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nicosulfuron

Accent 1, 65, 95, 97, 111, 113, 115, 117, 151, 157, 159, 168, 181, 241, 250

nicosulfuron&atrazine&rimsulfuron

Basis Gold 95, 97, 123, 130, 135, 139, 241, 250

nicosulfuron&dicamba&San 1269H

Celebrity Plus 123, 135, 139, 250, 256

nicosulfuron&rimsulfuron

Steadfast 70, 75, 77, 79, 86, 87, 93, 95, 97, 100, 103, 106, 108, 123, 130, 135, 139, 144, 159, 162, 168, 173, 175, 246, 248, 250, 305

nicosulfuron&rimsulfuron&clopyralid&flumetsulam

Accent Gold 70, 75, 77, 79, 159, 165, 173, 175, 250

norflurazon

Zorial 23

paraquat

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Prowl 6, 9, 63, 65, 202, 212, 215, 217, 221, 223, 269

Prowl H2O 65, 188, 190, 192, 194, 212, 221, 264, 269

pendimethalin&imazethapyr

Pursuit Plus 6, 9, 221, 264

primisulfuron

Beacon 84, 95

primisulfuron&CGA-152005

Spirit 81, 123, 130, 135, 139, 159

primisulfuron&dicamba

NorthStar 70, 75, 77, 79, 81, 93, 100, 126, 128, 173, 175

quinclorac

Paramount 55, 57

quizalofop-P

Assure II 6, 61, 188, 190, 192, 194, 215, 217

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Matrix 12

rimsulfuron&clopyralid&flumetsulam&nicosulfuron

Accent Gold 70, 75, 77, 79, 159, 165, 173, 175, 250

rimsulfuron&nicosulfuron

Steadfast 70, 75, 77, 79, 86, 87, 93, 95, 97, 100, 103, 106, 108, 123, 130, 135, 139, 144, 159, 162, 168, 173, 175, 246, 248, 250, 305

rimsulfuron&nicosulfuron&atrazine

Basis Gold 95, 97, 123, 130, 135, 139, 241, 250

rimsulfuron&thifensulfuron

Basis 235, 239, 246, 248

S-3153 142

s-metolachlor&atrazine&CGA-154281

Bicep II Magnum 53, 55, 57, 72, 81, 83, 108, 117, 123, 130, 133, 135, 139, 157, 159, 162, 168, 181, 237, 241, 246, 253

s-metolachlor&atrazine&mesotrione&CGA-154281

Lumax 81, 83, 86, 113, 115, 117, 157, 181, 253

s-metolachlor&CGA-154281

Dual II Magnum 1, 6, 55, 57, 61, 68, 70, 75, 77, 79, 95, 97, 106, 113, 123, 126, 128, 130, 133, 135, 139, 153, 162, 165, 168, 173, 175, 198, 202, 241, 246, 248

s-metolachlor&mesotrione&CGA-154281

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s-metolachlor&metribuzin

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San 1269H&dicamba

Distinct 1, 70, 75, 77, 79, 81, 87, 91, 93, 95, 97, 100, 103, 108, 113, 119, 121, 123, 126, 128, 130, 135, 139, 144, 147, 151, 155, 159, 162, 168, 173, 175, 177, 250, 256

San 1269H&nicosulfuron&dicamba

Celebrity Plus 123, 135, 139, 250, 256

sethoxydim

Poast 9

Poast Plus 23

sethoxydim+bentazon

Rezult (co-pac) 183

simazine

Princep 239, 248, 258

sulfentrazone

Authority 6, 21, 61, 184, 188, 190, 192, 194, 196, 198, 202, 204, 212, 215, 217, 219, 223, 262, 264

Spartan 9, 12, 63, 65

sulfentrazone&chlorimuron

Canopy XL 198, 202, 260, 262

sulfentrazone+clomazone

Command Xtra (co-pac) 212, 260

sulfentrazone+cloransulam

Guantlet (co-pac) 188, 190, 192, 194

thifensulfuron

Harmony GT 31, 33, 60, 61, 65, 188, 190, 192, 194, 206, 208, 215, 217, 219, 235, 262

thifensulfuron&rimsulfuron

Basis 235, 239, 246, 248

thifensulfuron&tribenuron

Harmony Extra 39, 43, 46, 48, 49, 50, 60, 65, 262

triasulfuron

Amber 46

triasulfuron&dicamba

Rave 46

tribenuron

Express 46, 65, 239, 260

tribenuron&thifensulfuron

Harmony Extra 39, 43, 46, 48, 49, 50, 60, 65, 262

trifluralin

Treflan 6, 21, 61

ABBREVIATIONS FOR HERBACEOUS WEEDS

The common names, botanical names and five-letter WSSA computer codes, for weeds correspond to the WSSA *Composite List Of Weeds*, Revised 1989. Abbreviations are designed primarily for use in tables to save space. Their use is optional, but if used they must conform to the abbreviations given in this list or in the WSSA *Composite List Of Weeds*, Revised 1989. In text, use common names only, and no abbreviations.

