

SOYBEAN WEED RESPONSE TO HERBICIDES

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	Prowl Pendimax	Scepter	Treflan	Squadron	Sonalan	Sencor	Pursuit	Canopy	Canopy XL
PREPLANT INCORPORATED									
PERENNIAL WEEDS									
bermudagrass	P	P	P	P	P	P	P	P	P
johnsongrass (rhizome)	P	P	P	P	P	P	P	P	P
yellow nutsedge	P	F-G	P	F-G	P	P	F-G	F	G-E
purple nutsedge	P	P-F	P	P-F	P	P	G	P	G
ANNUAL GRASSES									
broadleaf signalgrass	G	P-F	G	G	G	P-F	P		G-E
crabgrass	E	F	E	E	E	G	P	G	G-E
crowfootgrass	E		E	G		G	P	G	G
fall panicum	E	P	E	G	E	P	P		F
goosegrass	E	F	E	G	E	G	P	G	E
johnsongrass (seedling)	E	F	E	E	E	P	P	P	F-G
sandbur	E		E	G		P	P		P-F
Texas panicum	G-E	F	G-E	G-E	G-E	P	P		F
BROADLEAF WEEDS									
bristly starbur	P	F	P	F	P	G	F	G	G
burcucumber	P	F-G	P	F-G	P	P	P	F	
citronmelon	P	P	P	P	P	F	P-F		
cocklebur	P	G	P	G	P	F	F-G	G-E	G
coffee senna	P	F	P	F	P	G	F-G	G	E
common ragweed	P	G	P	G	P	G	P	G	P-F
copperleaf	P	P	P	P	P	G-E		G-E	
cowpea	P	P	P	P	P	F	P	F	
crotalaria	P		P		P	G		F	
Florida beggarweed	P	P-F	P	P	P	E	P	E	E
Florida pusley	E	E	E	E	E	E	E	E	E
hemp sesbania	P	P	P	P	P	G-E	P	G-E	F-G
jimsonweed	P	G	P	G	P	G	G	G	F-G
lambquarters	G-E	G	G-E	G-E	E	G-E	F	G-E	G-E
morningglories									
cypressvine	P	F	P	F	P	F-G	G	F-G	E
entireleaf	P	F	P	G	P	P-F	G	G	E
ivyleaf	P	F	P	G	P	P-F	G	G	E
pitted	P	G	P	G	P	F-G	G	G	F-G
red	P	F	P	G	P	F	G		
smallflower	P	G	P	G	P	G	E	G	E
tall	P	F	P	G	P	P-F	G	F-G	E
Pennsylvania smartweed	P	G	P	G	P	G		G	E
pigweeds**	G-E	E	G-E	E	G-E	E	E	E	E
prickly sida	P	F	P	F-G	P	G-E	G-E	G-E	F-G
purslane	E		E	E	E	G-E		E	G-E
redweed	P	P-F	P	F	P				F
sicklepod	P	F-G	P	F	P	F-G	P	G	P
tropic croton	P		P	P	P	G	P	G	E
tropical spiderwort	P					G	F-G	G	G
velvetleaf	P	P-F	P	P-F	P	G-E	G	G	
wild poinsettia	P	G	P	G	P	G	E	G	P-F

Key to response symbols: E=Excellent; G=Good; F=Fair; P=Poor. If no symbol is given, weed response is unknown.

** Control of ALS resistant pigweed may be less than indicated with the following herbicides: Pursuit (imazethapyr), Scepter (imazaquin), Classic (chlorimuron), Firstrate (cloransulam), Python (flumetsulam). Refer to tank-mix table for premixes that contain these products.

