethyl- <u>N'</u> -[3-(1,1,2,2-tetrafluoroethoxy)phenyl]urea
thiazafluron	<u>N,N'</u> -dimethyl- <u>N</u> -[5-(trifluoromethyl)-1,3,4-thiadiazol-2-yl]urea
thiazopyr	methyl 2-(difluoromethyl)-5-(4,5-dihydro-2-thiazolyl)-4-(2-methylpropyl)-6-(trifluoromethyl)-3-pyridinecarboxylate
thifensulfuron	3-[[[(4-methoxy-6-methyl-1,3,5-triazin-2-yl)amino]carbonyl]amino]sulfonyl]-2-thiophenecarboxylic acid
thiobencarb	<u>S</u> -[(4-chlorophenyl)methyl]diethylcarbamothioate
2,2,3-TPA	2,2,3-trichloropropionic acid
triallate	<u>S</u> -(2,3,3-trichloro-2-propenyl) bis(1-methylethyl)carbamothioate 2-(2-chloroethoxy)- <u>N</u> -[[[(4-methoxy-6-methyl-1,3,5-triazin-2-yl)amino]carbonyl]

Triasulfuron 2-(2-chloroethoxy)-N-[[4-methoxy-6-methyl-1,3,5-triazin-2-yl]amino]carbonylbenzenesulfonamide

- tribenuron 2-[[[[[4-methoxy-6-methyl-1,3,5-triazin-2-yl)methylamino]carbonyl]amino]sulfonyl]benzoic acid
- tricamba 2,3,5-trichloro-6-methoxy benzoic acid
- triclopyr [(3,5,6-trichloro-2-pyridinyl)oxy]acetic acid
- tridiphane 2-(3,5-dichlorophenyl)-2-(2,2,2-trichloroethyl)oxirane
- trietazine 6-chloro-N,N,N'-triethyl-1,3,5-triazine-2,4-diamine
- trifluralin 2,6-dinitro-N,N-dipropyl-4-(trifluoromethyl)benzenamine
- triflusulfuron 2-[[[[[4-(dimethylamino)-6-(2,2,2-trifluoroethoxy)-1,3,5-triazin-2-yl]amino]carbonyl]amino]sulfonyl]-3-methylbenzoic acid
- trimeturon methyl N'-(4-chlorophenyl)-N,N-dimethylcarbamidate
- tritac 1-[(2,3,6-trichlorophenyl)methoxy]-2-propanol
- vernolate S-propyl dipropylcarbamoithioate
- xylachlor 2-chloro-N-(2,3-dimethylphenyl)-N-(1-methylethyl)acetamide

COMMON AND CHEMICAL NAMES OF HERBICIDE MODIFIERS

- cyometrinil (Z)-a[(cyanomethoxy)imino]benzeneacetonitrile
- dichlormid 2,2-dichloro-N,N-di-2-propenylacetamide
- dietholate O,O-diethyl O-phenyl phosphorothioate
- flurazole phenylmethyl 2-chloro-4-(trifluoromethyl)-5-thiazolecarboxylate
- mephenate 4-chlorophenyl methylcarbamate
- naphthalic anhydride 1H,3H-naphtho[1,8-cd]-pyran-1,3-dione

 **TOP**



Pesticide Education Resources @ University of Nebraska-Lincoln .