

Weed Science Society of America - Herbicide Mechanism of Action (MOA) Classification List

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Herbicide	Class*	Mechanism of Action	Chemical Family
aloxxydim	1 ^(A)	Acetyl CoA Carboxylase (ACCase) Inhibitor	Cyclohexanedione ('DIMs')
butoxydim	1 ^(A)	Acetyl CoA Carboxylase (ACCase) Inhibitor	Cyclohexanedione ('DIMs')
clethodim	1 ^(A)	Acetyl CoA Carboxylase (ACCase) Inhibitor	Cyclohexanedione ('DIMs')
clodinafop-propargyl	1 ^(A)	Acetyl CoA Carboxylase (ACCase) Inhibitor	Aryloxyphenoxy-propionate ('FOPs')
cycloxydim	1 ^(A)	Acetyl CoA Carboxylase (ACCase) Inhibitor	Cyclohexanedione ('DIMs')
cyhalofop-butyl	1 ^(A)	Acetyl CoA Carboxylase (ACCase) Inhibitor	Aryloxyphenoxy-propionate ('FOPs')
diclofop	1 ^(A)	Acetyl CoA Carboxylase (ACCase) Inhibitor	Aryloxyphenoxy-propionate ('FOPs')
fenoxaprop-P	1 ^(A)	Acetyl CoA Carboxylase (ACCase) Inhibitor	Aryloxyphenoxy-propionate ('FOPs')
fluzafop-P	1 ^(A)	Acetyl CoA Carboxylase (ACCase) Inhibitor	Aryloxyphenoxy-propionate ('FOPs')
haloxyfop	1 ^(A)	Acetyl CoA Carboxylase (ACCase) Inhibitor	Aryloxyphenoxy-propionate ('FOPs')
metamifop	1 ^(A)	Acetyl CoA Carboxylase (ACCase) Inhibitor	Aryloxyphenoxy-propionate ('FOPs')
pinoxaden	1 ^(A)	Acetyl CoA Carboxylase (ACCase) Inhibitor	Phenylpyrazoline ('DEN')
propaquizafop	1 ^(A)	Acetyl CoA Carboxylase (ACCase) Inhibitor	Aryloxyphenoxy-propionate ('FOPs')
quizalofop-P	1 ^(A)	Acetyl CoA Carboxylase (ACCase) Inhibitor	Aryloxyphenoxy-propionate ('FOPs')
sethoxydim	1 ^(A)	Acetyl CoA Carboxylase (ACCase) Inhibitor	Cyclohexanedione ('DIMs')
tepraloxym	1 ^(A)	Acetyl CoA Carboxylase (ACCase) Inhibitor	Cyclohexanedione ('DIMs')
tralkoxydim	1 ^(A)	Acetyl CoA Carboxylase (ACCase) Inhibitor	Cyclohexanedione ('DIMs')
amidosulfuron	2 ^(B)	Acetolactate Synthase (ALS) or Acetohydroxy Acid Synthase (AHAS) inhibitor	Sulfonylurea
azimsulfuron	2 ^(B)	Acetolactate Synthase (ALS) or Acetohydroxy Acid Synthase (AHAS) inhibitor	Sulfonylurea
bensulfuron-methyl	2 ^(B)	Acetolactate Synthase (ALS) or Acetohydroxy Acid Synthase (AHAS) inhibitor	Sulfonylurea
bispyribac-sodium	2 ^(B)	Acetolactate Synthase (ALS) or Acetohydroxy Acid Synthase (AHAS) inhibitor	Pyrimidinyl(thio)benzoate
chlorimuron-ethyl	2 ^(B)	Acetolactate Synthase (ALS) or Acetohydroxy Acid Synthase (AHAS) inhibitor	Sulfonylurea
chlorsulfuron	2 ^(B)	Acetolactate Synthase (ALS) or Acetohydroxy Acid Synthase (AHAS) inhibitor	Sulfonylurea
cinosulfuron	2 ^(B)	Acetolactate Synthase (ALS) or Acetohydroxy Acid Synthase (AHAS) inhibitor	Sulfonylurea
cloransulam-methyl	2 ^(B)	Acetolactate Synthase (ALS) or Acetohydroxy Acid Synthase (AHAS) inhibitor	Triazolopyrimidine