<u>Common Name</u>	<u>Botanical Name</u>	<u>Five-letter Code</u>
amaranth, Palmer	Amaranthus palmeri	AMAPA
amaranth, Powell	Amaranthus powellii	AMAPO
amaranth, spiny	Amaranthus spinosus	AMASP
barley, little	Hordeum pusillum	HORPU
barnyardgrass	Echinochloa crus-galli	ECHCG
bindweed, hedge	Calystegia sepium	CAGSE
bluegrass, annual	Poa annua	POAAN
broadleaves, annual		ANNBR
brome, downy	Bromus tectorum	BROTE
brome, Japanese	Bromus japonicus	BROJA
buckwheat, wild	Polygonum convolvulus	POLCO
burreed, giant	Sparganium eurycarpum	SPGEU
buttercup, smallflower	Ranunculus abortivus	RANAB
campion, white	Silene alba	MELAL
canola	Brassica napus	BRSNS
carpetweed	Mollugo verticillata	MOLVE
cheat	Bromus secalinus	BROSE
chickweed, mouseear	Cerastium vulgatum	CERVU
chickweed, common	Stellaria media	STEME
clover, white	Trifolium repens	TRFRE
cocklebur, common	Xanthium strumarium	XANST
copperleaf, Virginia	Acalypha Virginica	ACCVI
corn, volunteer	Zea mays	ZEAMX
crabgrass, smooth	Digitaria ischaemum	DIGIS
crabgrass, large	Digitaria sanguinalis	DIGSA
cupgrass, woolly	Eriochloa villosa	ERBVI
dandelion	Taraxacum officinale	TAROF
deadnettle, purple	Lamium purpureum	LAMPU
dock, curly	Rumex crispus	RUMCR
flax, volunteer	Linum usitatissimum	LINUX
fleabane, rough	Erigeron strigosus	ERIST
flixweed	Descurainia sophia	DESSO
foxtail, green	Setaria viridis	SETVI
foxtail, species	Setaria species	SETSS
foxtail, Carolina	Alopecurus carolinianus	ALOCA
foxtail, yellow	Setaria glauca	SETLU
foxtail, giant	Setaria faberi	SETFA
galinsoga, smallflower	Galinsoga parviflora	GASPA
garlic, wild	Allium vineale	ALLVI
grasses, annual		GGGAN
henbit	Lamium amplexicaule	LAMAM
horseradish	Armoracia rusticana	ARWLA
horseweed	Conyza canadensis	ERICA
johnsongrass	Sorghum halepense	SORHA

<u>Common Name</u>	<u>Botanical Name</u>	<u>Five-letter Code</u>
kochia	Kochia scoparia	KCHSC
ladysthumb	Polygonum persicaria	POLPE
lambsquarters, common	Chenopodium album	CHEAL
lettuce, prickly	Latua serriola	LACSE
mallow, common	Malva neglecta	MALNE
mallow, Venice	Hibiscus trionum	HIBTR
marestail	Hippuris vulgaris L.	HPPVU
marshelder	Iva xanthifolia	IVAXA
milkweed, common	Asclepias syriaca	ASCSY
millet, wild-proso	Panicum miliaceum	PANMI
morningglory, tall	Ipomoea purpurea	PHBPU
morningglory, species	Ipomoea	IPOSS
morningglory, pitted	Ipomoea lacunosa	IPOLA
morningglory, ivyleaf	Ipomoea hederacea	IPOHE
mustard, tansy	Descurainia pinnata	DESPI
mustard, wild	Brassica kaber	SINAR
nightshade, eastern black	Solanum ptycanthum	SOLPT
nutsedge, yellow	Cyperus esculentus	CYPES
oat, wild	Avena fatua	AVEFA
panicum, fall	Panicum dichotomiflorum	PANDI
pennycress, field	Thlaspi arvense	THLAR
pennycress, field	Thlaspi arvense	THLAR
pepperweed, field	Lepidium campestre	LEPCA
pigweed, prostrate	Amaranthus blitoides	AMABL
pigweed, species	Amaranthus species	AMASS
pigweed, smooth	Amaranthus hybridus	AMACH
pigweed, redroot	Amaranthus retroflexus	AMARE
pokeweed, common	Phytolacca americana	PHTAM
quackgrass	Elytrigia repens	AGRRE
ragweed, giant	Ambrosia trifida	AMBTR
ragweed, common	Ambrosia artemisiifolia	AMBEL
rocket, yellow	Barbarea vulgaris	BARVU
rye	Secale cereale	SECLE
ryegrass, Italian	Lolium multiflorum	LOLMU
shattercane	Sorghum bicolor	SORVU
shepherds-purse	Capsella bursa-pastoris	CAPBP
sida, prickly	Sida spinosa	SIDSP
smartweed, Pennsylvania	Polygonum pensylvanicum	POLPY
sowthistle, perennial	Sonchus arvensis	SONAR
star-of-Bethlehem	Ornithogalum umbellatum	OTGUM
sunflower, common	Helianthus annuus	HELAN
thistle, Canada	Cirsium arvense	CIRAR
thistle, Russian	Salsola iberica	SASKR
velvetleaf	Abutilon theophrasti	ABUTH
wallflower, bushy	Erysimum repandum	ERYRE
waterhemp, tall	Amaranthus tuberculatus	AMATU
waterhemp, common	Amaranthus rudis	AMATA
waterplantain, common	Alisma plantago-aquatica	ALSPA