SOYBEAN WEED RESPONSE TO HERBICIDES (continued)

	Python	Prowl Pendimax	Squadron	Dual Magnum ¹	Command	Intrro	Pursuit	Linex Lorox	Sencor
	PREEMERGENCE								
PERENNIAL WEEDS									
bermudagrass	P	P	P	P	P	P	P	P	P
johnsongrass (rhizome)	P	P	P	P	P	P	P	P	P
yellow nutsedge	P	P	F-G	F-G	P	F	F-G	P	P
purple nutsedge	P	P	P-F	P	P	P	G	P	P
ANNUAL GRASSES									
broadleaf signalgrass		G	G	F-G	E	F-G	P		P
crabgrass	P	G-E	G-E	E	E	E	P	G	G
crowfootgrass	P	G-E	G-E	G	G	E	P	G	G
fall panicum	P	G	G	G	G	G	P	G	P
goosegrass	P	G	G	E	G	E	P	G	G
johnsongrass (seedling)	P	G	G		F		P		P
sandbur	P	G	G	G	F	G	P	G	
Texas panicum	P	G	G	P	F-G	P	P		P
BROADLEAF WEEDS									
bristly starbur	E	P	F	P		F	F	F	G
burcucumber	P	P	P-F	P	P	P	P	P	P
citronmelon		P	P	P	P	P			F
cocklebur	E	P	G	P	P	P	F-G	P	F
coffee senna	F	P	F	P	F	P-F	P		G
common ragweed	G	P	G	P	F-G	P	P	G	G
copperleaf	F	P	P	P		P	P	P	G-E
cowpea	P	P	P	P	P	P	P	P	F
crotalaria		P							F
Florida beggarweed	F-G	P	P	P-F	F-G	F	P	G	E
Florida pusley	G	G	E	G	G	G	E	G	G
hemp sesbania		P	P	P		P	P		G-E
jimsonweed	P	P	G	P	F-G	P	G		G
lambsquarters	E	G	E	F	G-E	F	P-F	G-E	G
morningglories									
cypressvine	F-G	P	F				G		F-G
entireleaf	F-G	P	G	P	P	P	G	G	P-F
ivyleaf	F-G	P	G	P	P	P	G	G	P-F
pitted	F-G	P	E	P	P	P	G	G	F-G
purple	P	P	P-F	P	P	P	P		P
red	F-G	P	G	P	P		G		F
smallflower	G-E	P	G	P-F	G	P-F	E	G	G
tall	F-G	P	G	P	P	P	G	G	P-F
Pennsylvania smartweed		P	G	P	G	P			G
pigweeds***	E	G	E	G	P-F	G	E	G	G
prickly sida	E	P	G	F	G	G	G-E		G
purslane		E	E	G	G	G		G	G-E
redweed	G	P	F						
sicklepod	F-G	P	F	P	P	P-F	P	P	F-G
tropic croton		P	P	P	G	P	P		G
tropical spiderwort		P		G	F		F-G		F-G
velvetleaf	E	P	P-F	P	E	P	G		G
wild poinsettia	G	P	G	P	P	P	G-E		G

Key to response symbols: E=Excellent; G=Good; F=Fair; P=Poor. If no symbol is shown, weed response is unknown.

*** Control of ALS resistant pigweed may be less than indicated with the following herbicides: Pursuit (imazethapyr), Scepter (imazaquin), Classic (chlorimuron), Firstrate (cloransulam), Python (flumetsulam), Harmony GT XP (thifensulfuron). Refer to tank-mix table for pre-mixes that contain these products.

¹The generic formulations of metolachlor (**Parallel PCS, Stalwart, Me-Too-Lachlor**) have not provided the same length of residual control of certain weeds as similar rates of Dual Magnum formulations in some UGA field trials.

