

HRAC Group	Site of Action	Chemical Family	Active Ingredient	WSSA Group
A	Inhibition of acetyl CoA carboxylase (ACCase)	Aryloxyphenoxy-propionate 'FOPs'	clodinafop-propargyl cyhalofop-butyl diclofop-methyl fenoxaprop-P-ethyl fluazifop-P-butyl haloxyfop-R-methyl propaquizafop quizalofop-P-ethyl	1
		Cyclohexanedione 'DIMs'	alloxydim butroxydim clethodim cycloxydim <i>profoxydim</i> sethoxydim <i>tepraloxyn</i> tralkoxydim	
		Phenylpyrazoline 'DEN'	pinoxaden	
B	Inhibition of acetolactate synthase ALS (acetohydroxyacid synthase AHAS)	Sulfonylurea	amidosulfuron azimsulfuron bensulfuron-methyl chlorimuron-ethyl chlorsulfuron cinosulfuron cyclosulfamuron ethametsulfuron-methyl ethoxysulfuron flazasulfuron flupyrsulfuron-methyl-Na foramsulfuron halosulfuron-methyl <i>imazosulfuron</i> iodosulfuron mesosulfuron	2

			metsulfuron-methyl nicosulfuron <i>oxasulfuron</i> primisulfuron-methyl prosulfuron pyrazosulfuron-ethyl rimsulfuron sulfometuron-methyl sulfosulfuron thifensulfuron-methyl triasulfuron tribenuron-methyl trifloxysulfuron triflusulfuron-methyl <i>tritosulfuron</i>	
		Imidazolinone	imazapic imazamethabenz-methyl imazamox imazapyr imazaquin imazethapyr	
		Triazolopyrimidine	cloransulam-methyl diclosulam florasulam flumetsulam <i>metosulam</i> <i>penoxsulam</i>	
		Pyrimidinyl(thio)benzoate	bispyribac-Na pyribenzoxim <i>pyriftalid</i> pyrithiobac-Na <i>pyriminobac-methyl</i>	
		Sulfonylaminocarbonyl-triazolinone	flucarbazone-Na propoxycarbazine-Na	
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C1	Inhibition of photosynthesis at photosystem II	Triazine	ametryne atrazine cyanazine desmetryne <i>dimethametryne</i> prometon prometryne propazine simazine simetryne terbumeton terbuthylazine <i>terbutryne</i> trietazine	5
		Triazinone	hexazinone metamitron metribuzin	
		Triazolinone	amicarbazone	
		Uracil	bromacil <i>lenacil</i> terbacil	
		Pyridazinone	pyrazon = chloridazon	
		Phenyl-carbamate	desmedipham phenmedipham	
C2	Inhibition of photosynthesis at photosystem II	Urea	<i>chlorobromuron</i> chlorotoluron <i>chloroxuron</i> dimefuron diuron <i>ethidimuron</i> <i>fenuron</i> fluometuron (see F3) isoproturon <i>isouron</i> linuron methabenzthiazuron <i>metobromuron</i> metoxuron monolinuron <i>neburon</i>	7

			siduron tebuthiuron	
		Amide	propanil <i>pentanochlor</i>	
C3	Inhibition of photosynthesis at photosystem II	Nitrile	<i>bromofenoxim</i> bromoxynil ioxynil	6
		Benzothiadiazinone	bentazon	
		Phenyl-pyridazine	pyridate <i>pyridafof</i>	
D	Photosystem-I-electron diversion	Bipyridylum	diquat paraquat	22
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E	Inhibition of protoporphyrinogen oxidase (PPO)	Diphenylether	acifluorfen-Na bifenox <i>chlomethoxyfen</i> <i>fluoroglycofen-ethyl</i> fomesafen <i>halosafen</i> lactofen oxyfluorfen	14
		Phenylpyrazole	<i>fluazolate</i> pyraflufen-ethyl	
		N-phenylphthalimide	cinidon-ethyl flumioxazin flumiclorac-pentyl	
		Thiadiazole	fluthiacet-methyl <i>thidiazimin</i>	
		Oxadiazole	oxadiazon oxadiargyl	
		Triazolinone	azafenidin <i>carfentrazone-ethyl</i> <i>sulfentrazone</i>	
		Oxazolidinedione	<i>pentoxazone</i>	
		Pyrimidindione	<i>benzfendizone</i> butafenacil	

