

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 14:347-386, 1966; standard taxonomic authorities should be used as a guide in selection of terminology for other plants 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., (10⁻⁴M). 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^a

Common Name or Designation	Chemical Name ^b	Common Name or Designation	Chemical Name ^b
A		K	
acrolein (á krô'le ín)	acrolein	karbutilate (kar byút'1 át)	<i>tert</i> -butylcarbamic acid ester with 3-(<i>m</i> -hydroxyphenyl)-1,1-dimethylurea
alachlor (ál'á clôr)	2-chloro-2',6'-diethyl- <i>N</i> -(methoxymethyl) acetanilide	KOCN	potassium cyanate
ametryne (ám'ê trin)	2-(ethylamino)-4-(isopropylamino)-6-(methylthio)- <i>s</i> -triazine	L	
amiben (see chloramben)		lenacil (lên'á cýl)	3-cyclohexyl-6,7-dihydro-1 <i>H</i> -cyclopenta = pyrimidine-2,4(3 <i>H</i> ,5 <i>H</i>)-dione
amitrole (ám'y trôl)	3-amino- <i>s</i> -triazole	linuron (lín'ũ rôn)	3-(3,4-dichlorophenyl)-1-methoxy-1-methylurea
AMS	ammonium sulfamate	M	
asulam (ás' ũ -ám)	methyl sulfanilylcarbamate	MAA	methanearsonic acid
atratone (á'trá tôn)	2-(ethylamino)-4-(isopropylamino)-6-methoxy- <i>s</i> -triazine	MAMA	monoammonium methanearsonate
atrazine (á'trá zên)	2-chloro-4-(ethylamino)-6-(isopropylamino)- <i>s</i> -triazine	MCPA	[(4-chloro- <i>o</i> -tolyl)oxy]acetic acid
B		MCPB	4-[(4-chloro- <i>o</i> -tolyl)oxy]butyric acid
barban (bâr'bân)	4-chloro-2-butynyl <i>m</i> -chlorocarbanilate	MCPES	2-[(4-chloro- <i>o</i> -tolyl)oxy]ethyl sodium sulfate
benefin (bên'ê fín)	<i>N</i> -butyl- <i>N</i> -ethyl- <i>a</i> , <i>a</i> , <i>a</i> -trifluoro-2,6-dinitro- <i>p</i> -toluidine	MCPP (see mecoprop)	
bensulide (bên'sül id)	<i>O</i> , <i>O</i> -diisopropyl phosphorodithioate <i>S</i> -ester with <i>N</i> -(2-mercaptoethyl)benzenesulfonamide	mecoprop (mêc'ô prôp)	2-[(4-chloro- <i>o</i> -tolyl)oxy]propionic acid
bentazon	(bên'tá zôn) 3-isopropyl-1 <i>H</i> -2,1,3-benzothiadiazin-(4)3 <i>H</i> -one 2,2-dioxide (benzamidooxy)acetic acid	metham (mêth'âm)	sodium methylthiocarbamate
benzadox (bên'zuh dôx)	5-bromo-3- <i>sec</i> -butyl-6-methyluracil	methazole (mêth'-á-zôl)	2-(3,4-dichlorophenyl)-4-methyl-1,2,4-oxadiazolidine-3,5-dione
bromacil (brô'má sýl)	3,5-dibromo-4-hydroxybenzoxitrile	metobromuron (mêt'ô brom'ũ rôn)	3-(<i>p</i> -bromophenyl)-1-methoxy-1-methylurea
bromoxynil (brô môx'y nýl)	<i>N</i> -(butoxymethyl)-2-chloro-2',6'-diethylacetanilide	metribuzin (mê-trí-bu'-zín)	4-amino-6- <i>tert</i> -butyl-3-(methylthio)- <i>s</i> -triazin-5(4 <i>H</i>)one