Five-letter Code

ABUTH
ACCVI
AGRRE
ALLVI
ALOCA
ALSPA
AMABL
AMACH
AMAPA
AMAPO
AMARE
AMASP
AMASS
AMATA
AMATU
AMBEL
AMBTR
ANNBR
ARWLA
ASCSY
AVEFA
BARVU
BROJA
BROSE
BROTE
BRSNS
CAGSE
CAPBP
CERVU
CHEAL
CIRAR
CYPES
DESPI
DESSO
DIGIS
DIGSA
ECHCG
ERBVI
ERICA
ERIST
ERYRE
GASPA
GGGAN
HELAN
HIBTR
HORPU
HPPVU
IPOHE
IPOLA
IPOSS
IVAXA
KCHSC

Common Name

velvetleaf
copperleaf, Virginia
quackgrass
garlic, wild
foxtail, Carolina
waterplantain, common
pigweed, prostrate
pigweed, smooth
amaranth, Palmer
amaranth, Powell
pigweed, redroot
amaranth, spiny
pigweed, species
waterhemp, common
waterhemp, tall
ragweed, common
ragweed, giant
broadleaves, annual
horseradish
milkweed, common
oat, wild
rocket, yellow
brome, Japanese
cheat
brome, downy
canola
bindweed, hedge
shepherds-purse
chickweed, mouseear
lambsquarters, common
thistle, Canada
nutsedge, yellow
mustard, tansy
flixweed
crabgrass, smooth
crabgrass, large
barnyardgrass
cupgrass, woolly
horseweed
fleabane, rough
wallflower, bushy
galinsoga, smallflower
grasses, annual
sunflower, common
mallow, Venice
barley, little
marestail
morningglory, ivyleaf
morningglory, pitted
morningglory, species
marshelder
kochia

Botanical Name

Abutilon theophrasti
Acalypha Virginica
Elytrigia repens
Allium vineale
Alopecurus carolinianus
Alisma plantago-aquatica
Amaranthus blitoides
Amaranthus hybridus
Amaranthus palmeri
Amaranthus powellii
Amaranthus retroflexus
Amaranthus spinosus
Amaranthus species
Amaranthus rudis
Amaranthus tuberculatus
Ambrosia artemisiifolia
Ambrosia trifida

Armoracia rusticana
Asclepias syriaca
Avena fatua
Barbarea vulgaris
Bromus japonicus
Bromus secalinus
Bromus tectorum
Brassica napus
Calystegia sepium
Capsella bursa-pastoris
Cerastium vulgatum
Chenopodium album
Cirsium arvense
Cyperus esculentus
Descurainia pinnata
Descurainia sophia
Digitaria ischaemum
Digitaria sanguinalis
Echinochloa crus-galli
Eriochloa villosa
Conyza canadensis
Erigeron strigosus
Erysimum repandum
Galinsoga parviflora

Helianthus annuus
Hibiscus trionum
Hordeum pusillum
Hippuris vulgaris L.
Ipomoea hederacea
Ipomoea lacunosa
Ipomoea
Iva xanthifolia
Kochia scoparia

Five-letter Code

LACSE
 LAMAM
 LAMPU
 LEPCA
 LINUX
 LOLMU
 MALNE
 MELAL
 MOLVE
 OTGUM
 PANDI
 PANMI
 PHBPU
 PHTAM
 POAAN
 POLCO
 POLPE
 POLPY
 RANAB
 RUMCR
 SASKR
 SECLE
 SETFA
 SETLU
 SETSS
 SETVI
 SIDSP
 SINAR
 SOLPT
 SONAR
 SORHA
 SORVU
 SPGEU
 STEME
 TAROF
 THLAR
 THLAR
 TRFRE
 XANST
 ZEAMX

Common Name

lettuce, prickly
 henbit
 deadnettle, purple
 pepperweed, field
 flax, volunteer
 ryegrass, Italian
 mallow, common
 campion, white
 carpetweed
 star-of-Bethlehem
 panicum, fall
 millet, wild-proso
 morningglory, tall
 pokeweed, common
 bluegrass, annual
 buckwheat, wild
 ladythumb
 smartweed, Pennsylvania
 buttercup, smallflower
 dock, curly
 thistle, Russian
 rye
 foxtail, giant
 foxtail, yellow
 foxtail, species
 foxtail, green
 sida, prickly
 mustard, wild
 nightshade, eastern black
 sowthistle, perennial
 johnsongrass
 shattercane
 burreed, giant
 chickweed, common
 dandelion
 pennycress, field
 pennycress, field
 clover, white
 cocklebur, common
 corn, volunteer