		Other	<i>pyraclonil</i> <i>profluazol</i> flufenpyr-ethyl	
F1	Bleaching: Inhibition of carotenoid biosynthesis at the phytoene desaturase step (PDS)	Pyridazinone	norflurazon	12
		Pyridinecarboxamide	diflufenican picolinafen	
		Other	beflubutamid fluridone flurochloridone flurtamone	
F2	Bleaching: Inhibition of 4-hydroxyphenyl-pyruvate-dioxygenase (4-HPPD)	Triketone	mesotrione sulcotrione	27
		Isoxazole	<i>isoxachlortole</i> isoxaflutole	
		Pyrazole	benzofenap pyrazolynate pyrazoxyfen	
		Other	<i>benzobicyclon</i>	
F3	Bleaching: Inhibition of carotenoid biosynthesis (unknown target)	Triazole	amitrole (in vivo inhibition of lycopene cyclase)	11
		Isoxazolidinone	clomazone	13
		Urea	fluometuron (see C2)	
		Diphenylether	aclonifen	
G	Inhibition of EPSP synthase	Glycine	glyphosate <i>sulfosate</i>	9
H	Inhibition of glutamine synthetase	Phosphinic acid	glufosinate-ammonium	10

			<i>bialaphos</i> = <i>bilanaphos</i>	
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I	Inhibition of DHP (dihydropteroate) synthase	Carbamate	asulam	18
K1	Microtubule assembly inhibition	Dinitroaniline	benefin = benfluralin <i>butralin</i> <i>dinitramine</i> ethalfluralin oryzalin pendimethalin trifluralin	3
		Phosphoroamidate	<i>amiprofos-methyl</i> <i>butamiphos</i>	
		Pyridine	dithiopyr thiazopyr	
		Benzamide	propyzamide = pronamide <i>tebutam</i>	
		Benzoic acid	DCPA = chlorthal- dimethyl	3
K2	Inhibition of mitosis / microtubule organisation	Carbamate	<i>chlorpropham</i> <i>propham</i> carbetamide	23
K3	Inhibition of VLCFAs (see Remarks) (Inhibition of cell division)	Chloroacetamide	acetochlor alachlor butachlor	15
			<i>dimethachlor</i> dimethanamid metazachlor metolachlor <i>pethoxamid</i>	
			pretilachlor propachlor <i>propisochlor</i> thenylchlor	

		Acetamide	<i>diphenamid</i> <i>napropamide</i> <i>naproanilide</i>	
		Oxyacetamide	flufenacet mefenacet	
		Tetrazolinone	fentrazamide	
		Other	<i>anilofos</i> <i>cafenstrole</i> <i>piperophos</i>	
L	Inhibition of cell wall (cellulose) synthesis	Nitrile	dichlobenil <i>chlorthiamid</i>	20
		Benzamide	isoxaben	21
		Triazolocarboxamide	<i>flupoxam</i>	
		Quinoline carboxylic acid	quinclorac (for monocots) (also group O)	26
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M	Uncoupling (Membrane disruption)	Dinitrophenol	<i>DNOC</i> <i>dinoseb</i> dinoterb	24
N	Inhibition of lipid synthesis - not ACCase inhibition	Thiocarbamate	butylate cycloate <i>dimepiperate</i> EPTC esprocarb molinate <i>orbencarb</i> pebulate prosulfocarb thiobencarb = benthocarb <i>tiocarbazil</i> triallate vernolate	8
		Phosphorodithioate	bensulide	
		Benzofuran	<i>benfuresate</i> ethofumesate	

		Chloro-Carbonic-acid	<i>TCA</i> <i>dalapon</i> <i>flupropanate</i>	26
O	Action like indole acetic acid (synthetic auxins)	Phenoxy-carboxylic-acid	clomeprop 2,4-D 2,4-DB dichlorprop = 2,4-DP MCPA MCPB mecoprop = MCPP = CMPP	4
		Benzoic acid	chloramben dicamba TBA	
		Pyridine carboxylic acid	clopyralid fluroxypyr picloram triclopyr	
		Quinoline carboxylic acid	quinclorac (also group L) quinmerac	
		Other	benazolin-ethyl	
P	Inhibition of auxin transport	Phthalamate Semicarbazone	naptalam diflufenzopyr-Na	19
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Z	Unknown Note: While the site of action of herbicides in Group Z is unknown it is likely that they differ in site of action between themselves and from other groups.	Arylamino-propionic acid	Flamprop-M-methyl /-isopropyl	25
		Pyrazolium	difenzoquat	26

		Organoarsenical	DSMA MSMA	17
		Other	<i>bromobutide</i> <i>(chloro)-flurenol</i>	
			cinmethylin	
			<i>cumyluron</i>	
			dazomet	
			<i>dymron =</i> <i>daimuron</i> <i>methyl-dimuron =</i> <i>methyl-dymron</i> <i>etobenzanid</i> fosamine <i>indanofan</i> metam <i>oxaziclomefone</i> <i>oleic acid</i>	
			pelargonic acid pyributicarb	