

## TURFGRASS WEED RESPONSE TO HERBICIDES

	atrazine	benefin	bensulide	dithiopyr	ethofume -sate	indaziflam	isoxaben	mesotrione	oryzalin	oxadiazon	pendimeth -alin	prodia -mine	pronamide	simazine
Time of application	<b>PREEMERGENCE</b>													
<b>PERENNIAL WEEDS</b>														
bahiagrass	F	P	P	P	P	P	P		P	P	P	P	P	P
bermudagrass	P	P	P	P	P-G	P	P	P	P	P	P	P	P	P
dallisgrass	P	P	P	P	P	P	P	P	P	P	P	P	P	P
nutsedge, purple	P	P	P	P	P	P	P	P	P	P	P	P	P	P
nutsedge, yellow	P	P	P	P	P	P	P	F	P	P	P	P	P	P
tall fescue	F	P	P	P	F	P	P	P	P	P	P	P	G	F
wild garlic/onion	P	P	P	P	P		P		P	P	P	P	P	P
<b>ANNUAL GRASSES</b>														
annual bluegrass	E	E	F	G	G-E	E	P	P	G	G	G	E	E	E
crabgrass	F	E	E	G-E	P	G-E	P	F	E	E	E	E	F	F
crowfootgrass		G	G		P			G	G	G	G			
goosegrass	P	F	F	F	P	G-E	P	P-F	F-G	E	F-G	G	P	P
sandbur		F	G		P		P		G	F	G			
<b>BROADLEAF WEEDS</b>														
carpetweed	E			G-E			G-E	E	G-E	G-E	G-E	G-E	G	G-E
chamberbitter (niruri)	G						G-E							
common chickweed	E	G	P	G		E	E	G	G	P	G	G	E	E
corn speedwell	E	E	P	G			G			G	E		G	G
cudweed	E	P					F		P	P	P		P	
dandelion	F	P	P	P		P	P		P	P	P	P	P	P
dichondra	F	P	P	P			P		P	P	P	P	P	P
docks	G	P	P	P			P		P	P	P	P	P	P
doveweed	G	P	P		P	G			P	P	P		P	G
Florida betony	E	P	P						P	P	P		P	P
ground ivy		P	P	P			P		P	P	P	P	P	P
henbit	E	G	P	G		G-E	E	G-E	G	P	G	G	P	E
hop clovers	E	P	P			G-E		G-E		G			P	E
knotweed	E		G				G		F	G				G
lespedeza	E			E		F						P		E
mallow, bristly		P	P	P			P		P	P	P	P	P	P
mock strawberry		P	P	P			P		P	P	P	P	P	P

Key to response symbols: E – Excellent control (0 to 100%), G = Good control (80 to 89%), F = Fair Control (70 to 79%), P = Poor control (<70%)

A blank space indicated weed response is not known.

**TURFGRASS WEED RESPONSE TO HERBICIDES (continued)**

	atrazine	benefin	bensulide	dithiopyr	ethofume -sate	indaziflam	isoxaben	mesotrione	oryzalin	oxadiazon	pendimeth- alin	prodia -mine	pronamide	simazine
Time of application	<b>PREEMERGENCE</b>													
<b>BROADLEAF WEEDS (continued)</b>														
mouseear chickweed		E	P			G-E	G	G	P	P	G		G	
mugwort		P	P	P			P	P	P	P	P	P	P	P
mustards	E		G							E				
parsley piert	E	P	E			G	E			G	P		P	G
pennywort	F	P	P						P	P	P		P	P
plantains	G	P	P	P		G-E			P	P	P	P	P	P
purslane, common	G			G			E	G-E		G	G	G		G
spurges	E	P	P	G			E		P	P	F			G
spurweed (burweed)	E	P	P	P			G		F	P	G	P	P	E
star-of-Behlehem	P	P	P	P	P		P		P	P	P	P	P	P
VA buttonweed		P	P	P		P	P		P	P	P	P	P	P
violets		P	P	P			P		P	P	P	P	P	P
white clover	E	P	P	P		G	P	G-E	P	P	P	P	P	G
yellow woodsorrell	E	P	P	P			G		F	G	F	P	P	P