Botanical Name

Lactuca serriola
 Lamium amplexicaule
 Lamium purpureum
 Lepidium campestre
 Linum usitatissimum
 Lolium multiflorum
 Malva neglecta
 Silene alba
 Mollugo verticillata
 Ornithogalum umbellatum
 Panicum dichotomiflorum
 Panicum miliaceum
 Ipomoea purpurea
 Phytolacca americana
 Poa annua
 Polygonum convolvulus
 Polygonum persicaria
 Polygonum pennsylvanicum
 Ranunculus abortivus
 Rumex crispus
 Salsola iberica
 Secale cereale
 Setaria faberi
 Setaria glauca
 Setaria species
 Setaria viridis
 Sida spinosa
 Brassica kaber
 Solanum ptycanthum
 Sonchus arvensis
 Sorghum halepense
 Sorghum bicolor
 Sparganium eurycarpum
 Stellaria media
 Taraxacum officinale
 Thlaspi arvense
 Thlaspi arvense
 Trifolium repens
 Xanthium strumarium
 Zea mays

ABBREVIATIONS FOR HERBICIDE COMMON NAMES

The abbreviations listed below have been established by the NCWSS for common names of herbicides, herbicide safeners, and other herbicide-modifying chemicals for which common names have been assigned. Abbreviations only should be used in tables and figures to save space. Authors are encouraged to spell common names wherever possible and must use the full name of each herbicide at least once in each table. When abbreviations are used, they must either conform to this NCWSS approved list or they must be footnoted. New abbreviations will be assigned as new common names are approved.

The & symbol also shall be employed when designating the inclusion within a package mix of substances other than the active ingredients (i.e. acetochlor plus dichlormid becomes acet&dcmd"). Package mix products (consisting of 2 or more active ingredients blended by the manufacturer into one product) shall be abbreviated by placing the "&" symbol between the abbreviations of the active ingredients. For example, the package mix of chlorimuron plus thifensulfuron shall be abbreviated "clim&thif". The & symbol is to be avoided for all other uses. Tank mix combinations shall use the + symbol. The / symbol shall be used to indicate a time gap between different treatments applied to the same plot. For example: Trifluralin (PPI) / Bentazon (POST).

Common Name	Abbreviation
Acetochlor	Acet
Acifluorfen	Acif
Alachlor	Alac
Ametryn	Amet
Amitrole	Amit
Atrazine	Atra
Barban	Barb
Benefin	Bfn
Benazolin	Bena
Bentazon	Bent
Benzofluor	Befl
Benzoylprop	Bepr
Bifenox	Bife
Bromacil	Brcl
Bromoxynil	Brox
Butylate	Buty
Cacodylic acid	Caco
Carfentrazone	Carf
Chloramben	Clam
Chlorimuron	Clim
Chloroxuron	Clxu
Chlorsulfuron	Clsu
Cinemethylin	Cinm
Clethodim	Clet
Clomazone	Clom

Common Name	Abbreviation
Cloproxydim	Clpx
Clopyralid	Clpy
Cloransulam	Clsm
Cyanazine	Cyan
Cycloate	Cycl
Cyometrinil	Cyom
Dalapon	Dala
Desmedipham	Desm
Diallate	Dial
Dicamba	Dica
Dichlobenil	Dibl
Dichlormid	Dcmd
Diclofop	Dcfp
Diclosulam	Dicl
Diethatyl	Dtyl
Dietholate	Dlat
Difenzoquat	Dife
Dimethenamid	Dime
Dinoseb	Dino
Diphenamid	Diph
Diquat	Diqu
Dithiopyr	Dith
Diuron	Diur
DSMA	DSMA
Endothall	Endo
EPTC	EPTC
Ethalfuralin	Etha
Ethametsulfuron	Emsu
Fenoxaprop	Fenx
Flamprop	Flam
Fluazifop	Flfp
Fluazifop-P	Flfp-P
Flufenacet	Flct
Flumetsulam	Flms
Flumiclorac	Flmc
Flumioxazin	Flmx
Fluorochloridone	Flcd
Flurazole	Flzl
Fluroglycofen	Flgf
Fluroxpyr	Flox
Flurtamone	Flmn
Fomesafen	Fome
Glufosinate	Gluf
Glyphosate	Glyt
Halosafen	Halo
Halosulfuron	Hasu
Haloxyfop	Halx

