

# Common and Chemical Names of Herbicides<sup>a</sup>

## Common Name or Designation

## Chemical Name

|                                    |  |
|------------------------------------|--|
| acifluorfen                        | 5-[2-chloro-4-(trifluoromethyl)phenoxy]-2-nitrobenzoic acid  |
| acrolein (á krō' le ĩn)            | acrolein   |
| alachlor (ál á chlōr)              | 2-chloro-2',6'-diethyl-N-(methoxymethyl)acetanilide  |
| ametryn (ám' ě trin)               | 2-(ethylamino)-4-(isopropylamino)-6-(methylthio)-s-triazine  |
| amitrole (ám' ĩ trōl)              | 3-amino-s-triazole   |
| AMS                                | ammonium sulfamate   |
| asulam (ás' ũ lám)                 | methyl sulfanilylcarbamate   |
| atrazine (á' trá zēn)              | 2-chloro-4-(ethylamino)-6-(isopropylamino)-s-triazine  |
| barban (bār' bán)                  | 4-chloro-2-butynyl <i>m</i> -chlorocarbamate   |
| benefin (běn' ě fĭn)               | <i>N</i> -butyl- <i>N</i> -ethyl- $\alpha,\alpha,\alpha$ -trifluoro-2,6-dinitro- <i>p</i> -toluidine                     |
| bensulide (běn' sŭl ĩd)            | <i>O,O</i> -diisopropyl phosphorodithioate <i>S</i> -ester with <i>N</i> -(2-mercaptoethyl)benzenesulfonamide            |
| bentazon (běn' tā zōn)             | 3-isopropyl-1 <i>H</i> -2,1,3-benzothiadiazin-4(3 <i>H</i> )-one 2,2-dioxide   |
| benzadox (běn' zuh dōx)            | (benzamidooxy)acetic acid  |
| benzipram (běn' zi pram)           | 3,5-dimethyl- <i>N</i> -(1-methylethyl)- <i>N</i> -(phenylmethyl)benzamide   |
| benzoylprop                        | <i>N</i> -benzoyl- <i>N</i> -(3,4-dichlorophenyl)- <i>DL</i> -alanine  |
| bifenox (bí' fē nāks)              | methyl 5-(2,4-dichlorophenoxy)-2-nitrobenzoate   |
| bromacil (brō' má sil)             | 5-bromo-3- <i>sec</i> -butyl-6-methyluracil  |
| bromoxynil (brō' mōx' ŷ nĭl)       | 3,5-dibromo-4-hydroxybenzoxazole   |
| butachlor (byūt' a klōr)           | <i>N</i> -(butoxymethyl)-2-chloro-2',6'-diethylacetanilide   |
| butam (bju' taam)                  | 2,2-dimethyl- <i>N</i> -(1-methylethyl)- <i>N</i> -(phenylmethyl)propanamide   |
| buthidazole (byū' thĭd' a' zōl)    | 3-[5-(1,1-dimethylethyl)-1,3,4-thiadiazol-2-yl]-4-hydroxy-1-methyl-2-imidazolidinone                                     |
| butralin (bū' trá lin)             | 4-(1,1-dimethylethyl)- <i>N</i> -(1-methylpropyl)-2,6-dinitrobenzamine   |
| butylate (bū' tí lâ t)             | <i>S</i> -ethyl diisobutylthiocarbamate  |
| cacodylic acid (cā' cō dŷl' ĩc)    | hydroxydimethylarsine oxide  |
| cambendichlor (kām' ben-dĭ-klōr)   | (phenylimino)di-2, 1-ethandiyl bis(3,6-dichloro-2-methoxybenzoate)   |
| carbetamide (cār' bēt' á mide)     | <i>D,N</i> -ethyl lactamide carbamate (ester)  |
| CDA                                | <i>N,N</i> -diallyl-2-chloroacetamide  |
| CDEC                               | 2-chloroallyl diethylthiocarbamate   |
| chloramben (klōr' ám' běn)         | 3-amino-2,5-dichlorobenzoic acid   |
| chlorbromuron (klōr' brōm u ron)   | 3-(4-bromo-3-chlorophenyl)-1-methoxy-1-methylurea  |
| chloroxuron (klō' rōx' ũ rōn)      | 3-[ <i>p</i> -( <i>p</i> -chlorophenoxy)phenyl]-1,1-dimethylurea   |
| chlorpropham (clōr' prō' fām)      | isopropyl <i>m</i> -chlorocarbamate  |
| cisalanilide (sĭs' án' ə lĭd)      | <i>cis</i> -2,5-dimethyl- <i>N</i> -phenyl-1-pyrrolidinecarboxamide  |