cyclosulfamuron	2 ^(B)	Acetolactate Synthase (ALS) or Acetohydroxy Acid Synthase (AHAS) inhibitor	Sulfonylurea
diclosulam	2 ^(B)	Acetolactate Synthase (ALS) or Acetohydroxy Acid Synthase (AHAS) inhibitor	Triazolopyrimidine
ethamsulfuron-methyl	2 ^(B)	Acetolactate Synthase (ALS) or Acetohydroxy Acid Synthase (AHAS) inhibitor	Sulfonylurea
ethoxysulfuron	2 ^(B)	Acetolactate Synthase (ALS) or Acetohydroxy Acid Synthase (AHAS) inhibitor	Sulfonylurea
flazasulfuron	2 ^(B)	Acetolactate Synthase (ALS) or Acetohydroxy Acid Synthase (AHAS) inhibitor	Sulfonylurea
florasulam	2 ^(B)	Acetolactate Synthase (ALS) or Acetohydroxy Acid Synthase (AHAS) inhibitor	Triazolopyrimidine
flucarbazone-sodium	2 ^(B)	Acetolactate Synthase (ALS) or Acetohydroxy Acid Synthase (AHAS) inhibitor	Sulfonylaminocarbonyl-triazolinone
flucetosulfuron	2 ^(B)	Acetolactate Synthase (ALS) or Acetohydroxy Acid Synthase (AHAS) inhibitor	Sulfonylurea
flumetsulam	2 ^(B)	Acetolactate Synthase (ALS) or Acetohydroxy Acid Synthase (AHAS) inhibitor	Triazolopyrimidine
flupyrsulfuron-methyl-sodium	2 ^(B)	Acetolactate Synthase (ALS) or Acetohydroxy Acid Synthase (AHAS) inhibitor	Sulfonylurea
foramsulfuron	2 ^(B)	Acetolactate Synthase (ALS) or Acetohydroxy Acid Synthase (AHAS) inhibitor	Sulfonylurea
halosulfuron-methyl	2 ^(B)	Acetolactate Synthase (ALS) or Acetohydroxy Acid Synthase (AHAS) inhibitor	Sulfonylurea
imazamethabenz methyl	2 ^(B)	Acetolactate Synthase (ALS) or Acetohydroxy Acid Synthase (AHAS) inhibitor	Imidazolinone
imazamox	2 ^(B)	Acetolactate Synthase (ALS) or Acetohydroxy Acid Synthase (AHAS) inhibitor	Imidazolinone
imazapic	2 ^(B)	Acetolactate Synthase (ALS) or Acetohydroxy Acid Synthase (AHAS) inhibitor	Imidazolinone
imazapyr	2 ^(B)	Acetolactate Synthase (ALS) or Acetohydroxy Acid Synthase (AHAS) inhibitor	Imidazolinone
imazaquin	2 ^(B)	Acetolactate Synthase (ALS) or Acetohydroxy Acid Synthase (AHAS) inhibitor	Imidazolinone

*Class description: Numbers represent the WSSA approved MOA classes, while letters indicate the MOA designations in the system of the industry Herbicide Resistance Action Committee (www.hracglobal.com)

imazethapyr	2 ^(B)	Acetolactate Synthase (ALS) or Acetohydroxy Acid Synthase (AHAS) inhibitor	Imidazolinone
imazosulfuron	2 ^(B)	Acetolactate Synthase (ALS) or Acetohydroxy Acid Synthase (AHAS) inhibitor	Sulfonylurea
iodosulfuron	2 ^(B)	Acetolactate Synthase (ALS) or Acetohydroxy Acid Synthase (AHAS) inhibitor	Sulfonylurea
mesosulfuron	2 ^(B)	Acetolactate Synthase (ALS) or Acetohydroxy Acid Synthase (AHAS) inhibitor	Sulfonylurea
metsulfuron-methyl	2 ^(B)	Acetolactate Synthase (ALS) or Acetohydroxy Acid Synthase (AHAS) inhibitor	Sulfonylurea
nicosulfuron	2 ^(B)	Acetolactate Synthase (ALS) or Acetohydroxy Acid Synthase (AHAS) inhibitor	Sulfonylurea