butachlor (byút'a klôr)	3-(<i>p</i> -chlorophenyl)-1-methyl-1-(1-methyl-2-propynyl)urea	MH	1,2-dihydro-3,6-pyridazinone
buturon (bũ'tũ rôn)	<i>S</i> -ethyl diisobutylthiocarbamate	molinate (mô'lý nât)	5-ethyl hexahydro-1 <i>H</i> -azepine-1-carbothioate
butylate (bũ'tý lát)		monolinuron (môn'ô lín'ũ rôn)	3-(<i>p</i> -chlorophenyl)-1-methoxy-1-methylurea
C		monuron (môn'ũ rôn)	3-(<i>p</i> -chlorophenyl)-1,1-dimethylurea
cadicylic acid (cá'cô dýl'ýc)	hydroxydimethylarsine oxide	monuronTCA	3-(<i>p</i> -chlorophenyl)-1,1-dimethylurea mono(trichloroacetate)
carbetamide (câr bê'té á mide)	<i>D</i> , <i>N</i> -ethylacetamide carbanilate (ester)	MSMA	monosodium methanearsonate
CDA	<i>N</i> , <i>N</i> -diallyl-2-chloroacetamide	N	
CDEC	2-chloroallyl diethylthiocarbamate	naptalam (náp'tá lám)	<i>N</i> -1-naphthylphthalamic acid
chloramben (klôr ám'bên)	3-amino-2,5-dichlorobenzoic acid	neburon (nêb'ũ rôn)	1-butyl-3-(3,4-dichlorophenyl)-1-methylurea
chlorazone (klô'rá zên)	2-chloro-4,6-bis(diethylamino)- <i>s</i> -triazine	nitralin (ní'trá lín)	4-(methylsulfonyl)-2,6-dinitro- <i>N</i> , <i>N</i> -dipropylaniline
chlorbromuron(klôr' brôm u rôn)	3-(4-bromo-3-chlorophenyl)-1-methoxy-1-methylurea	nitrofen (ní'trô fên)	2,4-dichlorophenyl <i>p</i> -nitrophenyl ether
chloroxuron (klô rôx'ũ rôn)	3- <i>p</i> -(<i>p</i> -chlorophenoxy)phenyl]-1,1-dimethyl = urea	noea (nô rê'uh)	3-(hexahydro-4,7-methanoindan-5-yl)-1,1-dimethylurea
chlorpropham (clôr prô'fám)	isopropyl <i>m</i> -chlorocarbanilate	NPA (see naptalam)	
CIPC (see chlorpropham)		O	
CMA	calcium methanearsonate	oryzalin (ô rý' zá lín)	3,5-dinitro- <i>N</i> ⁴ , <i>N</i> ⁴ -dipropylsulfanilamide
cyanazine (ci-án'-á-zên)	2-[4-chloro-6-(ethylamino)- <i>s</i> -triazin-2-yl]amino-2-methylpropionitrile	P	
cycoate (sý'clô át)	<i>S</i> -ethyl <i>N</i> -ethylthiocyclohexanecarbamate	paraquat (pâr' á kwát)	1,1'-dimethyl-4,4'-bipyridinium ion
cycluron (sý'klũ rôn)	3-cyclooctyl-1,1-dimethylurea	PBA	chlorinated benzoic acid
cyprazine (sí'prá zêén)	2-chloro-4-(cyclopropylamino)-6-(isopropylamino)- <i>s</i> -triazine	PCP	pentachlorophenol
cypromid (sý'prô mýd)	3',4'-dichlorocyclopropanecarboxanilide	pebulate (pêb'ũ lát)	5-propyl butylethylthiocarbamate
D		phenmedipham (fên mêt'dí fám)	methyl <i>m</i> -hydroxycarbanilate <i>m</i> -methylcar = banilate
dalapon (dál'á pôn)	2,2-dichloropropionic acid	picloram (píc'lôr ám)	4-amino-3,5,6-trichloropicolinic acid
