

## Directions for Contributors to WEED SCIENCE

Manuscripts about weeds or related topics will be considered for publication in WEED SCIENCE when at least one author is an active member of WSSA. Each manuscript should contain original material that constitutes a logical unit of related subject matter; progress reports are not acceptable. Each acceptance is made with the understanding that the manuscript has not been and will not be submitted in total or part for publication elsewhere without prior approval of the Editor of this Journal. However, prior publication in abstract form is permitted.

The Council of Biology Editors prepared and published the "Style Manual for Biological Journals". In most respects, WEED SCIENCE follows the recommendations in the latest edition of that Manual, including abbreviations, except when in conflict with these directions or the latest report of the WSSA Terminology Committee.

*Manuscripts.* Reference to a recent issue of WEED SCIENCE as a guide in preparing the manuscript is suggested. Each manuscript should be submitted to the Editor in duplicate on 21.6 by 27.9-cm bond paper with lines numbered on each page. If paper with numbered lines is not available, number the lines consecutively from the top of the page and type the number of each line adjacent to it in the left margin. Two copies of all figures also are required. DOUBLE SPACE everything—title, abstract, text, footnotes, literature citations, captions, and tables. Capitalize the first letter of the first word and of major words in the title and section headings; however, sub-section headings should be in lower case letters entirely except the first letter of the first word and proper nouns. Begin sub-section headings at the left margin—do not indent. Number all pages consecutively. An additional copy of the manuscript should be retained by the author to insure against loss.

Use a title as short as practical, preferably one with a maximum of 50 characters. The author's name(s) should follow the title; the abstract should begin immediately thereafter on the same page before the beginning of the text. The text should be divided into sections, usually with such headings as Introduction, Methods and Materials, Results, and Discussion; Results and Discussion often may be combined into a single section. Do not include a summary or list of conclusions. The sequence of items in the assembled manuscript should be: Title and authors (no separate title page); Abstract; Text; Literature Cited (begin new page); Tables; Captions for figures; and Figures.

Do not underscore anything except Latin names of plants and animals, and subheadings within sections. Measurements, such as time, weight, and degrees, should be in arabic numerals regardless of the number of digits in each number, except as the first word of a sentence. When not one of measurement, figures below 10 should be spelled out except when one figure in a series has two or more digits, in which instance all should be in arabic numerals. The exclusive use of metric units of measurement is required.

The first mention of a herbicide should include the full chemical name followed immediately by the common name or designation in parentheses; only the common name or designation should be used thereafter. Only common names or designations as shown on the outside back cover of the current issue of WEED SCIENCE should be used. Trade names should be excluded.

The complete Latin name of all organisms should be underlined and shown in parentheses immediately following the common name when first mentioned. Such designations of crop plants should include the cultivated variety (cultivar) after the Latin name; e.g., corn (*Zea mays* L. 'Dixie 18'). Thereafter, only the common name should be used; indicate the cultivar name in single quotes as required for cultivar identification. Nomenclature of weeds should agree with that presented by the WSSA Terminology Committee in WEEDS 14:337-386, 1966; standard taxonomic authorities should be used as a guide in selecting. Published online by Cambridge University Press and

all animals. Do not repeat the chemical name for herbicides or the Latin name for plants and animals in the text if they have been given in the abstract. Use common name or designation for herbicides and the common name for weeds or well known crops in the title of the manuscript.

*Footnotes.* Use footnotes sparingly. The title should refer to footnote 1 which should be or begin with "Received for publication ———." The place where the study was conducted and the title and address of the author(s) should be given, including zip code, as footnotes at the bottom of the first page. These and subsequent footnotes to the text should be numbered consecutively throughout the manuscript with superscript arabic numerals.

*Acknowledgments.* Acknowledgments should be given in a text section at the end of the text and before the Literature Cited section rather than in footnotes.

*Figures.* Experimental data may be presented in graphic or tabular form, but the same data will not be published in both forms. Figures will be published only when they convey an essential concept that can not be done adequately by words or numbers. Place the author's name(s) and figure number on the back of each figure and then enclose all figures in an envelope also bearing the author's name(s). Never fasten figures to paper by paper clips or staples. Photographs should be clear, black and white, glossy prints trimmed of unessential portions. All legends for figures should be typed on one sheet separate from the figures, and double spaced. Figures should be numbered consecutively in arabic numerals in the sequence of first reference in the text. Figures will be published at the maximum width of one journal column (8.5 cm), unless authorized otherwise by the Editor; figure preparation should allow for such reduction in size without loss of clarity or legibility.

