

Timing	Mechanism of Action	Active Ingredient (Trade Name Example)
PRE	Cellulose biosynthesis inhibition Mitotic (microtubule) inhibition	Indaziflam (Specticle)
		Benefin (Balan)
		Dithiopyr (Dimension)
		Oryzalin (Surflan)
		Pendimethalin (Pendulum)
		Prodiamine (Barricade)
		Trifluralin (Treflan)
	Lipid biosynthesis inhibition	Bensulide (Bensumec)
Long-chain fatty acid inhibition	Dimethenamid (Tower)	
	Metolachlor (Pennant)	
PRE/POST	Mitotic (microtubule) inhibition	Pronamide (Kerb)
	Photosystem II inhibition – Site A	Atrazine (Aatrex)
		Metribuzin (Sencor)
		Simazine (Princep)
	Lipid biosynthesis inhibition	Ethofumesate (Prograss)
	Protoporphyrinogen oxidase (PPO) inhibition	Flumioxazin (SureGuard)
		Oxadiazon (Ronstar)
POST	Acetolactate synthase (ALS) inhibition	Bispyribac-sodium (Velocity)
		Chlorsulfuron (Corsair)
		Flazasulfuron (Katana)
		Foramsulfuron (Revolver)
		Imazaquin (Image)
		Metsulfuronn (Manor)
		Rimsulfuron (TranXit)
		Sulfosulfuron (Certainty)
		Thiencarbazone-methyl
		Trifloxysulfuron (Monument)
	Acety CoA Carboxylase (ACCase) inhibition	Clethodim (Envoy)
		Fenoxprop (Acclaim Extra)
		Fluzafop (Fusilade)
		Sethoxydim (Vantage)
	Auxin agonist (growth regulators)	Clopyralid (Lontrel)
2,4-D (Weedone)		

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		Dicamba (Banvel)
		Fluroxpyr (Spotlight)
		Mecoprop, MCPP (Mecomec)
		Quinclorac (Drive) (broadleaves)
	Carotenoid biosynthesis (HPPD, hydroxyphenyl-pyruvate-dioxygenase) inhibition	Mesotrione (Tenacity)
		Topramezone (Pylex)
	Cellulose biosynthesis inhibition	Quinclorac (Drive) (grasses)
	Enolpyruvyl Shikimate-3 Phosphate (EPSP) synthase inhibition	Glyphosate (Roundup)
	Glutamine synthetase inhibition	Glufosinate (Finale)
	Photosystem I inhibition	Diquat (Reward)
	Photosystem II inhibition – Site A	Amicarbazone (Xonerate)
	Photosystem II inhibition – Site B	Bentazon (Basagran)
		Bromoxynil (Buctril)
	Photosystem II inhibition – different binding site	Siduron (Tupersan)
	PPO or Protox (protoporphyrinogen oxidase) inhibition	Carfentrazone (Quicksilver)
		Sulfentrazone (Dismiss)
	Unknown	MSMA, DSMA