penoxsulam	2 ^(B)	Acetolactate Synthase (ALS) or Acetohydroxy Acid Synthase (AHAS) inhibitor	Triazolopyrimidine
primisulfuron-methyl	2 ^(B)	Acetolactate Synthase (ALS) or Acetohydroxy Acid Synthase (AHAS) inhibitor	Sulfonylurea
propoxycarbazone-sodium	2 ^(B)	Acetolactate Synthase (ALS) or Acetohydroxy Acid Synthase (AHAS) inhibitor	Sulfonylaminocarbonyl-triazolinone
prosulfuron	2 ^(B)	Acetolactate Synthase (ALS) or Acetohydroxy Acid Synthase (AHAS) inhibitor	Sulfonylurea
pyrazosulfuron-ethyl	2 ^(B)	Acetolactate Synthase (ALS) or Acetohydroxy Acid Synthase (AHAS) inhibitor	Sulfonylurea
pyribenzoxim	2 ^(B)	Acetolactate Synthase (ALS) or Acetohydroxy Acid Synthase (AHAS) inhibitor	Pyrimidinyl(thio)benzoate
pyrithiobac-sodium	2 ^(B)	Acetolactate Synthase (ALS) or Acetohydroxy Acid Synthase (AHAS) inhibitor	Pyrimidinyl(thio)benzoate
pyroxsulam	2 ^(B)	Acetolactate Synthase (ALS) or Acetohydroxy Acid Synthase (AHAS) inhibitor	Triazolopyrimidine
rimsulfuron	2 ^(B)	Acetolactate Synthase (ALS) or Acetohydroxy Acid Synthase (AHAS) inhibitor	Sulfonylurea
sulfometuron-methyl	2 ^(B)	Acetolactate Synthase (ALS) or Acetohydroxy Acid Synthase (AHAS) inhibitor	Sulfonylurea
sulfosulfuron	2 ^(B)	Acetolactate Synthase (ALS) or Acetohydroxy Acid Synthase (AHAS) inhibitor	Sulfonylurea
thiencarbazone-methyl	2 ^(B)	Acetolactate Synthase (ALS) or Acetohydroxy Acid Synthase (AHAS) inhibitor	Sulfonylaminocarbonyl-triazolinone
thifensulfuron-methyl	2 ^(B)	Acetolactate Synthase (ALS) or Acetohydroxy Acid Synthase (AHAS) inhibitor	Sulfonylurea
triasulfuron	2 ^(B)	Acetolactate Synthase (ALS) or Acetohydroxy Acid Synthase (AHAS) inhibitor	Sulfonylurea
tribenuron-methyl	2 ^(B)	Acetolactate Synthase (ALS) or Acetohydroxy Acid Synthase (AHAS) inhibitor	Sulfonylurea
trifloxysulfuron	2 ^(B)	Acetolactate Synthase (ALS) or Acetohydroxy Acid Synthase (AHAS) inhibitor	Sulfonylurea
trifluspulfuron-methyl	2 ^(B)	Acetolactate Synthase (ALS) or Acetohydroxy Acid Synthase (AHAS) inhibitor	Sulfonylurea
benefin	3 ^(K1)	Inhibitor of microtubule assembly	Dinitroaniline
trifluralin	3 ^(K1)	Inhibitor of microtubule assembly	Dinitroaniline
DCPA	3 ^(K1)	Inhibitor of microtubule assembly	Benzoic acid
dithiopyr	3 ^(K1)	Inhibitor of microtubule assembly	Pyridine
ethalfluralin	3 ^(K1)	Inhibitor of microtubule assembly	Dinitroaniline
oryzalin	3 ^(K1)	Inhibitor of microtubule assembly	Dinitroaniline
pendimethalin	3 ^(K1)	Inhibitor of microtubule assembly	Dinitroaniline
prodiamine	3 ^(K1)	Inhibitor of microtubule assembly	Dinitroaniline
pronamide	3 ^(K1)	Inhibitor of microtubule assembly	Benzamide
thiazopyr	3 ^(K1)	Inhibitor of microtubule assembly	Pyridine
2,4-D	4 ^(O)	Synthetic Auxin	Phenoxy-carboxylic-acid