*Tables.* Type each table double-spaced on a separate sheet. Inside long tables, the lines may be single spaced but not the captions. Tables should be numbered in arabic numerals in the sequence of first reference in the text. However, first reference to tables included primarily to present results should be in the Results section. The caption, column headings, and side headings of each table should be in lower case letters with only the first word and proper nouns capitalized. Avoid reporting non-significant decimal places. Data reporting average values should be analyzed statistically and the results of the analysis included in the table. The unit of measurement in a column of figures should be abbreviated and placed in parentheses at the top of the column under the solid horizontal line. When this value is other than unity, place the modifier ahead of the unit; i.e., (10<sup>-4</sup>M). Footnotes to tables should be designated with superscript lower case letters.

*Literature Cited.* Citations are numbered alphabetically by senior author, and the number of the reference is used in the text. Each citation should include names of all authors, year of publication, complete title, publication, volume number, and inclusive pages, in that sequence. When two or more authors are listed, initials should follow the last name for the first, but the initials should precede the last name of the second and additional authors (See detailed directions in the Style Manual). Theses, letters, or other communication or publication not normally available in libraries should appear as text footnotes and not in the Literature Cited section.

*Abstract.* An abstract must follow the title and name(s) of the author(s) on page 1 of each manuscript. It should be a non-critical, informative digest of the significant content and conclusions of the paper, not a mere description of or reference to contents of the text. It should be intelligible without reference to the original text. It should be brief (length preferably less than 3% of the total manuscript), written in whole sentences rather than telegraphic phrases. The abstract should omit titular information, tables, graphs, detailed descriptions of experiments, and long lists of names.