Common Name	Abbreviation
Hexazinone	Heaz
Imazamethabenz	Immb
Imazamox	Immx
Imazapic	Impc
Imazapyr	Impr
Imazaquin	Imqn
Imazethapyr	Imep
Isouron	Isur
Isoxaben	Isox
Isoxaflutole	Isft
Lactofen	Lact
Linuron	Linu
MAA	MAA
MAMA	MAMA
MCPA	MCPA
MCPB	MCPB
Mecoprop	Meco
Mefluidide	Mefl
Mesotrione	Meso
Methazole	Mezl
Metolachlor	Meto
S-metolachlor	S-meto
Metosulam	Mesl
Metribuzin	Metr
Metsulfuron	Mets
Molinate	Moli
MSMA	MSMA
Naphthalic anhydride	NA
Napropamide	Napr
Naptalam	Napt
Nicosulfuron	Nico
Nitrofen	Nifn
Norflurazon	Norf
Oryzalin	Oryz
Oxadiazon	Oxad
Oxyfluorfen	Oxyf
Paraquat	Para
Pendimethalin	Pend
Perfluidone	Perf
Phenmedipham	Phen
Picloram	Picl
Primisulfuron	Prim
Prometryn	Prtr
Pronamid	Pron
Propachlor	Prcl
Propanil	Prnl
Propazine	Przn

Common Name	Abbreviation
Pyrazon	Pyzn
Pyridate	Pydt
Pyrithiobac	Pyrb
Quinclorac	Qucl
Quizalofop	Qufp
Rimsulfuron	Rims
Sethoxydim	Seth
Siduron	Sidu
Simazine	Sima
Sulfentrazone	Suen
Sulfometuron	Sume
Tebuthiuron	Tebu
Tebacil	TecI
Terbutryn	Tert
Thiazopyr	Thzp
Tralkoxydim	Tral
Triallate	Tria
Tribenuron	Trib
Triclopyr	Trcp
Tridiphane	Trid
Thifensulfuron	Thif
Trifluralin	Trif
Triflusulfuron	Tfsu
2,4-D	2,4-D
2,4-DB	2,4-DB
Vernolate	Vern

CHEMISTRY OF HERBICIDES

Nomenclature is based on Weed Science Society of America designations of common names for herbicides whenever available. If no common name has been assigned, herbicides are listed by code numbers. This is an incomplete list of chemical names and nomenclature. Please refer to the WSSA Herbicide Handbook or WSSA website for further information.

<u>Herbicide</u>	<u>Chemistry</u>
AC263,222	(±)-2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1H-imidazol-2-yl]-5-methyl-3-pyridinecarboxylic acid
acetochlor	2-chloro-N-(ethoxymethyl)-N-(2-ethyl-6-methylphenyl)acetamide
acifluorfen	5-[2-chloro-4-(trifluoromethyl)phenoxy]-2-nitrobenzoic acid
AE F130360	2-[[[(4,6-dimethoxy-2-pyrimidinyl)amino]carbonyl]amino]sulfonyl]-4-(formylamino)-N,N-dimethylbenzamide
alachlor	2-chloro-N-(2,6-diethylphenyl)-N-(methoxymethyl) acetamide
ametryn	N-ethyl-N'-(1-methylethyl)-6-(methylthio)-1,3,5-triazine-2,4-diamine
amitrole	1H-1,2,4-triazol-3-amine
asulam	methyl [(4-aminophenyl)sulfonyl]carbamate
atrazine	6-chloro-N-ethyl-N'-(1-methylethyl)-1,3,5-triazine-2,4-diamine
azafenidin	2-[2,4-dichloro-5-(2-propynyloxy)phenyl]-5,6,7,8-tetrahydro-1,2,4-triazolo[4,3-a]pyridin-3(2H)-one
BAS 514H	3,7-dichloro-8-quinolinecarboxylic acid
BAS-51702	2-[1-(ethoxyimino)butyl]-3-hydroxy-5-(2H-tetrahydrothiopyran-3-yl)-2-cyclohexen-1-one
benefin	N-butyl-N-ethyl-2,6-dinitro-4-(trifluoromethyl)benzenamine
bensulide	O,O-bis(1-methylethyl) S-[2-[(phenylsulfonyl)amino]ethyl]phosphorodithioate
bentazon	3-(1-methylethyl)-(1H)-2,1,3-benzothiadiazin-4(3H)-one 2,2-dioxide
bromoxynil	3,5-dibromo-4-hydroxybenzonitrile
butylate	S-ethyl bis(2-methylpropyl)carbamothioate
carfentrazone	X,2-dichloro-5-[4-(difluoromethyl)-4,5-dihydro-3-methyl-5-oxo-1H-1,2,4-triazol-1-yl]-4-fluorobenzenepropanoic acid
CGA-92194	a-[1,3-dioxolan-2ylmethoxy]imino]benzeneacetonitrile
CGA-133205	1-(4-chlorophenyl)-2,2,2-trifluoro-1-ethanone O-(1,3-dioxolan-2-ylmethyl)oxime
CGA-152005	1-(4-methoxy-6-methyl-triazin-2-yl)-3-[2-(3,3,3-trifluoropropyl)-phenylsulfonyl]-urea