SOYBEAN WEED RESPONSE TO HERBICIDES (continued)

	Scepter	Valor	Valor XLT Envive	Reflex	Prefix	Assure II	Poast	Fusilade DX	Ultra Blazer	Basagran
	PREEMERGENCE					POSTEMERGENCE				
PERENNIAL WEEDS										
bermudagrass	P	P	P			G-E	F	G-E	P	P
johnsongrass (rhizome)	P	P	P			E	G	E	P	P
yellow nutsedge	F-G	P	F-G	G-E	G-E	P	P	P	P	G*
purple nutsedge	P-F	P	P-F			P	P	P	P	P
ANNUAL GRASSES										
broadleaf signalgrass	P-F	P	P	F-G	F-G	G	E	E	P	P
crabgrass	F	P	P	F-G	E	F-G	G	F	P	P
crowfootgrass		P	P		G	G	F-G	F	P	P
fall panicum	P-F	P	P		G	G	G	G	P	P
goosegrass	P-F	P	P		E	F-G	F-G	F-G	P	P
johnsongrass (seedling)	P	P	P			E	G-E	G-E	P	P
sandbur		P	P		G		G	G	P	P
Texas panicum	F	P	P	F	F	F-G	E	G-E	P	P
BROADLEAF WEEDS										
bristly starbur	F	F	F-G	G		P	P	F-G	F	E
burcucumber	P-F	P	P-F			P	P	P	F	P
citronmelon		G	G			P	P	P	G-E	P
cocklebur	E	P	F-G	G	G	P	P	P	G	E
coffee senna	F	P-F	F-G	P	P	P	P	P	P-F	G
common ragweed	G	G-E	G-E	G	G	P	P	P	E	G
copperleaf	P	G-E	G-E			P	P	P	G-E	P
cowpea	P	P	P			P	P	P	F	P
crotalaria		G	G			P	P	P	E	P
Florida beggarweed	P	G-E	G-E	P	P-F	P	P	P	P-F	P
Florida pusley	G-E	G-E	G-E	P	G	P	P	P	E	P
hemp sesbania		G	G-E	P	P	P	P	P	E	P
jimsonweed	E	G	G			P	P	P	E	E
lambsquarters	G-E	G-E	G-E			P	P	P	F	F
morningglories										
cypressvine	F-G	G	G	F	F	P	P	P	G-E	G-E
entireleaf	P	F-G	F-G	F	F	P	P	P	G	P
ivyleaf	P	F-G	F-G	F	F	P	P	P	G	P
pitted	G	F	F-G	F	F	P	P	P	G-E	F
purple	P			F	F	P	P	P	G-E	P
red	F	G	G	F	F	P	P	P	G-E	F-G
smallflower	G	G-E	G-E	G-E	G-E	P	P	P	G-E	G-E
tall	F	F-G	F-G	F	F	P	P	P	G	F
Pennsylvania smartweed		P-F	F			P	P	P	G	G-E
pigweeds**	E	G-E	G-E	G-E	G-E	P	P	P	E	F
prickly sida	G-E	G-E	G-E			P	P	P	P	G
purslane		G-E	G-E	G	G	P	P	P	E	G
redweed		G-E	G-E			P	P	P		G-E
sicklepod	F	P	F			P	P	P	P-F	P
tropic croton	P	G	G	F-G	F-G	P	P	P	E	P
tropical spiderwort		P-F	F	P	G-E	P	P	P	P	G
velevetleaf	P-F	G-E	G-E			P	P	P	F	G-E
wild poinsettia	G	F-G	F-G	G-E	G-E	P	P	P	G	P

Key to response symbols: E=Excellent (>90%); G=Good (80-89%); F=Fair (70-79%); P=Poor (<70%). If no symbol is given, weed response is unknown.

*Assumes 2 applications.

