

CAT	PROBLEM	STAGE	PLOT	APP TIME	PLANTING DATE
GRAD	1	CONTEST	220 clomazone	PRE	LATE
GRAD	2	CONTEST	102 rimuron	POST	EARLY
GRAD	3	CONTEST	204 acetochlor	PRE	LATE
GRAD	4	CONTEST	205 dicamba	POST	LATE
GRAD	5	CONTEST	207 fluthiacet-methyl	POST	LATE
GRAD	6	CONTEST	222 quizalofop-ethyl	POST	LATE
GRAD	7	CONTEST	224 lactofen	POST	LATE
GRAD	8	CONTEST	227 isoxaflutole	PRE	LATE
GRAD	9	CONTEST	228 clethodim	POST	LATE
GRAD	10	CONTEST	128 topramazone	POST	EARLY
UNDERGRAD	1	CONTEST	220 clomazone	PRE	LATE
UNDERGRAD	2	CONTEST	102 rimuron	POST	EARLY
UNDERGRAD	3	CONTEST	206 fomesafen	POST	LATE
UNDERGRAD	4	CONTEST	210 glyphosate	POST	LATE
UNDERGRAD	5	CONTEST	221 glufosinate	POST	LATE
UNDERGRAD	6	CONTEST	225 mesotrione	PRE	LATE
UNDERGRAD	7	CONTEST	226 nicosulfuron	POST	LATE
UNDERGRAD	8	CONTEST	229 2,4-D	POST	LATE
UNDERGRAD	9	CONTEST	121 paraquat	POST	EARLY
UNDERGRAD	10	CONTEST	131 clethodim	POST	EARLY
UNDERGRAD	1	TIE	113 clopyralid	POST	EARLY
UNDERGRAD	2	TIE	101 tembotrione	POST	EARLY
UNDERGRAD	3	TIE	125 dicamba	POST	EARLY
UNDERGRAD	4	TIE	110 fluthiacet-methyl	POST	EARLY
UNDERGRAD	5	TIE	111 lactofen	POST	EARLY
GRAD	1	TIE	113 clopyralid	POST	EARLY
GRAD	2	TIE	101 tembotrione	POST	EARLY
GRAD	3	TIE	124 fomesafen	POST	EARLY
GRAD	4	TIE	126 glyphosate	POST	EARLY
GRAD	5	TIE	226 nicosulfuron	POST	LATE

Early Planting Back plots

Planted 6/26/2026

PRE 6/26/2026

POST 7/20/2026

Late Planting Front plots

Planted 7/10/2026

PRE 7/10/2026

POST 7/20/2026 systemic

7/24/2026 contact

Resistance

Corn

Corn

Soybean

Soybean

Cotton

Palmer amaranth

Gly

Gly+Glu+Fop+2,4-D

Gly+Glu+Dicamba

Gly+Glu+2,4-D

Gly+Glu+Dicamba

Group 2, 3, 5, 9

RESTRICTED

Division	Problem	common name	herbicide family
GRAD	1	clomazone	Isoxaxolidinone
GRAD	2	rimuron	Sulfonylureas
GRAD	3	acetochlor	α -Chloroacetamides
GRAD	4	dicamba	Benzoates
GRAD	5	fluthiacet-methyl	N-Phenyl-imides
GRAD	6	quizalofop-ethyl	Aryloxyphenoxy-propionates
GRAD	7	lactofen	Diphenyl ethers
GRAD	8	isoxaflutole	Isoxazoles
GRAD	9	clethodim	Cyclohexanediones
GRAD	10	topramazone	Pyrazoles
GRAD	T1	clopyralid	Pyridine-carboxylates
GRAD	T2	tembotrione	Triketones
GRAD	T3	fomesafen	Diphenyl ethers
GRAD	T4	glyphosate	Glycine
GRAD	T5	nicosulfuron	Sulfonylureas
UNDERGRAD	1	clomazone	Isoxaxolidinone
UNDERGRAD	2	rimuron	Sulfonylureas
UNDERGRAD	3	fomesafen	Diphenyl ethers
UNDERGRAD	4	glyphosate	Glycine
UNDERGRAD	5	glufosinate	Phosphinic acids
UNDERGRAD	6	mesotrione	Triketones
UNDERGRAD	7	nicosulfuron	Sulfonylureas
UNDERGRAD	8	2,4-D	Phenoxy-carboxylates
UNDERGRAD	9	paraquat	Pyridiniums
UNDERGRAD	10	clethodim	Cyclohexanediones
UNDERGRAD	T1	clopyralid	Pyridine-carboxylates
UNDERGRAD	T2	tembotrione	Triketones
UNDERGRAD	T3	dicamba	Benzoates
UNDERGRAD	T4	fluthiacet-methyl	N-Phenyl-imides
UNDERGRAD	T5	lactofen	Diphenyl ethers

site of action	group number
Inhibition of Deoxy-D-Xyulose Phosphate Synthase	13
Inhibition of Acetolactate Synthase	2
Inhibition of Very Long-Chain Fatty Acid Synthesis	15
Auxin Mimics	4
Inhibition of Protoporphyrinogen Oxidase	14
Inhibition of Acetyl CoA Carboxylase	1
Inhibition of Protoporphyrinogen Oxidase	14
Inhibition of Hydroxyphenyl Pyruvate Dioxygenase	27
Inhibition of Acetyl CoA Carboxylase	1
Inhibition of Hydroxyphenyl Pyruvate Dioxygenase	27
Auxin Mimics	4
Inhibition of Hydroxyphenyl Pyruvate Dioxygenase	27
Inhibition of Protoporphyrinogen Oxidase	14
Inhibition of Enolpyruvyl Shikimate Phosphate Synthase	9
Inhibition of Acetolactate Synthase	2
Inhibition of Deoxy-D-Xyulose Phosphate Synthase	13
Inhibition of Acetolactate Synthase	2
Inhibition of Protoporphyrinogen Oxidase	14
Inhibition of Enolpyruvyl Shikimate Phosphate Synthase	9
Inhibition of Glutamine Synthetase	10
Inhibition of Hydroxyphenyl Pyruvate Dioxygenase	27
Inhibition of Acetolactate Synthase	2
Auxin Mimics	4
PS I Electron Diversion	22
Inhibition of Acetyl CoA Carboxylase	1
Auxin Mimics	4
Inhibition of Hydroxyphenyl Pyruvate Dioxygenase	27
Auxin Mimics	4
Inhibition of Protoporphyrinogen Oxidase	14
Inhibition of Protoporphyrinogen Oxidase	14