CGA-155281	4-(dichloroacetyl)-3,4-dihydro-3-methyl-2H-1,4-benzoxazine
CGA-248757	methyl [[2-chloro-4-fluoro-5-[(tetrahydro-3-oxo-1H,3H-[1,3,4]thiadiazolo[3,4-a]pyridazin-1-ylidene)amino]phenyl]thio]acetate
CGA-277476	2-[[[(4,6-dimethyl-2-pyrimidinyl)-amino]carbonyl]amino]sulfonyl]benzoic acid, 3-oxetanyl ester
chlorimuron	ethyl 2-[[[(4-chloro-6-methoxy-2-pyrimidinyl)amino]carbonyl]amino]sulfonyl]benzoate
chlorsulfuron	2-chloro-N-[[[(4-methoxy-6-methyl-1,3,5-triazin-2-yl)amino]carbonyl]benzenesulfonamide
cinmethylin	<u>exo</u> -1-methyl-4-(1-methylethyl)-2-[(2-methylphenyl)methoxy]-7-oxabicyclo[2.2.1]heptane
clethodim	(<u>E</u> , <u>E</u>)-(±)-2-[1-[[[(3-chloro-2-propenyl)oxy]imino]propyl]-5-[2-(ethylthio)propyl]-3-hydroxy-2-cyclohexen-1-one
clomazone	2-[(2-chlorophenyl)methyl]-4,4-dimethyl-3-isoxazolidinone
clopyralid	3,6-dichloro-2-pyridinecarboxylic acid
cloransulam	N-(2-carboxymethyl-6-chlorophenyl)-5-ethoxy-7-fluoro(1,2,4)triazolo-(1,5c)-pyrimidine-2-sulfonamide
cyanazine	2-[[4-chloro-6-(ethylamino)-1,3,5-triazin-2-yl]amino]-2-methylpropanenitrile
cycloate	<u>S</u> -ethyl cyclohexylethylcarbamothioate
dalapon	2,2-dichloropropanoic acid
DCPA	dimethyl 2,3,5,6-tetrachloro-1,4-benzenedicarboxylate
desmedipham	ethyl [3-[[[(phenylamino)carbonyl]oxy]phenyl]carbamate
dicamba	3,6-dichloro-2-methoxybenzoic acid
dichlobenil	2,6-dichlorobenzonitrile
dichlormid	2,2-dichloro-N-N-di-2-propenylacetamide
diclofop	(±)-2-[4-(2,4-dichlorophenoxy)phenoxy]propanoic acid
dichlorprop	(±)-2-(2,4-dichlorophenoxy)propanoic acid
diethatyl	N-(chloroacetyl)-N-(2,6-diethylphenyl)glycine
difenzoquat	1,2-dimethyl-3,5-diphenyl-1H-pyrazolium
dimethenamid	(<u>RS</u>) 2-chloro-N-(2,4-dimethyl-3-thienyl)-N-(2-methoxy-1-methylethyl)acetamide
diphenamid	N,N-dimethyl-2,2-diphenylacetamide
diquat	6,7-dihydrodipyrido[1,2- <u>a</u> :2',1'- <u>c</u>]pyrazinediium ion
dithiopyr	S,S-dimethyl 2-(difluoromethyl)-4-(2-methylpropyl)-6-(trifluoromethyl)-3,5-pyridinedicarbothioate

diuron	N'-(3,4-dichlorophenyl)-N,N-dimethylurea
endothall	7-oxabicyclo[2.2.1]heptane-2,3-dicarboxylic acid
EPTC	<u>S</u> -ethyl dipropyl carbamothioate
ethalfuralin	<u>N</u> -ethyl- <u>N</u> -(2-methyl-2-propenyl)-2,6-dinitro-4-(trifluoromethyl)benzenamine
ethametsulfuron	methyl 2-[[[[[4-ethoxy-6-(methylamino)-1,3,5-triazin-2-yl]amino]carbonyl]amino]sulfonyl]benzoate
ethofumesate	(±)-2-ethoxy-2,3-dihydro-3,3-dimethyl-5-benzofuranyl methanesulfonate
fenoxaprop	(±)-2-[4-[(6-chloro-2-benzoxazolyl)oxy]phenoxy]propanoic acid
fluazifop-P	(R)-2-[4[[5-(trifluoromethyl)-2-pyridinyl]oxy]phenoxy]propanoic acid
flucarbazon	4,5-dihydro-3-methoxy-4-methyl-5-oxo-N-[[2-(trifluoromethoxy)phenyl]sulfonyl]-1H-1,2,4-triazole-1-carboxamide
flufenacet	N-(4-fluorophenyl)-N-(1-methylethyl)-2-[5-trifluoromethyl)-1,3,4-thiadiazol-2-yl)]acetamide
flumetsulam	<u>N</u> -(2,6-difluorophenyl)-5-methyl[1,2,4]triazolo[1,5- <u>a</u>]pyrimidine-2-sulfonamide
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-(2-propynyl)-2H-1,4-benzoxazin-6-yl]-4,5,6,7-tetrahydro-1H-isoindole-1,3(2H)-dione
fluorochloridone	3-chloro-4-(chloromethyl)-1-[3-(trifluoromethyl)phenyl]-2-pyrrolidinone
flurazole	phenylmethyl 2-chloro-4-(trifluoromethyl)-5-thiazolecarboxylate
fluroxypyr	[(4-amino-3,5-dichloro-6-fluoro-2-pyridinyl)oxy] acetic acid
flurtamone	5-(methylamino)-2-phenyl-4-(3-trifluoromethylphenyl)-3(2H)-furanone
fomesafen	5-[2-chloro-4-(trifluoromethyl)phenoxy]- <u>N</u> -(methylsulfonyl)-2-nitrobenzamide
fosamine	ethyl hydrogen (aminocarbonyl)phosphate
glufosinate	2-amino-4-(hydroxymethylphosphinyl)butanoic acid
glyphosate	<u>N</u> -(phosphonomethyl)glycine
halosulfuron	methyl 3-chloro-5-(4,6dimethoxypyrimidin-2-ylcarbamoylsulfamoyl)-1-methylpyrazole-4-carboxylate
haloxyfop	(±)-2-[4-[[3-chloro-5-(trifluoromethyl)-2-pyridinyl]oxy]phenoxy]propanoic acid
hexazinone	3-cyclohexyl-6-(dimethylamino)-1-methyl-1,3,5-triazine-2,4(1H,3H)-dione
ICIA-0051	2-(2-chloro-4-mesylbenzoyl)cyclohexane-1,3-dione
ICIA-0224	trimethylsulfonium carboxymethylaminomethyl phosphonate

