

Herbicide Classification by Site of Action

Group ¹	Site of Action	Family	Approximate date of first development	Example herbicides	
				Common name	Trade name
1	ACC-ase inhibitor	'fops' 'dims'	1970's	quiazalofop clethodim	Assure II Select
2	ALS inhibitor	sulfonylurea imidazolinone	1970's	nicosulfuron imazethapyr	Accent Pursuit
3	Mitosis inhibitor	dinitroalinine	1950's	trifluralin pendimethalin	Treflan Prowl
4	Synthetic auxin	phenoxy benzoic acid	1940's	2,4-D dicamba	many Clarity
5	Photosystem II inhibitor ²	triazine	1950's	atrazine	many
6	PS II inhibitor ²	-	1960's	bromoxynil	Buctril
9	EPSPS inhibitor	-	1970's	glyphosate	Roundup
10	Glutamine syn. inhibitor	-	1980's	glufosinate	Ignite
13	Carotene inhibitor	-	1970's	clomozone	Command
14	PPO inhibitor	diphenylether -	1970's	fomesafen flumioxazin	Reflex Valor
15	LC fatty acid inhibitor	acetamide	1960's	s-metolachlor acetochlor	Dual II Magnum Harness
19	Auxin transport inhibitor	-	1980's	diflufenzopyr	Status
22	Photosystem I inhibitor	bipyridillium	1960's	paraquat	Gramoxone
27	HPPD inhibitor	triketone -	1980's	tembotrione isoxaflutole	Laudis Balance Flexx

¹Herbicide group designated by Weed Science Society of America according to site of action. Group number is listed on most herbicide labels. Example: **Group 14 Herbicide**

² Groups 5 and 6 bind to the same target site, but at different locations on the protein.