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**TURFGRASS WEED RESPONSE TO HERBICIDES (continued)**

	2,4-D	2,4-D + 2,4-DP	2,4-D+ MCPP + dicamba	atrazine	amicarb -azone	bentazon	bromoxy -nil	carfentra -zone	clethodim	clopyralid	dicamba	diclofop	fenoxa -prop	flaza -sulfuron
Time of application	<b>POSTEMERGENCE</b>													
<b>PERENNIAL WEEDS</b>														
bahiagrass	P	P	P	P-F		P	P	P		P	P	P	G	
bermudagrass	P	P	P	P	P	P	P	P	G	P	P	P	F-G	P
dallisgrass	P	P	P	P	P	P	P	P		P	P	P	P	P
nutsedge, purple	F	P	P	P	P	P	P	P	P	P	P	P	P	E
nutsedge, yellow	F	P	P	P	P	G	P	P	P	P	P	P	P	E
tall fescue	P	P	P	F	P	P	P	P		P	P	P	P	G-E
wild garlic/onion	G	G	G	P		P	P	P	P	P	F	P	P	
<b>ANNUAL GRASSES</b>														
annual bluegrass	P	P	P	E	P	P	P	P	F	P	P	P	P	G-E
crabgrass	P	P	P	F	P	P	P	P	E	P	P	P	G-E	P-F
crowfootgrass	P	P	P	P		P	P	P	E	P	P		G-E	
goosegrass	P	P	P	P	P	P	P	P	G-E	P	P	G-E	G-E	P
sandbur	P	P	P	F		P	P	P	G	P	P	P	G	
<b>BROADLEAF WEEDS</b>														
carpetweed	G	G-E	G-E	G-E				G-E	P		E	P	P	
chamberbitter (niruri)	P			G		P			P	P		P	P	
common chickweed	P	G	G	E		G	P	G	P	P	E	P	P	E
corn speedwell	F	F	F	E	G	P	G	G	P		F	P	P	
cudweed	G-E	G-E	E	G			G		P	E	E	P	P	G
dandelion	E	G	G	F		P	P	G	P	F	E	P	P	E
dichondra	G	G	G	F		P	P		P		G	P	P	P
docks	F	F	G	G		P			P	G	E	P	P	
doveweed	F	F	F-G	G-E		P	P		P	P	P	P	P	
Florida betony	F	G	G	F-G		P	P	P-F	P	P	G	P	P	
ground ivy	P-F	F	F			P	P	G	P		G	P	P	
henbit	P	G	G	E	E	P	G	G	P		E	P	P	
hop clovers	F	E	G	E			F		P	E	E	P	P	E
knotweed	P	F	G	E			F		P		E	P	P	
lespedeza	P-F	G	G	E					P	P	E	P	P	
mallow, bristly	F	F-G	F-G			P			P		E	P	P	
mock strawberry	P	P	G			P			P		G	P	P	

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**TURFGRASS WEED RESPONSE TO HERBICIDES (continued)**

	2,4-D	2,4-D + 2,4-DP	2,4-D+ MCPP + dicamba	atrazine	amicarb -azone	bentazon	bromoxy -nil	carfentra -zone	clethodim	clopyralid	dicamba	diclofop	fenoxa -prop	flaza -sulfuron
Time of application	<b>POSTEMERGENCE</b>													
<b>BROADLEAF WEEDS (continued)</b>														
mouseear chickweed	P-F	G	G	G	G	P			P	P	E	P	P	
mugwort	P	F	P-F			P			P	G	P-F	P	P	
mustards	E	G	G	E		G	G		P	P	E	P	P	
parsley piert	P	P	F	E	G-E	G	G		P	P	E	P	P	G
pennywort	G	G	G	F		P	P		P		E	P	P	
plantains	E	G	G	F		P	P		P		F	P	P	F-G
purslane, common	G	G	G-E	G		G-E		F	P		G	P	P	
spurges	F	G	G	E	G-E	P	F	F	P		G	P	P	F-G
spurweed (burweed)	G	E	G	E		E	G		P	E	E	P	P	
star-of-Behlehem	P	P	P	P		P	G	G-E	P	P	P	P	P	
VA buttonweed	P	P	P			P	G		P		F	P	P	
violets	P	P-F	P-F			P			P		F	P	P	
white clover	F	G	G	E		P			P	E	E	P	P	E
yellow woodsorrell	P	P-F	F	G		P	F		P		G	P	P	

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A blank space indicated weed response is not known.

