

## Herbicide Response of Common Weeds

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Herbicide performance evaluations included in this guide are based upon information we obtained from research programs conducted at the University of Missouri and from evaluations made by research personnel from adjacent states. We have consulted representatives of companies whose products are included, as well as selected area agronomy specialists serving at various locations in the state.

Evaluations are based on the premise that applications were made under favorable conditions at the optimum rates for the given weed species. But, however good the intent might be, evaluation of herbicide performance can be questioned since such factors as soil type, organic matter content, pH, method of incorporation and rainfall patterns will vary. Improper timing of foliar application can also be crucial. Consequently, the included ratings should not be considered the final worth of a given herbicide in controlling a given weed.

With the exception of johnsongrass seedlings, no perennial weed species are included in the evaluation tables. This is because pre-emergents in general are ineffective in controlling established perennials. However, pre-emergents will control perennials originating from seed but not those plants or infestations originating from well-established root systems.

Obviously, herbicide evaluations will be of little value unless the weed species are accurately identified. A weed problem must be identified before a possible solution is implemented.

The publication, "Weeds of North Central States," shows illustrations of most of the included species. This publication is available through University of Missouri Extension centers. Weed specimens can be brought to Extension centers for identification, or they can be mailed to the Department of Agronomy, University of Missouri-Columbia, Columbia, Mo. 65211.

### Chemical Weed Control Ratings for Soybeans

**EFFECTIVENESS**

- E = Excellent
- G = Good
- F = Fair
- P = Poor

**HERBICIDES**

**Preplant Incorporated**

Herbicide	Barnyardgrass	Bl. Nightshade	Cocklebur	Crabgrass	Fall panicum	Foxtail, giant	Foxtail, other	Jimsonweed	Johnsongrass seedlings	Lambsquarters	Morningglory	Mustards	Pigweed	Ragweed	Smartweed	Sunflower	Shattercane	Teaweed	Velvetleaf	Waterhemp	Crop Tolerance
Basalin	E	P	P	E	E	E	E	P	G	F	P	F	F	P	P	P	G	P	P	F	G
Dual	E	P	P	E	E	E	E	P	G	F	P	F	F	F	P	P	F	F	P	F	G
Lasso	E	P	P	E	E	E	E	P	G	F	P	F	F	F	P	P	F	F	P	F	G
Prowl	E	P	P	E	E	E	E	P	G	G	P	P	G	P	P	P	G	P	F	G	G
Tolban	E	P	P	E	E	E	E	P	G	G	P	F	G	P	F	P	G	F	P	F	G
Treflan	E	P	P	E	E	E	E	P	G	G	P	F	G	F	P	P	G	P	P	G	G
Vernam	E	P	P	E	E	E	E	P	G	G	P	F	G	F	F	P	G	F	P	F	G

**Pre-emergence**

Amiben	G	G	F	G	G	G	G	F	F	E	F	G	E	G	G	F	P	G	F	G	G
Dual	E	F	P	E	E	E	E	P	G	F	P	F	F	F	P	P	F	F	P	F	G
Furlof	F	F	F	F	F	F	F	G	F	F	F	G	G	G	E	F	P	F	F	F	F
Goal	F	G	F	G	G	G	F	E	F	G	G	-	E	G	G	-	-	G	G	G	F
Lasso	E	F	P	E	E	E	E	P	G	F	P	F	F	F	P	P	F	F	P	F	G
Lorox	G	G	G	G	G	G	G	F	E	G	G	E	G	G	G	G	F	G	F	G	F
Maloran	G	G	G	G	G	G	G	F	E	G	G	E	G	G	G	G	F	G	F	G	F
Modown	F	-	F	F	F	F	G	-	F	-	-	F	F	-	-	-	G	G	G	F	F
Ronstar	F	-	-	F	F	F	F	-	F	F	F	F	-	-	-	-	F	F	F	-	-
Ramrod	E	F	P	E	E	E	E	P	G	F	P	F	F	F	P	P	F	F	P	F	G
Sencor, Lexone	G	F	G	G	F	F	F	G	F	E	F	E	E	E	E	G	P	G	G	G	F
Surflan	G	P	P	G	G	G	G	P	F	G	P	F	G	F	F	P	F	P	P	F	G

## Soybeans (continued)

### EFFECTIVENESS

E = Excellent  
 G = Good  
 F = Fair  
 P = Poor

### HERBICIDES

Barnyardgrass	Bl. Nightshade	Cocklebur	Crabgrass	Fall panicum	Foxtail, giant	Foxtail, other	Jimsonweed	Johnsongrass seedlings	Lambsquarters	Morningglory	Mustards	Pigweed	Ragweed	Smartweed	Sunflower	Shattercane	Teaweed	Velvetleaf	Waterhemp	Crop Tolerance
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### Post-emergence

Basagran	P	G	E	P	P	P	P	G	P	F	G	E	E	F	G	G	P	G	G	G	G
Blazer	P	G	G	F	G	G	G	F	F	G	F	F	F	G	G	G	F	F	G	F	G
Dinoseb	P	F	F	P	F	F	F	F	P	F	F	G	G	F	F	F	P	F	F	F	G
Dyanap	P	F	G	P	P	P	P	G	G	G	F	G	G	G	F	P	G	F	G	G	G
2, 4-DB	P	F	F	P	P	P	P	P	G	G	F	F	F	F	G	P	F	F	F	F	F