dazomet (dá'zô mêt)	tetrahydro-3,5-dimethyl-2 <i>H</i> -1,3,5-thiadiazine-2-thione	PMA	(acetato)phenylmercury
DCPA	dimethyl tetrachloroterephthalate	prometone (prô'mê tôn)	2,4-bis(isopropylamino)-6-methoxy- <i>s</i> -triazine
DCU	1,3-bis(2,2,2-trichloro-1-hydroxyethyl)urea	prometryne (prô'mê'trín)	2,4-bis(isopropylamino)-6-(methylthio)- <i>s</i> -triazine
delachlor (dêl á klôr')	2-chloro- <i>N</i> -(isobutoxymethyl)-2',6'-acetoxylidide	pronamide (prôn'á mide)	<i>N</i> -(1,1-dimethylpropynyl)-3,5-dichlorobenzamide
desmetryne (dês'mê trin)	2-(isopropylamino)-4-(methylamino)-6-(methylthio)- <i>s</i> -triazine	propachlor (prô'pá clôr)	2-chloro- <i>N</i> -isopropylacetanilide
diallate (dí'ál lát)	5-(2,3-dichloroallyl) diisopropylthiocarbamate	propanil (prô'pá nýl)	3',4'-dichloropropionanilide
dicamba (dí kám'bá)	3,6-dichloro- <i>o</i> -anisic acid	propazine (prô'pá zên)	2-chloro-4,6-bis(isopropylamino)- <i>s</i> -triazine
dichlobenil (dí'clô bôn'ýl)	2,6-dichlorobenzonitrile	propham (prô'fám)	isopropyl carbanilate
dichlormate (dí chlôr mâte)	3,4-dichlorobenzyl methylcarbamate	prynachlor (prin'á klôr)	2-chloro- <i>N</i> -(1-methyl-2-propynyl) = acetanilide
dichlorprop (dí'clôr prôp)	2-(2,4-dichlorophenoxy)propionic acid	pyrazon (pí'rá zôn)	5-amino-4-chloro-2-phenyl-3(2 <i>H</i>)-pyridazinone
dicryl (dí'crýl)	3',4'-dichloro-2-methylacrylanilide	pyriclor (pí'rí clôr)	2,3,5-trichloro-4-pyridinol
dinitramine (dí-ní'-trá-mên)	<i>N</i> ⁴ , <i>N</i> ⁴ -diethyl- <i>a</i> , <i>a</i> , <i>a</i> -trifluoro-3,5-dinitrotoluene-2,4-diamine	S	
dinosam (dí'nô sám)	2-(1-methylbutyl)-4,6-dinitrophenol	sesone (sês'ôn)	2-(2,4-dichlorophenoxy)ethyl sodium sulfate
dinoseb (dí'nô sêb)	2- <i>sec</i> -butyl-4,6-dinitrophenol	siduron (sí'dũ rôn)	1-(2-methylcyclohexyl)-3-phenylurea
diphenamid (dí fên'á mýd)	<i>N</i> , <i>N</i> -dimethyl-2,2-diphenylacetamide	silvex (sílv'êks)	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 (sí'm'á zên)	2-chloro-4,6-bis(ethylamino)- <i>s</i> -triazine
diuron (dí'ũ rôn)	3-(3,4-dichlorophenyl)-1,1-dimethylurea	simetone (sí'm'ê tôn)	2,4-bis(ethylamino)-6-methoxy- <i>s</i> -triazine
DMTT (see dazomet)		simetryne (sí'm'ê trin)	2,4-bis(ethylamino)-6-(methylthio)- <i>s</i> -triazine
DNAP (see dinosam)		SMDC (see metham)	
DNBP (see dinoseb)		solon (sô'lân)	3'-chloro-2-methyl- <i>p</i> -valerotoluidide
DNC (see DNOC)		swep (swêp)	methyl 3,4-dichlorocarbanilate