**TURFGRASS WEED RESPONSE TO HERBICIDES (continued)**

	flumioxazolin	fluroxypyr	foramsulfuron	glyphosate	halosulfuron	imazaquin	MCPP	mesotrione	metasulfuron	metribuzin	MSMA DSMA	pronamide	rimsulfuron	sethoxydim
Time of application	<b>POSTEMERGENCE</b>													
<b>PERENNIAL WEEDS</b>														
bahiagrass		P	P	G	P	P	P	P	G-E	P	F	P	P	F
bermudagrass	P	P	P	E	P	P	P	P	P	P	P	P	P	F
dallisgrass	P	P	F*	E	P	P	P	P	P	P	F-G	P	P	P
nutsedge, purple	P	P	P	G	G-E	G	P	P	P	P	F	P	P	P
nutsedge, yellow	P	P	P	E	G-E	F-G	P	F	P	P	F	P	P	P
tall fescue		P	G-E	E	P	P-F	P	P	P	F	P	E	G	P-F
wild garlic/onion				G	P	E	P		E	P	P	P		P
<b>ANNUAL GRASSES</b>														
annual bluegrass	G	P	E	E	P	P-F	P	P	P	G	P	E	E	P
crabgrass		P	P	E	P	P	P	F	P	F	E	P	P	E
crowfootgrass		P	P	E	P	P	P		P	G	E	P		F-G
goosegrass		P	G	E	P	P	P	F	P	G	F	P	P	G
sandbur		P	P	E	P	F	P	P	P	G	G	P		G
<b>BROADLEAF WEEDS</b>														
carpetweed				E			F		P	G-E				P
chamberbitter (niruri)				E		P			G		P-F			P
common chickweed	G-E	G		E		E	G	G-E	E	G	P	G	G	P
corn speedwell	G-E			E		P	P		E	E	P	G		P
cudweed	F			G		F			E		F-G			P
dandelion	P-F	F-G		E			E	G	E		P	P		P
dichondra				E			F		P		P	P		P
docks				E	G		P	F	E		P	P		P
doveweed				G					P	F		P		P
Florida betony			E	E			G	G	G-E		P	P		P
ground ivy		G		G			F	G			P	P		P
henbit	G-E	F-G	E	E		G	G	G	G	G	P	P	G	P
hop clovers	G	G	F	E			E	G-E	P-F	G	P			P
knotweed		G	P	E			F		E	G	P			P
lespedeza				E			G		E	E	P			P
mallow, bristly									G		P	P		P
mock strawberry											P	P		P

Key to response symbols: E – Excellent control (0 to 100%), G = Good control (80 to 89%), F = Fair Control (70 to 79%), P = Poor control (<70%)

A blank space indicated weed response is not known.

\*Apply as tank mix with or in a sequential program with MAMA to improve dallisgrass control.

**TURFGRASS WEED RESPONSE TO HERBICIDES (continued)**

	flumioxazolin	fluroxypyr	foramsulfuron	glyphosate	halosulfuron	imazaquin	MCPA	mesotrione	metasulfuron	metribuzin	MSMA DSMA	pronamide	rimsulfuron	sethoxydim
Time of application	<b>POSTEMERGENCE</b>													
<b>BROADLEAF WEEDS (continued)</b>														
mouseear chickweed		G		E		G	G	G-E	E	E	P	P		P
mugwort				G			P				P	P		P
mustards				E			F		F	F	P	P		P
parsley piert	F-G		P	E		G	F			E	P	P	G-E	P
pennywort				E			E		G		P	P		P
plantains	P	F-G		E			F	F	G		P	P		P
purslane, common				F			F	G-E	F-G					P
spurges				E			F	G	E	E	P		G-E	P
spurweed (burweed)			P	E		E	F	G	E	G	P	P		P
star-of-Behlehem				F		P	P		P	P	P	P		P
VA buttonweed		F		G			P		F		P	P		P
violets							P	G	G		P	P		P
white clover	P	G-E	F	F		F	E	G-E	E	F	P	P		P
yellow woodsorrell		G		E			F	G	G		G	P		P

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A blank space indicated weed response is not known.