imazamethabenz	(±)-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-isopropyl-4-methyl-5-oxo-2-imidazolin-2-yl)-5-(methoxymethyl)nicotinic acid
imazapic	(±)-2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1H-imidazol-2-yl]-5-methyl-3-pyridinecarboxylic acid
imazapyr	(±)-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
isoxaben	N-[3-(1-ethyl-1-methylpropyl)-5-isoxazolyl]-2,6-dimethoxybenzamide
isoxaflutole	(5-cyclopropyl-4-isoxazolyl)[2-(methylsulfonyl)-4-(trifluoromethyl)-phenyl]methanone
lactofen	(±)-2-ethoxy-1-methyl-2-oxoethyl 5-[2-chloro-4-(trifluoromethyl)phenoxy]-2-nitrobenzoate
linuron	N'-(3,4-dichlorophenyl)-N-methoxy-N-methylurea
MCPA	(4-chloro-2-methylphenoxy)acetic acid
MCPB	4-(4-chloro-2-methylphenoxy)butanoic acid
mecoprop	(±)-2-(4-chloro-2-methylphenoxy)propanoic acid
mefluidide	N-[2,4-dimethyl-5-[[[(trifluoromethyl)sulfonyl]amino]phenyl]acetamide
mesotrione	2-(4-mesyl-2-nitrobenzoyl)-3-hydroxycyclohex-2-enone
metolachlor	2-chloro-N-(2-ethyl-6-methylphenyl)-N-(2-methoxy-1-methylethyl)acetamide
s-metolachlor	s-2-chloro-N-(2-ethyl-6-methylphenyl)-N-(2-methoxy-1-methylethyl)acetamide
metribuzin	4-amino-6-(1,1-dimethylethyl)-3-(methylthio)-1,2,4-triazin-5(4H)-one
metsulfuron	methyl 2-[[[(4-methoxy-6-methyl-1,3,5-triazin-2-yl)amino]carbonyl]amino]sulfonyl]benzoate
MKH 6561	methyl 2-[[[(4-methyl-5-oxo-3-propoxy-4,5-dihydro-1H-1,2,4-triazol-1-yl)carbonyl]amino]sulfonyl]benzoate
MON 4660	4-(dichloroacetyl)-1-oxa-4azaspiro[4,5]decane
MON 13900	(±)-3-dichloroacetyl-5-(2-furyl)-2,2-dimethyl-1,3-oxazolidine
MON 37500	1-(4,6-dimethoxypyrimidin-2-yl)-3-[(2-ethanesulfonyl-imidazo[1,2-a]pyridine-3-yl)sulfonylurea
napropamide	N,N-diethyl-2-(1-naphthalenyloxy)propanamide
naptalam	2-[(1-naphthalenylamino)carbonyl]benzoic acid