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SOYBEAN WEED RESPONSE TO HERBICIDES (continued)

	Storm	2,4-DB	Scepter	Classic	Reflex	Cobra	Select Arrow	Glyphosate
POSTEMERGENCE (Continued)								
PERENNIAL WEEDS								
bermudagrass	P	P	P	P	P	P	G-E	P-F
johnsongrass (rhizome)	P	P	P	P	P	P	E	G-E
yellow nutsedge	P	P	P-F	G	F	P-F	P	F
purple nutsedge	P	P	P	P-F	P	P	P	G
ANNUAL GRASSES								
broadleaf signalgrass	P	P	P	P	P	P-F	E	E
crabgrass	P	P	P	P	P	P-F	G	E
crowfootgrass	P	P	P	P	P	P	G	E
fall panicum	P	P	P	P	P	P	G	E
goosegrass	P	P	P	P	P	P	F-G	E
johnsongrass (seedling)	P	P	F	P	P	P	E	E
sandbur	P	P	P	P	P	P-F	G	E
Texas panicum	P	P	P	P	P	P	G-E	E
BROADLEAF WEEDS								
bristly starbur	G			G		G	P	G
burcucumber	P-F	P	P	G	F	F	P	E
citronmelon	G	P				G	P	G
cocklebur	G-E	G-E	E	E	F-G	G-E	P	E
coffee senna	G	F	F	P	P	P-F	P	G
common ragweed	G-E	P	F-G	G	G-E	E	P	G
copperleaf	G	P	P	P	G-E	G-E	P	P-F
cowpea	P-F	P-F	P	G	F	P-F	P	F-G
crotalaria	E				G-E	E	P	G
Florida beggarweed	P	P	P	E	P	P-F	P	G
Florida pusley	E		F	F	G	F-G	P	P-F
hemp sesbania	E	P	P	E	G	E	P	F
jimsonweed	E	G	P	G-E	G	E	P	G
lambquarters	G		F	P	P-F	P-F	P	G
morningglories								
cypressvine	G-E	F	F	P	G-E	G-E	P	F
entireleaf	F-G	G	P	F-G	F	F-G	P	F
ivyleaf	F-G	G	P	F-G	F	F-G	P	F
pitted	G	G	F	G	G	G	P	P-F
purple	G	G	P	P	G-E	F-G	P	P-F
red	G	G-E	F-G	G-E	G-E	G-E	P	F
smallflower	G-E	G	F	G-E	G	G-E	P	F
tall	G	G-E	P-F	P-F	G	G	P	F
Pennsylvania smartweed	G-E	P	F	G	G	G-E	P	G
pigweeds**	G-E	G	E	F*	E	E	P	G-E
prickly sida	G	P	P	P	P	G	P	P-F
purslane	G	G				E	P	G
redweed	G-E			F		F	P	G
sicklepod	P	F	F	F-G	P	P-F	P	E
tropic croton	G-E	P		P		E	P	G
tropical spiderwort	F						P	P
velevetleaf	F-G	P	P	G-E	F	F	P	G
wild poinsettia	F-G	P	F	F	F-G	G-E		G

Key to response symbols: E=Excellent (>90%); G=Good (80-89%); F=Fair (70-79%); P=Poor (<70%). If no symbol is given, weed response is unknown.

*Classic does not provide adequate control of Palmer amaranth.

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SOYBEAN WEED RESPONSE TO HERBICIDES (continued)