| CMA                                | calcium methanearsonate  |
| cyanazine (cĭ' án' á zēn)          | 2-[4-chloro-6-(ethylamino)-s-triazin-2-yl] amino]-2-methylpropionitrile  |
| cycloate (sy' clō āt)              | <i>S</i> -ethyl <i>N</i> -ethylthiocyclohexanecarbamate  |
| cycluron (sy' klŭ rōn)             | 3-cyclooctyl-1,1-dimethylurea  |
| cyperquat (sí' pār kwāt)           | 1-methyl-4-phenylpyridinium  |
| cyprazine (sí' prā zēēn)           | 2-chloro-4-(cyclopropylamino)-6-(isopropylamino)-s-triazine  |
| cyprazole (sí' prā zol)            | <i>N</i> -[5-(2-chloro-1,1-dimethylethyl)-1,3,4-thiadiazol-2-yl] cyclopropanecarboxamide                                 |
| cypromid (sy' prō mĭd)             | 3',4'-dichlorocyclopropanecarboxanilide  |
| dalapon (dāl' á pōn)               | 2,2-dichloropropionic acid   |
| dazomet (dā' zō mēt)               | tetrahydro-3,5-dimethyl-2 <i>H</i> -1,3,5-thiadiazine-2-thione   |
| DCPA                               | dimethyl tetrachloroterephthalate  |
| desmedipham (dēz' mēd ě fām)       | ethyl <i>m</i> -hydroxycarbamate carbamate (ester)   |
| desmetryn (dēs' mē trin)           | 2-(isopropylamino)-4-(methylamino)-6-(methylthio)-s-triazine   |
| diallate (dĭ' āl lâ t)             | 5-(2,3-dichloroallyl) diisopropylthiocarbamate   |
| dicamba (dĭ' kām' bá)              | 3,6-dichloro- <i>o</i> -anisic acid  |
| dichlobenil (dĭ' clō běn' ĩl)      | 2,6-dichlorobenzonitrile   |
| dichlorprop (dĭ' clōr prōp)        | 2-(2,4-dichlorophenoxy)propionic acid  |
| diclofop (dĭ' clō fāp)             | 2-[4-(2,4-dichlorophenoxy)phenoxy] propanoic acid  |
| diethatyl (dĭ' eth' e til)         | <i>N</i> -(chloroacetyl)- <i>N</i> -(2,6-diethylphenyl)glycine   |
| difenopentén (dĭ' fēn ō' pēn ten)  | 4-[4-[4-(trifluoromethyl)phenoxy] phenoxy]-2-pentenoic   |
| difenzoquat (dĭ' fēn zō kwāt)      | 1,2-dimethyl-3,5-diphenyl-1 <i>H</i> -pyrazolium   |
| dinitramine (dĭ' nĭ trá mēn)       | <i>N</i> <sup>4</sup> , <i>N</i> <sup>4</sup> -diethyl- $\alpha,\alpha,\alpha$ -trifluoro-3,5-dinitrotoluene-2,4-diamine |
| dinoseb (dĭ' nō sēb)               | 2- <i>sec</i> -butyl-4,6-dinitrophenol   |
| diphenamid (dĭ' fēn' á mĭd)        | <i>N,N</i> -dimethyl-2,2-diphenylacetamide   |
| dipropetryn (dĭ' prōp' ě trin)     | 2-(ethylthio)-4,6-bis (isopropylamino)-s-triazine  |
| diquat (dĭ' kwāt)                  | 6,7-dihydrodipyrido[1,2- $\alpha$ :2',1'- $\epsilon$ ] pyrazinediium ion   |
| diuron (dĭ' ũ rōn)                 | 3-(3,4-dichlorophenyl)-1,1-dimethylurea  |
| DNOC                               | 4,6-dinitro- <i>o</i> -cresol  |
| DSMA                               | disodium methanearsonate   |
| endothall (ēn' dō thāl)            | 7-oxabicyclo[2.2.1] heptane-2,3-dicarboxylic acid  |
| EPTC                               | <i>S</i> -ethyl dipropylthiocarbamate  |
| erbon (ūr' bōn)                    | 2-(2,4,5-trichlorophenoxy)ethyl 2,2-dichloropropionate   |
| ethalfluralin (eth al flūr' á ĩn)  | <i>N</i> -ethyl- <i>N</i> -(2-methyl-2-propenyl)-2,6-dinitro-4-(trifluoromethyl)benzamine                                |
| ethiolate (e thĭ' ō lâ tē)         | <i>S</i> -ethyl diethylthiocarbamate   |
| ethofumesate (eth' ō fyōōm' e sāt) | (+)-2-ethoxy-2,3-dihydro-3,3-dimethyl-5-benzofuranyl methanesulfonate  |
| fenac (fēn' ác)                    | (2,3,6-trichlorophenyl)acetic acid   |