2,4-DB	4 ^(O)	Synthetic Auxin	Phenoxy-carboxylic-acid
aminocyclopyrachlor	4 ^(O)	Synthetic Auxin	Pyrimidine-carboxylic-acid
aminopyralid	4 ^(O)	Synthetic Auxin	Pyridine carboxylic acid
clopyralid	4 ^(O)	Synthetic Auxin	Pyridine carboxylic acid
dicamba	4 ^(O)	Synthetic Auxin	Benzoic acid
dichlorprop	4 ^(O)	Synthetic Auxin	Phenoxy-carboxylic-acid
fluroxypyr	4 ^(O)	Synthetic Auxin	Pyridine carboxylic acid
halauxifen methyl	4 ^(O)	Synthetic Auxin	
MCPA	4 ^(O)	Synthetic Auxin	Phenoxy-carboxylic-acid
MCPB	4 ^(O)	Synthetic Auxin	Phenoxy-carboxylic-acid
mecoprop	4 ^(O)	Synthetic Auxin	Phenoxy-carboxylic-acid

picloram	4 ^(O)	Synthetic Auxin	Pyridine carboxylic acid
quinclorac	4 ^(O)	Synthetic Auxin	Quinoline carboxylic acid
triclopyr	4 ^(O)	Synthetic Auxin	Pyridine carboxylic acid
ametryn	5 ^(C1)	Inhibitor of photosynthesis at photosystem II site A	Triazine
amicarbazone	5 ^(C1)	Inhibitor of photosynthesis at photosystem II site A	Triazolinone
atrazine	5 ^(C1)	Inhibitor of photosynthesis at photosystem II site A	Triazine
bromacil	5 ^(C1)	Inhibitor of photosynthesis at photosystem II site A	Uracil
bromoxynil	5 ^(C1)	Inhibitor of photosynthesis at photosystem II site A	Nitrile
cyanazine	5 ^(C1)	Inhibitor of photosynthesis at photosystem II site A	Triazine
desmedipham	5 ^(C1)	Inhibitor of photosynthesis at photosystem II site A	Phenyl-carbamate
desmetryn	5 ^(C1)	Inhibitor of photosynthesis at photosystem II site A	Triazine
hexazone	5 ^(C1)	Inhibitor of photosynthesis at photosystem II site A	Triazinone
metamitron	5 ^(C1)	Inhibitor of photosynthesis at photosystem II site A	Triazinone
metoxuron	5 ^(C1)	Inhibitor of photosynthesis at photosystem II site A	Urea
metribuzin	5 ^(C1)	Inhibitor of photosynthesis at photosystem II site A	Triazinone
phenmedipham	5 ^(C1)	Inhibitor of photosynthesis at photosystem II site A	Phenyl-carbamate
prometon	5 ^(C1)	Inhibitor of photosynthesis at photosystem II site A	Triazine
prometryn	5 ^(C1)	Inhibitor of photosynthesis at photosystem II site A	Triazine
propazine	5 ^(C1)	Inhibitor of photosynthesis at photosystem II site A	Triazine
pyrazon	5 ^(C1)	Inhibitor of photosynthesis at photosystem II site A	Pyridazinone
simazine	5 ^(C1)	Inhibitor of photosynthesis at photosystem II site A	Triazine
simetryn	5 ^(C1)	Inhibitor of photosynthesis at photosystem II site A	Triazine
terbacil	5 ^(C1)	Inhibitor of photosynthesis at photosystem II site A	Uracil
terbumeton	5 ^(C1)	Inhibitor of photosynthesis at photosystem II site A	Triazine
terbuthylazine	5 ^(C1)	Inhibitor of photosynthesis at photosystem II site A	Triazine
trietazine	5 ^(C1)	Inhibitor of photosynthesis at photosystem II site A	Triazine
bentazon	6 ^(C3)	Inhibitor of photosynthesis at photosystem II site B	Benzothiadiazinone