	FirstRate Amplify	Front Row	Pursuit	Harmony GT XP or SG	2,4-DB	Paraquat	Sencor	Sencor + 2,4-DB
	POSTEMERGENCE				POST-DIRECTED			
PERENNIAL WEEDS								
bermudagrass	P	P	P	P	P	P	P	P
johnsongrass (rhizome)	P	P	P	P	P	P	P	P
yellow nutsedge	P-F	P	F-G	P	P	P-F		P-F
purple nutsedge	P-F	P	G	P	P	P-F		
ANNUAL GRASSES								
broadleaf signalgrass	P	P	G	P	P	G		G
crabgrass	P	P	F	P	P	F	E	G-E
crowfootgrass	P	P	F	P	P	G	E	G-E
fall panicum	P	P	F	P	P	G	G	G
goosegrass	P	P	F	P	P	G	E	G-E
johnsongrass (seedling)	P	P	F-G	P	P	G	G	G
sandbur	P	P		P	P	G	E	G
Texas panicum	P	P	P	P	P	G	F	F-G
BROADLEAF WEEDS								
bristly starbur	E	E	F		G	G	G	E
burcucumber	F		P	P-F	P	G		
citronmelon			P		F	F	G	G-E
cocklebur	E	E	G-E	F	E	G	E	E
coffee senna			F		F-G			G-E
common ragweed	E	E	P		G	G	G	E
copperleaf	P		P		P			G-E
cowpea	P	P	P		P-F	G		G
crotalaria			P			G	E	E
Florida beggarweed	F-G	F-G	P		P	G	E	E
Florida pusley	F	F	P			F-G	G	G
hemp sesbania	P	P-F	P		P	P		G
jimsonweed	P	P	F	F	G	G	E	G
lambsquarters	P	F	P	G-E	G	F-G	E	E
morningglories								
cypressvine	G	G	G		F	F	E	E
entireleaf	G	G	G		G	F-G	F	E
ivyleaf	G	G	G		G	F-G	F	E
pitted	G	G	G		G	F-G	G-E	G-E
pruple	P-F		P		G			G-E
red	G	G	G		G-E	F-G	G-E	E
smallflower	G	G	G		G	F-G	G-E	E
tall	G	G	G		G-E	F-G	F	G
Pennsylvania smartweed			F-G	G-E	P	P-F		F-G
pigweeds**	P	F	E	G-E	G	G	E	E
prickly sida	P	E	P		P	P-F	E	G-E
purslane					G	G	G	G
redweed			F		P			
sicklepod	F	F-G	P		G	G	E	G-E
tropic croton			P		P	G	G	G
tropical spiderwort						G-E		
velvetleaf	G		G		P			F
wild poinsettia	G	G	P-F		P	F-G	P-F	F

Key to response symbols: E=Excellent (>90%); G=Good (80-89%); F=Fair (70-79%); P=Poor (<70%). If no symbol is given, weed response is unknown.
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SOYBEAN WEED RESPONSE TO HERBICIDES (continued)

	Gramoxone	Glyphosate	Ignite	Glyphosate
	NO-TILL			ROPEWICK
PERENNIAL WEEDS				
bermudagrass	P-F	G	P	P
johnsongrass (rhizome)	P-F	G	F	G-E
yellow nutsedge	F	F	P	P
purple nutsedge	F	G	P	P
ANNUAL GRASSES				
broadleaf signalgrass	G	G	G	P
crabgrass	F-G	G	F-G	P
crowfootgrass	G	G	G	P
fall panicum	G	G	G	P
goosegrass	G	G	P	P
johnsongrass (seedling)	G	G	G	G-E
sandbur	G	G	G	P
Texas panicum	G	G	G	P
BROADLEAF WEEDS				
bristly starbur	G	G	G	G
burcucumber	G	E	G	E
citronmelon	F		G	P
cocklebur	G	G	E	G
coffee senna	G-E	G	G	G
common ragweed	G	G	E	F
copperleaf				
cowpea	G		G	P
crotalaria	G	G		
Florida beggarweed	G	G	G	F
Florida pusley	F-G	P-F	P-F	P
hemp sesbania	G	G		P
jimsonweed	G	G	E	G
lambquarters	G	G	E	G
morningglories				
cypressvine	G	G	E	P
entireleaf	G	G	E	P
ivyleaf	G	G	E	P
pitted	G	G	E	P
red	G	G	E	P
smallflower	P-F	G	E	P
tall	G	G	E	P
Pennsylvania smartweed	F-G	G	G-E	P
pigweeds**	G	G	F-G	F-G
prickly sida	G	G	G-E	P
purslane	G	G	F	P
redweed	G	G		P
sicklepod	G	G	E	G
tropic croton	G	G	G	P
tropical spiderwort	G	P	P-F	P
velvetleaf				G
wild poinsettia	G	G	P-F	P

Key to response symbols: E=Excellent (>90%); G=Good (80-89%); F=Fair (70-79%); P=Poor (<70%).
If no symbol is given, weed response is unknown. ROPEWICK = Ropewick Applicator.