| fenuron (fēn' ũ rōn)               | 1,1-dimethyl-3-phenylurea  |
| fenuronTCA                         | 1,1-dimethyl-3-phenylurea mono(trichloroacetate)   |
| flamprop                           | <i>N</i> -benzoyl- <i>N</i> -(3-chloro-4-fluorophenyl)- <i>DL</i> -alanine   |
| fluchloralin (flŭ' klōr' a lĭn)    | <i>N</i> -(2-chloroethyl)-2,6-dinitro- <i>N</i> -propyl-4-(trifluoromethyl)aniline                                       |
| fluometuron (flŭ' ō mēt' ũ rōn)    | 1,1-dimethyl-3-( $\alpha,\alpha,\alpha$ -trifluoro- <i>m</i> -tolyl)urea   |
| fluorodifen (flŭ' ō dĭ' fēn)       | <i>p</i> -nitrophenyl $\alpha,\alpha,\alpha$ -trifluoro-2-nitro- <i>p</i> -tolyl ether                                   |
| fluridone (flūr' ĩ dōn)            | 1-methyl-3-phenyl-5-[3-(trifluoromethyl)phenyl]-4(1 <i>H</i> )-pyridinone  |
| fosamine (fās' -a-mēn)             | ethyl hydrogen (aminocarbonyl)phosphonate  |
| glyphosate (glĭ' fō sāt)           | <i>N</i> -(phosphonomethyl)glycine   |
| hexaflurate (hēx' á floor' ā tē)   | potassium hexafluoroarsenate   |
| hexazinone (hek-sá-ze-non)         | 3-cyclohexyl-6-(dimethylamino)-1-methyl-1,3,5-triazine-2,4(1 <i>H</i> ,3 <i>H</i> -dione                                 |
| isopropalin (ĭ' sóprō' pa lin)     | 2,6-dinitro- <i>N,N</i> -dipropylcumidine  |

|                                       |   |
|---------------------------------------|---|
| karbutilate (kar byüt' lät)           | <i>tert</i> -butylcarbamic acid ester with 3( <i>m</i> -hydroxyphenyl)-1,1-dimethylurea                             |
| lenacil (lěň' á cıl)                  | 3-cyclohexyl-6,7-dihydro-1 <i>H</i> -cyclopentapyrimidine-2,4(3 <i>H</i> ,5 <i>H</i> )-dione                        |
| linuron (lín' ù rôn)                  | 3-(3,4-dichlorophenyl)-1-methoxy-1-methylurea   |
| MAA                                   | methanearsonic acid   |
| MAMA                                  | monoammonium methanearsonate  |
| MCPA                                  | [(4-chloro- <i>o</i> -tolyl)oxy]acetic acid   |
| MCPB                                  | 4-[(4-chloro- <i>o</i> -tolyl)oxy]butyric acid  |
| mecoprop (měc' ô pröp)                | 2-[(4-chloro- <i>o</i> -tolyl)oxy]propionic acid  |
| mefluidide (me' flü' í díd)           | <i>N</i> -[2,4-dimethyl-5-[[[(trifluoromethyl)sulfonyl]amino]phenyl]acetamide                                       |
| methalpropalin (měth' ál prö' pä lín) | <i>N</i> -(2-methyl-2-propenyl)-2,6-dinitro- <i>N</i> -propyl-4-(trifluoro-methyl)benzenamine                       |
| metham (měth' ám)                     | sodium methylthiocarbamate  |
| methazole (měth' á zöl)               | 2-(3,4-dichlorophenyl)-4-methyl-1,2,4-oxadiazolidine-3,5-dione  |
| metolachlor (me' tál' ə klör)         | 2-chloro- <i>N</i> -(2-ethyl-6-methylphenyl)- <i>N</i> -(2-methoxy-1-methylethyl)acetamide                          |
| metribuzin (mě trı bu' zın)           | 4-amino-6- <i>tert</i> -butyl-3-(methylthio)- <i>as</i> -triazin-5(4 <i>H</i> )-one                                 |
| MH                                    | 1,2-dihydro-3,6-pyridazinedione   |
| molinate (mō' lí nāt)                 | 5-ethyl hexahydro-1 <i>H</i> -azepine-1-carbothioate  |
| monolinuron (mōň' ō lín' ù rôn)       | 3-( <i>p</i> -chlorophenyl)-1-methoxy-1-methylurea  |
