

Herbicide Effectiveness in Sweet Corn

Weeds	Preplant incorporated or preemergence						Postemergent								
	atrazine (Atrazine) ¹	mesotrione (Callisto)	s-metolachlor (Dual II Magnum or Dual Magnum)	dimethenamid-P (Outlook)	pendimethalin (Prowl) ²	pyoxasulfone (Ztúa)	nicosulfuron (Accent) ³	carfentrazone (Aim) ⁴	atrazine (Atrazine) ⁵	bentazon (Basagran) ⁶	mesotrione (Callisto)	tembotrione (Laudis)	tolpyralate (Shieldex)	topramezone (Impact)	2,4-D ⁷
ANNUAL GRASSES															
Barnyardgrass (<i>Echinochloa crus-galli</i>)	F	P	G	E	G	G	G	VP	G	VP	P	E	E	E	VP
Crabgrass (<i>Digitaria</i> spp.)	P	P	G	E	E	F	P	P	P	P	P	P	P	P	VP
Foxtails (<i>Setaria</i> spp.)	F	VP	G	G	E	G	G	VP	F	VP	VP	G	G	G	VP
Wild proso millet (<i>Panicum miliaceum</i>)	P	P	F	G	G	F	G-E	VP	P	VP	P	E	E	E	VP
Witchgrass (<i>Panicum capillare</i>)	P	P	E	E	G-E	G	G	P	P	VP	P	G	G	G	VP
BROADLEAVES															
Pigweed (<i>Amaranthus</i> spp.)	F-E	G	G	G	G	G	G	G	F-E	G	G	E	E	E	G
Lambsquarters (<i>Chenopodium</i> spp.)	E	G	F	P	G	F	P	G	E	E	G	E	E	G	F
Nightshade (<i>Solanum</i> spp.)	G	G	F	G	P	G	VP	G	G	G	G	E	E	E	F
Smartweed (<i>Polygonum</i> spp.)	G	G	P	F	F	F	P	G	G	E	G	E	E	E	F
Purslane, common (<i>Portulaca oleracea</i>)	G	G	F	G	G	E	P	P	G	P	G	VP	VP	VP	P
Wild buckwheat (<i>Polygonum convolvulus</i>)	F	P	F	F	G	P	F	F	G	G	P	P	P	P	G
PERENNIALS															
Yellow nutsedge (<i>Cyperus esculentus</i>)	F	P	G	G	P	F	F	VP	F	F	F-G	VP	P	P	VP
Canada thistle (<i>Cirsium arvense</i>)	P	P	VP	VP	P	P	F	VP	F	F-G	VP	P	P	P	F
Quackgrass (<i>Elymus repens</i>)	F	P	VP	P	P	P	G	VP	F	VP	VP	VP	VP	P	VP
Field bindweed (<i>Convolvulus arvensis</i>)	-	-	-	-	-	-	-	-	VP	-	VP	VP	VP	VP	-
Field horsetail (<i>Equisetum arvense</i>)	-	-	-	-	-	-	-	-	VP	-	VP	VP	VP	VP	-

E = Excellent, 90 to 100%; G = Good, 80 to 90% control; F = Fair, 70 to 80% control; P = Poor, 60 to 70% control; VP = Very poor or no effect, <60% control

¹ Depends on level of triazine resistance

² May cause corn to lodge

³ Do not use with organophosphate insecticides

⁴ Must be applied to small seedlings for good effectiveness

⁵ Must be applied with crop oil concentrate to small weeds

⁶ Good control with two applications 10 days apart

⁷ Must be directed to prevent corn injury