nicosulfuron	2-[[[(4,6-dimethoxy-2-pyrimidinyl)amino]carbonyl]amino]sulfonyl]- <u>N,N</u> -dimethyl-3-pyridinecarboxamide
norflurazon	4-chloro-5-(methylamino)-2-(3-(trifluoromethyl)phenyl)-3(2 <u>H</u>)-pyridazinone
oryzalin	4-(dipropylamino)-3,5-dinitrobenzenesulfonamide
oxadiazon	3-[2,4-dichloro-5-(1-methylethoxy)phenyl]-5-(1,1-dimethylethyl)-1,3,4-oxadiazol-2-(3 <u>H</u>)-one
oxyfluorfen	2-chloro-1-(3-ethoxy-4-nitrophenoxy)-4-(trifluoromethyl)benzene
paraquat	1,1'-dimethyl-4,4'-bipyridinium ion
pendimethalin	<u>N</u> -(1-ethylpropyl)-3,4-dimethyl-2,6-dinitrobenzeneamine
phenmedipham	3-[(methoxycarbonyl)amino]phenyl(3-methylphenyl)carbamate
picloram	4-amino,3,5,6-trichloro-2-pyridinecarboxylic acid
primisulfuron	methyl 2-[[[[[4,6-bis(difluoromethoxy)-2-pyrimidinyl]amino]carbonyl]amino] sulfonyl]benzoate
prodiamine	2,4-dinitro- <u>N</u> ³ , <u>N</u> ³ -dipropyl-6-(trifluoromethyl)-1,3-benzenediamine
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
propazine	6-chloro- <u>N,N</u> '-bis(1-methylethyl)-1,3,5-triazine-2,4-diamine
pyrazon	5-amino-4-chloro-2-phenyl-3(2 <u>H</u>)-pyridazinone
pyridate	<u>O</u> -(6-chloro-3-phenyl-4-pyridazinyl) <u>S</u> -octyl carbonothioate
quinclorac	3,7-dichloro-9-quinolinecarboxylic acid
quizalofop-P	(<u>R</u>)-2-[4-[(6-chloro-2-quinoxalinyloxy]phenoxy]propanoic acid
R-29148	3-(dichloroacetyl)-2,2,5-trimethyloxazolidine
rimisulfuron	<u>N</u> -[[4,6-dimethoxy-2-pyrimidinyl]amino]carbonyl]-3-(ethylsulfonyl)-2-pyridinesulfonamide
RP-020630	5- <i>tert</i> -butyl-3-(2,4-dichloro-5-propargyloxyphenyl)-1,3,4-oxadiazol-2(3 <u>H</u>)-one
SAN 1269H	2-(1-[[[3,5-difluorophenylamino] carbonyl]-hydrazono]ethyl)-3-pyridinecarboxylic acid
sethoxydim	2-[1-(ethoxyamino)-butyl]-5-[2-(ethylthio)propyl]-3-hydroxy-2-cyclohexen-1-one
simazine	6-chloro- <u>N,N</u> '-diethyl-1,3,5-triazine-2,4-diamine
sulfentrazone	2',4'-dichloro-5'-(4-difluoromethyl-4,5-dihydro-3-methyl-5-oxo-1 <u>H</u> -1,2,4-triazol-1-yl)methanesulfonanilide

sulfometuron	2-[[[(4,6-dimethyl-2-pyrimidinyl)amino]carbonyl]amino]sulfonyl]benzoate
terbacil	5-chloro-3-(1,1-dimethylethyl)-6-methyl-2,4-(1H,3H)-pyrimidinedione
terbutryn	<u>N</u> -(1,1-dimethylethyl)- <u>N</u> 'ethyl-6-(methylthio)-1,3,5-triazine-2,4-diamine
thiazopyr	methyl 2-(difluoromethyl)-5-(4,5-dihydro-2-thiazoyl)-4-(2-methylpropyl)-6-(trifluoromethyl)-3-pyridinecarboxylate
thifensulfuron	methyl 3-[[[(4-methoxy-6-methyl-1,3,5-triazin-2-yl)amino]carbonyl]amino]sulfonyl]-2-thiophenecarboxylate
thiobencarb	<u>S</u> -[(4-chlorophenyl)methyl]diethylcarbamoate
tralkoxydim	2-[1-(ethoxyimino)propyl]-3-hydroxy-5-(2,4,6-trimethylphenyl)-cyclohex-2-enone
triallate	<u>S</u> -(2,3,3-trichloro-2-propenyl)bis(1-methylethyl)carbamoate
triasulfuron	2-(2-chloroethoxy)- <u>N</u> -[[4-methoxy-6-methyl-1,3,5-triazin-2-yl)amino]carbonyl]benzenesulfonamide
tribenuron	methyl 2-[[[(4-methoxy-6-methyl-1,3,5-triazin-2-yl)methyl]amino]carbonyl]amino]sulfonyl]benzoate
triclopyr	[(3,5,6-trichloro-2-pyridinyl)oxy]acetic acid
trifluralin	2,6-dinitro- <u>N,N'</u> -dipropyl-4-(trifluoromethyl)benzenamine
triflusulfuron	methyl 2-[[[(4-(dimethylamino)-6-(2,2,2-trifluoroethoxy)-1,3,5-triazin-2-yl)amino]carbonyl]amino]sulfonyl]-3-methylbenzoate
2,4-D	(2,4-dichlorophenoxy)acetic acid
2,4-DB	4-(2,4-dichlorophenoxy)butanoic acid
vernolate	<u>S</u> -propyl dipropylcarbamoate

SUSTAINING MEMBERS

November 4, 2002

We are grateful for the support of the following

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