| monuron (mōň' ù rôn)                  | 3-( <i>p</i> -chlorophenyl)-1,1-dimethylurea  |
| monuronTCA                            | 3-( <i>p</i> -chlorophenyl)-1,1-dimethylurea mono(trichloroacetate)   |
| MSMA                                  | monosodium methanearsonate  |
| napropamide (nă pröp' ə mıde)         | 2-( $\alpha$ -naphthoxy)- <i>N,N</i> -diethylpropionamide   |
| naptalam (năp' tálám)                 | <i>N</i> -1-naphthylphthalamic acid   |
| neburon (něb' ù rôn)                  | 1-butyl-3-(3,4-dichlorophenyl)-1-methylurea   |
| nitralin (ní' trá lín)                | 4-(methylsulfonyl)-2,6-dinitro- <i>N,N</i> -dipropylaniline   |
| nitrofen (ní' trö fěn)                | 2,4-dichlorophenyl <i>p</i> -nitrophenyl ether  |
| nitrofluorfen (nítrö flör' fěn)       | 2-chloro-1-(4-nitrophenoxy)-4-(trifluoromethyl)benzene  |
| norea (nō rē uh)                      | 3(hexahydro-4,7-methanoindan-5-yl)-1,1-dimethylurea   |
| norflurazon (nör' flür ə zán)         | 4-chloro-5-(methylamino)-2-( $\alpha,\alpha,\alpha$ -trifluoro- <i>m</i> -tolyl)-3(2 <i>H</i> )-pyridazinone        |
| oryzalin (ō rı' zálín)                | 3,5-dinitro- <i>N</i> <sup>4</sup> , <i>N</i> <sup>4</sup> -dipropylsulfanilamide                                   |
| oxadiazon (ox' ə dí' ə zón)           | 2- <i>tert</i> -butyl-4-(2,4-dichloro-5-isopropoxyphenyl)- $\Delta^2$ -1,3,4-oxadiazolin-5-one                      |
| oxyfluorfen (ox' í flor fěn)          | 2-chloro-1-(3-ethoxy-4-nitrophenoxy)-4-(trifluoromethyl)benzene   |
| paraquat (păr' ə kwät)                | 1,1'-dimethyl-4,4'-bipyridinium ion   |
| PBA                                   | chlorinated benzoic acid  |
| pebulate (pěb' ù lät)                 | <i>S</i> -propyl butylethylthiocarbamate  |
| pendimethalin (pěň' dí měth' ə lín)   | <i>N</i> -(1-ethylpropyl)-3,4-dimethyl-2,6-dinitrobenzenamine   |
| perfluidone (per' flü' í dón)         | 1,1,1-trifluoro- <i>N</i> -[2-methyl-4-(phenylsulfonyl)phenyl]methanesulfonamide                                    |
| phenmedipham (fěn mēd' í fām)         | methyl <i>m</i> -hydroxycarbanilate <i>m</i> -methylcarbanilate   |
| picloram (pic' lör' ə m)              | 4-amino-3,5,6-trichloropicolinic acid   |
| procyazine (prö' sí ə zēň)            | 2-[[4-chloro-6-(cyclopropylamino)-1,3,5-triazine-2-yl]amino]-2-methylpropanenitrile                                 |
| profluralin (prö flür' ə lín)         | <i>N</i> -(cyclopropylmethyl)- $\alpha,\alpha,\alpha$ -trifluoro-2,6-dinitro- <i>N</i> -propyl- <i>p</i> -toluidine |
| prometon (prö' mē tōň)                | 2,4-bis(isopropylamino)-6-methoxy- <i>s</i> -triazine   |
| prometryn (prö' mē trín)              | 2,4-bis(isopropylamino)-6-(methylthio)- <i>s</i> -triazine  |
| pronamide (prōň' ə mıde)              | 3,5-dichloro( <i>N</i> -1,1-dimethyl-2-propenyl)benzamide   |
| propachlor (prö' pč' clör)            | 2-chloro- <i>N</i> -isopropylacetanilide  |
| propanil (prö' pč' nil)               | <b>3',4'-dichloropropionanilide</b>   |
| propazine (prö' pč' zēň)              | <b>2-chloro-4,6-bis(isopropylamino)-<i>s</i>-triazine</b>   |
| propham (prö' fām)                    | <b>isopropyl carbanilate</b>  |
| prosulfalin (prö sul' fa lín)         | <i>N</i> -[[4-(dipropylamino)-3,5-dinitrophenyl]sulfonyl]- <i>S,S</i> -dimethylsulfilimine                          |