**TURFGRASS WEED RESPONSE TO HERBICIDES (continued)**

	simazine	sulfen -trazone	sulfo -sulfuron	thien- carbazon + foram -sulfuron + halo -sulfuron	thien- carbazon + iodo -sulfuron + dicamba	triclopyr	triclopyr + clopyralid	trifloxy- sulfuron- sodium
Time of application	<b>POSTEMERGENCE</b>							
<b>PERENNIAL WEEDS</b>								
bahiagrass	P	P	P		F	P	P	F
bermudagrass	P	P	P	P	P	P	P	P
dallisgrass	P	P	P	G	F	P	P	P-F
nutsedge, purple	P	P-F	G-E		P	P	P	E
nutsedge, yellow	P	E	G-E	E	P	P	P	E
tall fescue	F	P	G	E	P	P	P	G-E
wild garlic/onion	P	F	P-F			P		G-E
<b>ANNUAL GRASSES</b>								
annual bluegrass	G-E	P	F-G	G	P	P	P	E
crabgrass	P	P	P	F-G	P	P	P	P-F
crowfootgrass	P	P			P	P	P	P
goosegrass	P	P	P	G-E	P	P	P	P
sandbur	P	P				P	P	P
<b>BROADLEAF WEEDS</b>								
carpetweed		G				G	P	F-G
chamberbitter (niruri)								
common chickweed	E	G	E		E	E	E	
corn speedwell	E	G	E		E	G	P	
cudweed					G-E	F	G-E	
dandelion	P	P	P		G-E	G	E	E
dichondra	P		P			F-G	E	E
docks	P		P		G	F-G	E	
doveweed	P		F	F-G	F	F	P	
Florida betony	P		P			G	G	E
ground ivy	P		P			G	G-E	F-G
henbit	E	P	E		E	E	E	E
hop clovers	E	P	E		E	E	E	G
knotweed		P				F		
lespedeza		P		P	F	G	E	
mallow, bristly	P	P	P			G		P
mock strawberry	P	P	P					

Key to response symbols: E – Excellent control (0 to 100%), G = Good control (80 to 89%), F = Fair Control (70 to 79%), P = Poor control (<70%)

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**TURFGRASS WEED RESPONSE TO HERBICIDES (continued)**

	simazine	sulfen -trazone	sulfo -sulfuron	thien- carbazon + foram -sulfuron + halo -sulfuron	thien- carbazon + iodo -sulfuron + dicamba	triclopyr	triclopyr + clopypalid	trifloxy- sulfuron- sodium
Time of application	<b>POSTEMERGENCE</b>							
<b>BROADLEAF WEEDS (continued)</b>								
mouseear chickweed	P	P	P		G-E	G	E	
mugwort	P	P	P			P-F		
mustards	G	P	G			F		
parsley piert	E	P	E		G	E		G-E
pennywort	P	P	P			F	E	G
plantains	P	P	P		G-E	F	E	P
purslane, common	P	P	P		G	G		
spurges		P				F	F-G	E
spurweed (burweed)	E	P	E			F	E	E
star-of-Behlehem	P	P	P			P	P	
VA buttonweed	P	P	P	F-G	G-E	F	F	F-G
violets	P	P	P			F-G	F-G	G
white clover	P	P	P		E	F-G	E	G
yellow woodsorrell	P	P	P			F	F-G	E

Key to response symbols: E – Excellent control (0 to 100%), G = Good control (80 to 89%), F = Fair Control (70 to 79%), P = Poor control (<70%)

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