ioxynil	6 ^(C3)	Inhibitor of photosynthesis at photosystem II site B	Nitrile
pyridate	6 ^(C3)	Inhibitor of photosynthesis at photosystem II site B	Phenyl-pyridazine
chlorotoluron	7 ^(C2)	Inhibitor of photosynthesis at photosystem II site A; different behavior from group 5	Urea
dimefuron	7 ^(C2)	Inhibitor of photosynthesis at photosystem II site A; different behavior from group 5	Urea
diuron	7 ^(C2)	Inhibitor of photosynthesis at photosystem II site A; different behavior from group 5	Urea
fluometuron	7 ^(C2)	Inhibitor of photosynthesis at photosystem II site A; different behavior from group 5	Urea
isoproturon	7 ^(C2)	Inhibitor of photosynthesis at photosystem II site A; different behavior from group 5	Urea
linuron	7 ^(C2)	Inhibitor of photosynthesis at photosystem II site A; different behavior from group 5	Urea
methibenzuron	7 ^(C2)	Inhibitor of photosynthesis at photosystem II site A; different behavior from group 5	Urea
monolinuron	7 ^(C2)	Inhibitor of photosynthesis at photosystem II site A; different behavior from group 5	Urea
propanil	7 ^(C2)	Inhibitor of photosynthesis at photosystem II site A; different behavior from group 5	Amide
siduron	7 ^(C2)	Inhibitor of photosynthesis at photosystem II site A; different behavior from group 5	Urea
tebuthiuron	7 ^(C2)	Inhibitor of photosynthesis at photosystem II site A; different behavior from group 5	Urea
bensulide	8 ^(N)	Inhibitor of lipid synthesis; not ACCase inhibition	Phosphorodithioate
butylate	8 ^(N)	Inhibitor of lipid synthesis; not ACCase inhibition	Thiocarbamate
cycloate	8 ^(N)	Inhibitor of lipid synthesis; not ACCase inhibition	Thiocarbamate

EPTC	8 ^(N)	Inhibitor of lipid synthesis; not ACCase inhibition	Thiocarbamate
esprocarb	8 ^(N)	Inhibitor of lipid synthesis; not ACCase inhibition	Thiocarbamate
ethofumesate	8 ^(N)	Inhibitor of lipid synthesis; not ACCase inhibition	Benzofuran
molinate	8 ^(N)	Inhibitor of lipid synthesis; not ACCase inhibition	Thiocarbamate
pebulate	8 ^(N)	Inhibitor of lipid synthesis; not ACCase inhibition	Thiocarbamate
prosulfocarb	8 ^(N)	Inhibitor of lipid synthesis; not ACCase inhibition	Thiocarbamate
thiobencarb	8 ^(N)	Inhibitor of lipid synthesis; not ACCase inhibition	Thiocarbamate
triallate	8 ^(N)	Inhibitor of lipid synthesis; not ACCase inhibition	Thiocarbamate
vernolate	8 ^(N)	Inhibitor of lipid synthesis; not ACCase inhibition	Thiocarbamate
glyphosate	9 ^(G)	Inhibitor of 5-enolpyruvyl-shikimate-3-phosphate synthase (EPSPS)	Glycine
glufosinate	10 ^(H)	Inhibitor of glutamine synthetase	Phosphinic acid
acifluorfen	11 ^(F3)	Inhibitor of carotenoid biosynthesis (unknown target)	Diphenylether
amitrole	11 ^(F3)	Inhibitor of carotenoid biosynthesis (unknown target)	Triazole