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

Common Name or Designation	Chemical Name <sup>b</sup>	Common Name or Designation	Chemical Name <sup>b</sup>
<b>A</b>		<b>K</b>	
acrolein (á krō'le ín)	acrolein	karbutilate (kar byút'í á)	<i>tert</i> -butylcarbamate acid ester with
alachlor (ál'á clór)	2-chloro-2',6'-diethyl- <i>N</i> - (methoxymethyl) acetanilide	KOCN	3-( <i>m</i> -hydroxyphenyl)-1,1-dimethylurea potassium cyanate
ametryne (ám'ě trín)	2-(ethylamino)-4-(isopropylamino)-6- (methylthio)- <i>s</i> -triazine	<b>L</b>	
amiben (see chloramben)		lenacil (lén'á cíl)	3-cyclohexyl-6,7-dihydro-1 <i>H</i> -cyclopenta = pyrimidine-2,4(3 <i>H</i> ,5 <i>H</i> )-dione
amitrole (ám'trōl)	3-amino- <i>s</i> -triazole	linuron (lín'ū rōn)	3-(3,4-dichlorophenyl)-1-methoxy-1-methylurea
AMS	ammonium sulfamate	<b>M</b>	
asulam (ás' ū lām)	methyl sulfanilylcarbamate	MAA	methanearsonic acid
atratone (á'trá tōn)	2-(ethylamino)-4-(isopropylamino)-6-methoxy- <i>s</i> -triazine	MAMA	monoammonium methanearsonate
atrazine (á'trá zēn)	2-chloro-4-(ethylamino)-6-(isopropylamino)- <i>s</i> -triazine	MCPA	[(4-chloro- <i>o</i> -tolyl)oxy]acetic acid
<b>B</b>		MCPB	4-[(4-chloro- <i>o</i> -tolyl)oxy]butyric acid
barban (bār'bān)	4-chloro-2-butynyl <i>m</i> -chlorocarbanilate	MCPEE	2-[(4-chloro- <i>o</i> -tolyl)oxy]ethyl sodium sulfate
benefin (bén'ě fín)	<i>N</i> -butyl- <i>N</i> -ethyl, <i>o</i> , <i>o</i> , <i>o</i> , <i>o</i> -trifluoro-2,6-dinitro- <i>p</i> - toluidine	MCPP (see mecoprop)	
bensulide (bén'súl id)	<i>O</i> , <i>O</i> -diisopropyl phosphorodithioate <i>S</i> -ester with <i>N</i> -(2-mercaptoethyl) benzenesulfonamide	mecoprop (méc'ō próp)	2-[(4-chloro- <i>o</i> -tolyl)oxy]propionic acid
benzadox (bén'zúh dōx)	(benzamidooxy)acetic acid	metham (mèth'ám)	sodium methylthiocarbamate
bromacil (brō'má síl)	5-bromo-3- <i>sec</i> -butyl-6-methyluracil	metobromuron (mèt'ō brom'ū rōn)	3-( <i>p</i> -bromophenyl)-1-methoxy-1-methylurea
bromoxynil (brō mōx'ý níl)	3,5-dibromo-4-hydroxybenzonitrile	MH	1,2-dihydro-3,6-pyridazinedione
butachlor (byút'á klōr)	<i>N</i> -(butoxymethyl)-2-chloro-2',6'- diethylacetanilide	molinate (mō'lí nái)	<i>S</i> -ethyl hexahydro-1 <i>H</i> -azepine-1-carbothioate
buturon (bū'tú rōn)	3-( <i>p</i> -chlorophenyl)-1-methyl-1-(1-methyl-2- propynyl)urea	monolinuron (mōn'ō lín'ū rōn)	3-( <i>p</i> -chlorophenyl)-1-methoxy-1-methylurea
butylate (bū'tí lá)	<i>S</i> -ethyl diisobutylthiocarbamate	monuron (mōn'ū rōn)	3-( <i>p</i> -chlorophenyl)-1,1-dimethylurea mono(trichloroacetate)
<b>C</b>		monuronTCA	monosodium methanearsonate
cacodylic acid (cá'cō dýl'íc)	hydroxydimethylarsine oxide	<b>MSMA</b>	
carbetamide (cār bét'í mide)	<i>D</i> , <i>N</i> -ethylacetamide carbanilate (ester)	<b>N</b>	
CDA	<i>N</i> , <i>N</i> -diallyl-2-chloroacetamide	naptalam (náp'tá lám)	<i>N</i> -1-naphthylphthalamic acid
CDEA	2-chloro- <i>N</i> , <i>N</i> -diethylacetamide	neburon (nēb'ū rōn)	1-butyl-3-(3,4-dichlorophenyl)-1-methylurea
CDEC	2-chloroallyl diethylthiocarbamate	nitralin (ní'trá lín)	4-(methylsulfonyl)-2,6-dinitro- <i>N</i> , <i>N</i> - dipropylaniline
chloramben (klōr ám'bén)	3-amino-2,5-dichlorobenzoic acid	nitrofen (ní'trō fén)	2,4-dichlorophenyl <i>p</i> -nitrophenyl ether