| prynachlor (prın' ə klör)             | 2-chloro- <i>N</i> -(1-methyl-2-propenyl)acetanilide  |
| pyrazon (pı' rā zōň)                  | 5-amino-4-chloro-2-phenyl-3(2 <i>H</i> )-pyridazinone   |
| secbumeton (sek' byü me' tăn)         | <i>N</i> -ethyl-6-methoxy- <i>N'</i> (1-methylpropyl)-1,3,5-triazine-2,4-diamine                                    |
| siduron (sıd' ù rôn)                  | 1-(2-methylcyclohexyl)-3-phenylurea   |
| silvex (sıl vėks)                     | 2-(2,4,5-trichlorophenoxy)propionic acid  |
| simazine (sım' ə zēň)                 | 2-chloro-4,6-bis(ethylamino)- <i>s</i> -triazine  |
| simetryn (sım' ě trín)                | 2,4-bis(ethylamino)-6-(methylthio)- <i>s</i> -triazine  |
| TCA                                   | trichloroacetic acid  |
| tebuthiuron (těb' ù thı' ù rôn)       | <i>N</i> -[5-(1,1-dimethylethyl)-1,3,4-thiadiazol-2-yl]- <i>N,N'</i> -dimethylurea                                  |
| terbacil (těr bā cıl)                 | 3- <i>tert</i> -butyl-5-chloro-6-methyluracil   |
| terbuchlor (tăr' byü klör)            | <i>N</i> -(butoxymethyl)-2-chloro- <i>N</i> -[2-(1,1-dimethylethyl)-6-methylphenyl]acetamide                        |
| terbuthylazine (těr byü thıl' ə zēň)  | 2( <i>tert</i> -butylamino)-4-chloro-6-(ethylamino)- <i>s</i> -triazine   |
| terbutol (těr' bú töl)                | 2,6-di- <i>tert</i> -butyl- <i>p</i> -tolyl methylcarbamate   |
| terbutryn (těr' bú trín)              | 2( <i>tert</i> -butylamino)-4-(ethylamino)-6-(methylthio)- <i>s</i> -triazine                                       |
| tetrafluron (te trās' flü rāň)        | <i>N,N</i> -dimethyl- <i>N'</i> -[3-(1,1,2,2-tetrafluoroethoxy)phenyl]urea  |
| thiobencarb (thı' ō bēň kārň)         | <i>S</i> -[(4-chlorophenyl)methyl] diethylcarbamothioate  |
| triallate (trı' ə lät)                | <i>S</i> -(2,3,3-trichloroallyl)diisopropylthiocarbamate  |
| triclopyr (trı' klö pır)              | [(3,5,6-trichloro-2-pyridinyl)oxy]acetic acid   |
| trifluralin (trı flür' ə lín)         | $\alpha,\alpha,\alpha$ -trifluoro-2,6-dinitro- <i>N,N</i> -dipropyl- <i>p</i> -toluidine                            |
| trimeturon (trı mēt' ù rôn)           | 1-( <i>p</i> -chlorophenyl)-2,3,3-trimethylpseudourea   |
| 2,3,6-TBA <sup>b</sup>                | 2,3,6-trichlorobenzoic acid   |
| 2,4-D                                 | (2,4-dichlorophenoxy)acetic acid  |
| 2,4-DB                                | 4-(2,4-dichlorophenoxy)butyric acid   |
| 2,4-DEP                               | <i>tris</i> [2-(2,4-dichlorophenoxy)ethyl] phosphite  |
| 2,4,5-T                               | (2,4,5-trichlorophenoxy)acetic acid   |
| xylachlor (zı' lə-klör)               | 2-chloro- <i>N</i> -(2,3-dimethylphenyl)- <i>N'</i> -(1-methylethyl)acetamide                                       |
| vernolate (vēr' nō lät)               | <i>S</i> -propyl dipropylthiocarbamate  |

<sup>a</sup>Herbicides no longer in use in USA are omitted. Complete listing, including these, is in WEEDS 14(4), 1966 and in Weed Science 23(1), <https://doi.org/10.1017/S004317450006135X> Published online by Cambridge University Press

<sup>b</sup>This herbicide usually is available as mixed isomers. When possible, the isomers should be identified, the amount of each isomer mixture specified and the source of the experimental chemicals given.