beflubutamid	12 ^(F1)	Inhibitor of phytoene desaturase (PDS)	
diflufenican	12 ^(F1)	Inhibitor of phytoene desaturase (PDS)	Pyridinecarboxamide
fluridone	12 ^(F1)	Inhibitor of phytoene desaturase (PDS)	
flurochloridone	12 ^(F1)	Inhibitor of phytoene desaturase (PDS)	
flurtamone	12 ^(F1)	Inhibitor of phytoene desaturase (PDS)	
norflurazon	12 ^(F1)	Inhibitor of phytoene desaturase (PDS)	Pyridazinone
picolinafen	12 ^(F1)	Inhibitor of phytoene desaturase (PDS)	Pyridinecarboxamide
clomazone	13 ^(F3)	Inhibitor of 1-deoxy-D-xylose 5-phosphate synthetase (DOXP synthase)	Isoxazolidinone
acifluorfen	14 ^(E)	Inhibitor of protoporphyrinogen oxidase (Protox, PPO)	Diphenylether
azafenidin	14 ^(E)	Inhibitor of protoporphyrinogen oxidase (Protox, PPO)	Triazolinone
bifenox	14 ^(E)	Inhibitor of protoporphyrinogen oxidase (Protox, PPO)	Diphenylether
butafenacil	14 ^(E)	Inhibitor of protoporphyrinogen oxidase (Protox, PPO)	Pyrimidindione
carfentrazone-ethyl	14 ^(E)	Inhibitor of protoporphyrinogen oxidase (Protox, PPO)	Triazolinone
flufenpyr-ethyl	14 ^(E)	Inhibitor of protoporphyrinogen oxidase (Protox, PPO)	
flumiclorac	14 ^(E)	Inhibitor of protoporphyrinogen oxidase (Protox, PPO)	N-phenylphthalimide
flumioxazin	14 ^(E)	Inhibitor of protoporphyrinogen oxidase (Protox, PPO)	N-phenylphthalimide
fluoroglycofen	14 ^(E)	Inhibitor of protoporphyrinogen oxidase (Protox, PPO)	Diphenylether
fluthiacet-methyl	14 ^(E)	Inhibitor of protoporphyrinogen oxidase (Protox, PPO)	Thiadiazole
fomesafen	14 ^(E)	Inhibitor of protoporphyrinogen oxidase (Protox, PPO)	Diphenylether
lactofen	14 ^(E)	Inhibitor of protoporphyrinogen oxidase (Protox, PPO)	Diphenylether
oxadiargyl	14 ^(E)	Inhibitor of protoporphyrinogen oxidase (Protox, PPO)	Oxadiazole
oxadiazon	14 ^(E)	Inhibitor of protoporphyrinogen oxidase (Protox, PPO)	Oxadiazole
oxyfluorfen	14 ^(E)	Inhibitor of protoporphyrinogen oxidase (Protox, PPO)	Diphenylether
pyraflufen-ethyl	14 ^(E)	Inhibitor of protoporphyrinogen oxidase (Protox, PPO)	Phenylpyrazole
saflufenacil	14 ^(E)	Inhibitor of protoporphyrinogen oxidase (Protox, PPO)	Pyrimidindione
sulfentrazone	14 ^(E)	Inhibitor of protoporphyrinogen oxidase (Protox, PPO)	Triazolinone
acetochlor	15 ^(K3)	Mitosis Inhibitor	Chloroacetamide

alachlor	15 ^(K3)	Mitosis Inhibitor	Chloroacetamide
anilofos	15 ^(K3)	Mitosis Inhibitor	
butachlor	15 ^(K3)	Mitosis Inhibitor	Chloroacetamide
dimethenamid	15 ^(K3)	Mitosis Inhibitor	Chloroacetamide
fentrazamide	15 ^(K3)	Mitosis Inhibitor	Tetrazolinone
flufenacet	15 ^(K3)	Mitosis Inhibitor	Oxyacetamide
mefenacet	15 ^(K3)	Mitosis Inhibitor	Oxyacetamide
metazachlor	15 ^(K3)	Mitosis Inhibitor	Chloroacetamide
napropamide	15 ^(K3)	Mitosis Inhibitor	Acetamide
pretilachlor	15 ^(K3)	Mitosis Inhibitor	Chloroacetamide