chlorazinc (klō'rá zēn)	2-chloro-4,6-bis(diethylamino)- <i>s</i> -triazine	norea (nō rē'uh)	3-(hexahydro-4,7-methanoindan-5-yl)-1,1- dimethylurea
chlorbromuron (klōr' brōm ū ron)	3-(4-bromo-3-chlorophenyl)-1- methoxy-1-methylurea	<b>NPA (see naptalam)</b>	
chloroxuron (klō rōx'ū rōn)	3- <i>p</i> -( <i>p</i> -chlorophenoxy)phenyl]-1,1-dimethyl = urea	<b>O</b>	
chlorpropham (clōr prō'fām)	isopropyl <i>m</i> -chlorocarbanilate	oryzalin (ō rí' zá lín)	3,5-dinitro- <i>N</i> , <i>N</i> -dipropylsulfanilamide
CIPC (see chlorpropham)		<b>P</b>	
CMA	calcium methanearsonate	paraquat (pár' á kwát)	1,1'-dimethyl-4,4'-bipyridinium ion
cycloate (sý'clō át)	<i>S</i> -ethyl <i>N</i> -ethylthiocyclohexanecarbamate	PBA	chlorinated benzoic acid
cycluron (sý'klū rōn)	3-cyclooctyl-1,1-dimethylurea	PCP	pentachlorophenol
cyprazine (sí'prá zēn)	2-chloro-4-(cyclopropylamino)-6- (isopropylamino)- <i>s</i> -triazine	pebulate (pēb'ū lá)	<i>S</i> -propyl butylethylthiocarbamate
cypromid (sý'prō míd)	3',4'-dichlorocyclopropanecarboxanilide	phenmedipham (fēn mēd'í fām)	methyl <i>m</i> -hydroxycarbanilate <i>m</i> -methylcar = banilate
<b>D</b>		picloram (pic'lōr ám)	4-amino-3,5,6-trichloropicolinic acid
dalapon (dál'á pōn)	2,2-dichloropropionic acid	PMA	(acetato)phenylmercury
dazomet (dáz'ō mēt)	tetrahydro-3,5-dimethyl-2 <i>H</i> -1,3,5-thiadiazine- 2-thione	prometone (prō'mē tōn)	2,4-bis(isopropylamino)-6-methoxy- <i>s</i> -triazine
DCPA	dimethyl tetrachloroterephthalate	prometryne (prō'mě trín)	2,4-bis(isopropylamino)-6-(methylthio)- <i>s</i> - triazine
DCU	1,3-bis(2,2,2-trichloro-1-hydroxyethyl)urea	pronamide (prōn'á mīde)	<i>N</i> -(1,1-dimethylpropynyl)-3,5- dichlorobenzamide
delachlor (dēl á klōr')	2-chloro- <i>N</i> -(isobutoxymethyl)-2',6'- acetoxylidide	propachlor (prō'pá clōr)	2-chloro- <i>N</i> -isopropylacetanilide
desmetryne (dēs'mě trín)	2-(isopropylamino)-4-(methylamino)-6- (methylthio)- <i>s</i> -triazine	propanil (prō'pá níl)	3',4'-dichloropropionanilide
diallate (dí'ál lá)	<i>S</i> -(2,3-dichloroallyl) diisopropylthiocarbamate	propazine (prō'pá zēn)	2-dichloro-4,6-bis(isopropylamino)- <i>s</i> -triazine
dicamba (dí kám'bá)	3,6-dichloro- <i>o</i> -anisic acid	propham (prō' fām)	isopropyl carbanilate
dichlobenil (dí'clō bēn'íl)	2,6-dichlorobenzonitrile	prynachlor (prín'á klōr)	2-chloro- <i>N</i> -(1-methyl-2-propynyl) = acetanilide
dichlormate (dí'clōr mātē)	3,4-dichlorobenzyl methylcarbamate	pyrazon (pí'rá zōn)	5-amino-4-chloro-2-phenyl-3(2 <i>H</i> )-pyridazinone
dichlorprop (dí'clōr próp)	2-(2,4-dichlorophenoxy)propionic acid	pyriclor (pí'rí clōr)	2,3,5-trichloro-4-pyridinol
dicryl (dí'críl)	3',4'-dichloro-2-methylacrylanilide	<b>S</b>	
dinosam (dí'nō sām)	2-(1-methylbutyl)-4,6-dinitrophenol	sesone (sēs'ōn)	2-(2,4-dichlorophenoxy)ethyl sodium sulfate
dinoseb (dí'nō sēb)	2- <i>sec</i> -butyl-4,6-dinitrophenol	siduron (síd'ū rōn)	1-(2-methylcyclohexyl)-3-phenylurea
diphenamid (dí fēn'á míd)	<i>N</i> , <i>N</i> -dimethyl-2,2-diphenylacetamide	silvex (síl'vēks)	2-(2,4,5-trichlorophenoxy)propionic acid
