

Unknown Herbicide CROP-WEED list

List of Crops (planted from seed unless otherwise noted)

- 1 Alfalfa
- 2 Canola
- 3 Corn, field
- 4 Pumpkins
- 5 Peas and/or snap beans
- 6 Soybean
- 7 Sunflower
- 8 Wheat
- 9 Grain sorghum
- 10 Potato or tomato

List of Weeds

- 1 Barnyardgrass
- 2 Crabgrass, large
- 3 Foxtail, giant
- 4 Foxtail, yellow (optional)
- 5 Pigweed (*Amaranthus*) species
- 6 Lambsquarters, common
- 7 Velvetleaf
- 8 Morningglory (*Ipomoea*) spp.
- 9 Nutsedge, yellow

NEWSS COLLEGIATE WEED CONTEST

No.	Herbicide	Familiar Trade Names	Herbicide Family	Mode of Action	WSSA	Application Timing
1	Clethodim	Select Max	cyclohexanedione	Fatty acid synthesis inhibitor	1	POST
2	Chlorimuron	Classic	sulfonylurea	ALS inhibitor	2	PRE
3	Halosulfuron	Permit/Sandea	sulfonylurea	ALS inhibitor	2	POST
4	Nicosulfuron	Accent Q	sulfonylurea	ALS inhibitor	2	POST
5	Thifensulfuron	Harmony SG	sulfonylurea	ALS inhibitor	2	POST
6	Imazethapyr	Pursuit	imidazolinone	ALS inhibitor	2	POST
7	Pendimethalin	Prowl H ₂ O	dinitroaniline	Seedling root/shoot inhibitor	3	PRE
8	s-Metolachlor	Dual II Magnum	chloroacetamide	Seedling shoot inhibitor	15	PRE
9	Pyroxasulfone	Zidua	isoxazolines	Seedling shoot inhibitor	15	PRE
10	2,4-D	Various	phenoxy	Plant growth regulator	4	POST
11	Dicamba	Clarity	benzoic acid	Plant growth regulator	4	POST
12	Atrazine	Aatrex	triazine	Photosystem II inhibitor	5	PRE
13	Metribuzin	Metribuzin DF	triazine	Photosystem II inhibitor	5	PRE
14	Bentazon	Basagran	benzothiadiazole	Photosystem II inhibitor	6	POST
15	Bromoxynil	Maestro	nitrile	Photosystem II inhibitor	6	POST
16	Glyphosate	Roundup PowerMax 3	amino acid analog	Amino acid synthesis	9	POST
17	Glufosinate	Liberty Ultra	amino acid analog	Nitrogen metabolism disrupter	10	POST
18	Clomazone	Command	isoxazolidinone	Pigment inhibitor	13	PRE
19	Flumioxazin	Valor EZ	phenylphthalimide	PPO inhibitor	14	PRE
20	Fomesafen	Reflex	diphenyl ether	PPO inhibitor	14	POST
21	Saflufenacil	Sharpen	pyrimidinedione	PPO inhibitor	14	PRE
22	Paraquat	Gramoxone 3SL	bipyridylum	Cell membrane disrupter	22	POST
23	Isoxaflutole	Balance Flexx	isoxazole	HPPD inhibitor	27	PRE
24	Mesotrione	Callisto	triketone	HPPD inhibitor	27	POST
25	Topramezone	Impact	triketone	HPPD inhibitor	27	POST
26	Indaziflam	Alion	alkylazine	Cellulose synthesis inhibitor	29	PRE

No.	Herbicide	Familiar Trade Names	Application Timing	Formulation	Per Acre	Per Hectare
1	Clethodim	Select Max	POST	1 EC	1 pt	1169 mL
2	Chlorimuron	Classic	PRE	25 WG	1.5 oz	105 g
3	Halosulfuron	Permit/Sandea	POST	75 WG	0.67 oz	47 g
4	Nicosulfuron	Accent Q	POST	54.5 WG	0.9 oz	63 g
5	Thifensulfuron	Harmony SG	POST	50 SG	0.5 oz	35 mL
6	Imazethapyr	Pursuit	POST	2 AS	4 fl oz	292 mL
7	Pendimethalin	Prowl H ₂ O	PRE	3.8 CS	3 pt	3508 mL
8	s-Metolachlor	Dual II Magnum	PRE	7.64 EC	1.33 pt	1555 mL
9	Pyroxasulfone	Zidua	PRE	4.17 SC	4 fl oz	292 mL
10	2,4-D	Various	POST	4 lb/gal amine	1 pt	1169 mL
11	Dicamba	Clarity	POST	4 S	0.5 pt	585 mL
12	Atrazine	Aatrex	PRE	4 L	1 qt	2339 mL
13	Metribuzin	Metribuzin DF	PRE	75 DF	0.5 lb	860 g
14	Bentazon	Basagran	POST	4 L	1 qt	2339 mL
15	Bromoxynil	Maestro	POST	2 EC	1.5 pt	1754 mL
16	Glyphosate	Roundup PowerMax 3	POST	4.8 lb ae/gal	27 fl oz	1972 mL
17	Glufosinate	Liberty Ultra	POST	1.76 SL	24 fl oz	1752 mL
18	Clomazone	Command	PRE	3 ME	1 pt	1169 mL
19	Flumioxazin	Valor EZ	PRE	4 SC	2 fl oz	146 g
20	Fomesafen	Reflex	POST	2 L	1 pt	1169 mL
21	Saflufenacil	Sharpen	PRE	2.85 SC	2.5 fl oz	183 mL
22	Paraquat	Gramoxone 3SL	POST	3 L	1.3 pt	1521 mL
23	Isoxaflutole	Balance Flexx	PRE	2 SC	3 fl oz	219 mL
24	Mesotrione	Callisto	POST	4 SC	3 fl oz	219 mL
25	Topramezone	Impact	POST	2.8 SC	0.75 fl oz	55 mL
26	Indaziflam	Alion	PRE	1.67 SC	5 fl oz	365 mL

NOTE: Application rates are in amount of product per acre/hectare; appropriate adjuvants will be added to POST applications; rates are based on sandy soils.