propachlor	15 ^(K3)	Mitosis Inhibitor	Chloroacetamide
pyroxasulfone	15 ^(K3)	Mitosis Inhibitor	Isoxazoline
S-metolachlor	15 ^(K3)	Mitosis Inhibitor	Chloroacetamide
thienylchlor	15 ^(K3)	Mitosis Inhibitor	Chloroacetamide
asulam	18 ^(I)	Inhibitor of 7,8-dihydro-preroate synthetase (DHP)	Carbamate
diflufenopyr	19 ^(P)	Inhibitor of indoleacetic acid transport	Phthalamate Semicarbazone
naptalam	19 ^(P)	Inhibitor of indoleacetic acid transport	Phthalamate Semicarbazone
dichlobenil	20 ^(L)	Inhibitor of cell wall synthesis site A	Nitrile
isoxaben	21 ^(L)	Inhibitor of cell wall synthesis site B	Benzamide
diquat	22 ^(D)	Photosystem I electron diverter	Bipyridylum
paraquat	22 ^(D)	Photosystem I electron diverter	Bipyridylum
carbetamide	23 ^(K2)	Inhibitor of mitosis	Carbamate
dinoterb	24 ^(M)	Membrane disruptor (uncouplers)	Dinitrophenol
dazomet	26 ^(Z)	Unknown site of action	
difenzoquat	26 ^(Z)	Unknown site of action	Pyrazolium
metham	26 ^(Z)	Unknown site of action	
pelargonic acid	26 ^(Z)	Unknown site of action	
benzofenap	27 ^(F2)	Inhibitor of 4-hydroxyphenyl-pyruvatedioxygenase (4-HPPD)	Pyrazole
isoxaflutole	27 ^(F2)	Inhibitor of 4-hydroxyphenyl-pyruvatedioxygenase (4-HPPD)	
mesotrione	27 ^(F2)	Inhibitor of 4-hydroxyphenyl-pyruvatedioxygenase (4-HPPD)	Triketone
pyrazolynate	27 ^(F2)	Inhibitor of 4-hydroxyphenyl-pyruvatedioxygenase (4-HPPD)	Pyrazole
pyrazoxyfen	27 ^(F2)	Inhibitor of 4-hydroxyphenyl-pyruvatedioxygenase (4-HPPD)	Pyrazole
sulcotrione	27 ^(F2)	Inhibitor of 4-hydroxyphenyl-pyruvatedioxygenase (4-HPPD)	Triketone
tembotrione	27 ^(F2)	Inhibitor of 4-hydroxyphenyl-pyruvatedioxygenase (4-HPPD)	Triketone
topramezone	27 ^(F2)	Inhibitor of 4-hydroxyphenyl-pyruvatedioxygenase (4-HPPD)	
DSMA	28 ^(Z)	Unknown site of action	Organoarsenical

fosamine	28 ^(Z)	Unknown site of action	
MSMA	28 ^(Z)	Unknown site of action	Organoarsenical
indaziflam	29 ^(L)	Inhibitor of cell wall synthesis site C	
cinmethylin	30 ^(R)	Tyrosine Aminotransferase	
methiozolin	30 ^(R)	Tyrosine Aminotransferase	
acrolein	NC	Not Classified	
AMS	NC	Not Classified	
benazolin	NC	Not Classified	
benoxacor	NC	Not Classified	
cacodylic acid	NC	Not Classified	
cloquintocet-mexyl	NC	Not Classified	
copper chelate	NC	Not Classified	
copper sulfate	NC	Not Classified	
cyprosulfamide	NC		
dichlormid	NC	Not Classified	
dietholate	NC	Not Classified	
dimethipin	NC	Not Classified	
endothall	NC	Not Classified	
fenchlorazole-ethyl	NC	Not Classified	
fencloirim	NC	Not Classified	
fluxofenim	NC	Not Classified	
maleic hydrazide	NC	Not Classified	
mefenpyr-diethyl	NC	Not Classified	
mefluidide	NC	Not Classified	
metaborate	NC	Not Classified	
oxaziclomefone	NC	Not Classified	
sodium chlorate	NC	Not Classified	