diquat (dí'kwát)	6,7-dihydrodipyrido[1,2- <i>a</i> :2',1'- <i>c</i> ]pyrazinedi = ium ion	simazine (sím'á zēn)	2-chloro-4,6-bis(ethylamino)- <i>s</i> -triazine
diuron (dí'ū rōn)	3-(3,4-dichlorophenyl)-1,1-dimethylurea	simetone (sím'ē tōn)	2,4-bis(ethylamino)-6-methoxy- <i>s</i> -triazine
DMTT (see dazomet)		simetryne (sím'ě trín)	2,4-bis(ethylamino)-6-(methylthio)- <i>s</i> -triazine
DNAP (see dinosam)		SMDC (see metham)	
DNBP (see dinoseb)		solan (sō'lán)	3'-chloro-2-methyl- <i>p</i> -valeroluidide
DNC (see DNOC)		swep (swēp)	methyl 3,4-dichlorocarbanilate
DNOC	4,6-dinitro- <i>o</i> -cresol	<b>T</b>	
DSMA	disodium methanearsonate	terbacil (tēr'bá cíl)	3- <i>tert</i> -butyl-5-chloro-6-methyluracil
<b>E</b>		terbutol (tēr'bū tōl)	2,6-di- <i>tert</i> -butyl- <i>p</i> -tolyl methylcarbamate
endothall (én'dō thāl)	7-oxabicyclo[2.2.1]heptane-2,3-dicarboxylic acid	terbutryn (tēr'bū trín)	2-( <i>tert</i> -butylamino)-4- (ethylamino)-6- (methylthio)- <i>s</i> - triazine
EPTC	<i>S</i> -ethyl dipropylthiocarbamate	<b>TCA</b>	trichloroacetic acid
erbon (ēr'bōn)	2-(2,4,5-trichlorophenoxy)ethyl 2,2-dichloro = propionate	triallate (trí' ál lá)	<i>S</i> -(2,3,3-trichloroallyl)
EXD	<i>O</i> , <i>O</i> -diethyl dithiobis[thioformate]	tricamba (trí cām'bá)	diisopropylthiocarbamate
<b>F</b>		trietazine (trí ēt'á zēn)	3,5,6-trichloro- <i>o</i> -anisic acid
fenac (fēn'ác)	(2,3,6-trichlorophenyl)acetic acid	trifluralin (trí flūr'á lín)	2-chloro-4-(diethylamino)-6-(ethylamino)- <i>s</i> - triazine
fenuron (fēn'ū rōn)	1,1-dimethyl-3-phenylurea	trifluralin (trí flūr'á lín)	<i>o</i> , <i>o</i> , <i>o</i> -trifluoro-2,6-dinitro- <i>N</i> , <i>N</i> -dipropyl- <i>p</i> - toluidine
fenuronTCA	1,1-dimethyl-3-phenylurea mono(trichloro = acetate)	trimeturon (trí mēt'ū rōn)	1-( <i>p</i> -chlorophenyl)-2,3,3-trimethylpseudourea
fluometuron (flū ō mēt'ū rōn)	1,1-dimethyl-3-( <i>o</i> , <i>o</i> , <i>o</i> -trifluoro- <i>m</i> -tolyl)urea	2,3,6-TBA <sup>c</sup>	2,3,6-trichlorobenzoic acid
fluorodifen (flūr ō dí'fēn)	<i>p</i> -nitrophenyl <i>o</i> , <i>o</i> , <i>o</i> -trifluoro-2- tolyl ether	2,4-D	(2,4-dichlorophenoxy)acetic acid
<b>H</b>		2,4-DB	4-(2,4-dichlorophenoxy)butyric acid
HCA	1,1,1,3,3,3-hexachloro-2-propanone	2,4-DEB	2-(2,4-dichlorophenoxy)ethyl benzoate
hexaflurate (hēx'á flōr'áte)	potassium hexafluoroarsenate	2,4-DEP	tris[2-(2,4-dichlorophenoxy)ethyl] phosphite
<b>I</b>		2,4-DP (see dichlorprop)	
ioxynil (í ōx'ý níl)	4-hydroxy-3,5-diiodobenzonitrile	2,4,5-T	(2,4,5-trichlorophenoxy)acetic acid
ipazine (íp'á zēn)	2-chloro-4-(diethylamino)-6-(isopropylamino)- <i>s</i> -triazine	2,4,5-TES	sodium 2-(2,4,5-trichlorophenoxy)ethyl sulfate
IPC (see propham)		<b>V</b>	
isocil (í'sō síl)	5-bromo-3-isopropyl-6-methyluracil	vernolate (vēr'nō lát)	<i>S</i> -propyl dipropylthiocarbamate
isopropalin (í'sōprō'pá lín)	2,6-dinitro- <i>N</i> , <i>N</i> -dipropylcumidine		

<sup>a</sup>Herbicides no longer in use in USA are omitted. Complete listing, including these, is in WEEDS 14(4), 1966.

<sup>b</sup>As tabulated in this paper, a chemical name occupying two lines separated by an equal (=) sign is joined together without any separation if written on one line.

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