DNOC	4,6-dinitro- <i>o</i> -cresol	T	
DSMA	disodium methanearsonate	terbacil (têr'bá cýl)	3- <i>tert</i> -butyl-5-chloro-6-methyluracil
E		terbutol (têr'bũ tól)	2,6-di- <i>tert</i> -butyl- <i>p</i> -tolyl methylcarbamate
endothall (ên'dô thál)	7-oxabicyclo[2.2.1]heptane-2,3-dicarboxylic acid	terbutryn (têr'bũ trin)	2-(<i>tert</i> -butylamino)-4-(ethylamino)-6-(methylthio)- <i>s</i> -triazine
EPTC	5-ethyl dipropylthiocarbamate	TCA	trichloroacetic acid
erbon (êr'bôn)	2-(2,4,5-trichlorophenoxy)ethyl 2,2-dichloro = propionate	triallate (trí'ál lát)	<i>S</i> -(2,3,3-trichloroallyl) diisopropylthiocarbamate
EXD	<i>O</i> , <i>O</i> -diethyl dithiobis[thioformate]	tricamba (trí cám'bá)	3,5,6-trichloro- <i>o</i> -anisic acid
F		triazazine (trí êt'á zên)	2-chloro-4-(diethylamino)-6-(ethylamino)- <i>s</i> -triazine
fenac (fên'ác)	(2,3,6-trichlorophenyl)acetic acid	trifluralin (trí flũr'á lín)	<i>a</i> , <i>a</i> , <i>a</i> -trifluoro-2,6-dinitro- <i>N</i> , <i>N</i> -dipropyl- <i>p</i> -toluidine
fenuron (fên'ũ rôn)	1,1-dimethyl-3-phenylurea	trimeturon (trí mêt'ũ rôn)	1-(<i>p</i> -chlorophenyl)-2,3,3-trimethylpseudourea
fenuronTCA	1,1-dimethyl-3-phenylurea mono(trichloro = acetate)	2,3,6-TBA ^a	2,3,6-trichlorobenzoic acid
fluometuron (flũ ô mêt'ũ rôn)	1,1-dimethyl-3-(<i>a</i> , <i>a</i> , <i>a</i> -trifluoro- <i>m</i> -tolyl)urea	2,4-D	(2,4-dichlorophenoxy)acetic acid
fluorodifen (flũr ô dí'fên)	<i>p</i> -nitrophenyl <i>a</i> , <i>a</i> , <i>a</i> -trifluoro-2-nitro- <i>p</i> -tolyl ether	2,4-DB	4-(2,4-dichlorophenoxy)butyric acid
H		2,4-DEB	2-(2,4-dichlorophenoxy)ethyl benzoate
HCA	1,1,1,3,3,3-hexachloro-2-propanone	2,4-DEP	tris[2-(2,4-dichlorophenoxy)ethyl] phosphite
hexaflurate (hêx' á flôor'áte)	potassium hexafluoroarsenate	2,4-DP (see dichlorprop)	
I		2,4,5-T	(2,4,5-trichlorophenoxy)acetic acid
ioxynil (i ôx'y nýl)	4-hydroxy-3,5-diiodobenzonitrile	2,4,5-TES	sodium 2-(2,4,5-trichlorophenoxy)ethyl sulfate
ipazine (íp'á zên)	2-chloro-4-(diethylamino)-6-(isopropylamino)- <i>s</i> -triazine	V	
IPC (see propham)		vernolate (vêr'nô lát)	<i>S</i> -propyl dipropylthiocarbamate
isocil (í'sô síl)	5-bromo-3-isopropyl-6-methyluracil		
isopropalin (í'sôprô'pa lín)	2,6-dinitro- <i>N</i> , <i>N</i> -dipropylurea		

^aHerbicides no longer in use in USA are omitted. Complete listing, including these, is in WEEDS 14(4), 1966.

^bAs 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.

^cThis 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.