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SOYBEAN WEED RESPONSE TO HERBICIDES (continued)

PREPACKAGED TANK-MIXES FOR SOYBEANS [See manufacturer's label for specific rates and application uses.]			
Product Name	Active Ingredients (lbs ai/gal or % ai)	Product Name	Active Ingredients (lbs ai/gal or % ai)
Axiom	flufenacet (54.4%) + metribuzin (13.6%)	Authority First	sulfentrazone (62.1%) + chloransulam (7.9%)
Backdraft	imazaquin (0.25) + glyphosate (1.25)		
Boundary	metribuzin (1.25) + S-metolachlor (5.25)	Broadstrike + Treflan	flumetsulam (0.25) + trifluralin (3.4)
Canopy	chlorimuron (10.7 %) + metribuzin (64.3 %)	Canopy EX	chlorimuron (22.7%) + tribenuron (6.8%)
Canopy XL	sulfentrazone (46.9%) + chlorimuron (9.4%)		
Commence	clomazone (2.25) + trifluralin (3.0)	Concert	chlorimuron (12.5%) + thifensulfuron (12.5%)
Detail	imazaquin (0.5) + dimethenamid (3.6)	Domain	flufenacet (24%) + metribuzin (36%)
Enlite	chlorimuron (2.85%) + flumioxazin (36.21%) + thifensulfuron (8.8%)	Envive	chlorimuron (9.2%) + flumioxazin (29.2%) + thifensulfuron (2.9%)
Extreme	imazethapyr (0.17) + glyphosate (2.0)	Freedom	alachlor (2.67) + trifluralin (0.33)
Fusion	fluazifop (2.0) + fenoxaprop (0.56)	Galaxy	bentazon (3.0) + acifluorfen (0.67)
Gangster	flumioxazin (51%) + cloransulam (84%)	Gauntlet	sulfentrazone (75%) + cloransulam-methyl (84%)
Prefix	fomesafen (0.95) + S-metolachlor (4.34)	Passport	trifluralin (2.4) + imazethapyr (0.2)
Pursuit Plus	imazethapyr (0.2) + pendimethalin (2.7)	Reliance STS	thifensulfuron (9%) + chlorimuron (16%)
Sequence	glyphosate (2.25) + S-metolachlor (3.0)	Sonic	sulfentrazone (62.1%) + chloransulam (7.9%)
Squadron	imazaquin (0.33) + pendimethalin (2.0)	Steel	pendimethalin (2.25) + imazethapyr (0.17) + imazaquin (0.17)
Stellar	lactofen (2.4) + flumiclorac (0.7)	Storm	bentazon (2.67) + acifluorfen (1.33)
Synchrony XP	chlorimuron (21.5%) + thifensulfuron (6.9%)	Typhoon	fluazifop (0.47) + fomesafen (0.94)

Pre-Mixtures and Equivalent Rates

Pre-Mixture	Rate/A	Equivalent
Boundary 6.5EC	1.5 pt	Dual Magnum 7.62EC @ 16.5 oz/A Sencor 75DF @ 4.9 oz/A
Canopy 75DG	6 oz	Sencor 75DG @ 5.1 oz/A Classic 25DG @ 2.57 oz/A
Envive 41.3DG	3 oz	Valor SX 51WG @ 1.72 oz/A Classic 25DG @ 1.1 oz/A Harmony GT XP 75DF @ 0.116 oz/A
Prefix 5.29EC	2 pt	Dual Magnum 7.62EC @ 18.2 oz/A Reflex 2L @ 15.2 oz/A
Sequence 5.25EC	3 pt	Dual Magnum 7.62EC @ 18.9 oz/A Touchdown Total @ 26 oz/A
Valor XLT 40.3WDG	3 oz	Valor SX 51G @ 1.76 oz/A Classic 25DG @ 1.24 oz/A