### Combinations

Amiben + Lorox	F	G	F	F	F	F	G	G	F	E	F	G	E	G	G	P	P	G	F	G	F
Amiben + Met'zn	F	F	F	F	F	F	G	F	F	G	F	G	E	E	G	F	P	F	F	G	F
Dual + Amiben	G	G	P	G	G	G	G	P	G	F	P	F	G	G	F	F	F	P	P	F	G
Dual + Dyanap	G	F	F	G	G	G	G	P	G	F	P	F	G	F	F	P	F	P	P	F	G
Dual + Lorox	G	F	F	G	G	G	F	F	G	F	F	G	G	F	F	F	F	F	F	G	F
Dual + Met'zn	G	F	G	G	G	G	G	F	G	E	F	G	E	G	G	F	F	G	G	G	F
Lasso + Amiben	G	F	F	G	G	G	G	F	F	G	F	G	G	F	F	F	F	F	F	F	G
Lasso & Bas'grn	G	F	E	G	G	G	E	G	F	G	G	G	F	F	G	F	F	G	G	G	G
Lasso + Dinitro	F	F	F	F	F	F	F	F	F	G	F	F	G	F	F	F	F	F	F	F	G
Lasso + Dyanap	G	G	G	F	F	F	F	F	F	G	F	F	G	G	F	F	F	F	F	G	G
Lasso + Furloe	G	G	F	G	F	G	G	F	F	G	F	F	G	G	F	F	F	F	F	F	F
Lasso + Lorox	G	G	G	G	G	E	E	F	F	E	F	F	E	G	G	P	F	G	F	G	F
Lasso + Maloran	G	G	G	G	G	E	E	F	F	E	F	G	E	G	G	F	F	G	F	G	F
Lasso + Met'zn	G	G	G	G	G	G	G	G	E	F	G	E	E	G	F	F	G	G	G	G	F
Lasso + Modown	G	P	P	G	G	G	G	P	G	P	P	G	P	G	P	F	G	G	F	F	F
Lorox + 2, 4-DB	F	G	G	G	G	G	F	P	G	G	G	G	G	F	F	P	F	G	G	G	F
Prowl + Amiben*	E	G	F	E	E	E	E	F	G	E	F	G	E	G	F	F	G	G	G	G	G
Prowl + Lorox*	E	G	G	E	E	E	E	G	G	E	P	G	E	G	G	P	F	P	G	G	F
Prowl + Met'zn*	E	G	G	E	E	E	E	G	G	E	P	G	E	E	E	F	F	G	G	G	F
Ramrod + Lorox	G	G	G	G	G	E	E	F	F	E	F	G	E	G	F	F	F	F	F	G	F
Surflan + Dyanap	G	F	F	F	G	G	F	F	G	F	F	G	F	F	G	F	F	F	F	G	G
Surflan + Lorox	G	G	F	F	F	G	G	F	F	G	F	G	G	G	F	F	F	F	G	G	F
Surflan + Met'zn	G	G	G	G	G	G	G	F	G	F	G	E	G	G	F	F	G	G	G	G	F
Tolban & Dyanap	G	G	G	F	G	G	F	G	G	F	F	G	G	F	F	F	F	F	G	G	G
Tolban & Lorox	E	G	G	E	E	E	E	G	E	P	G	E	G	G	P	F	P	G	G	F	F
Tolban & Met'zn	E	G	G	E	E	E	E	G	E	P	G	E	G	G	P	F	P	G	G	G	F
Treflan & Amiben	E	G	F	E	E	E	E	F	G	E	F	G	E	G	G	F	F	G	G	G	G
Treflan & Furloe	E	G	F	G	G	G	F	G	G	P	G	P	G	G	F	F	P	F	G	F	F
Treflan & Lorox	E	G	G	E	E	E	E	G	E	P	G	E	G	G	P	F	P	G	G	G	F
Treflan & Met'zn	E	G	G	E	E	E	E	G	E	P	G	E	E	E	F	F	G	G	G	G	F
Treflan & Modown	E	P	P	G	G	G	G	F	G	G	-	-	-	F	-	-	-	F	G	G	F
Vernam & Bas'grn	G	F	E	E	E	E	E	G	G	G	F	G	G	G	F	G	F	G	G	G	G
Vernam + Lorox	G	G	F	E	E	E	E	G	G	F	G	E	G	G	F	F	F	G	G	G	F
Vernam + Dyanap	G	F	F	E	E	E	E	F	G	G	F	F	G	F	F	F	F	F	F	F	G

& = Sequential  
 + = Tank Mix  
 \* = Either



## Chemical Weed Control Ratings for Field Corn

### EFFECTIVENESS

E = Excellent  
G = Good  
F = Fair  
P = Poor

### HERBICIDES

Barnyardgrass	Bl. Nightshade	Cocklebur	Crabgrass	Fall panicum	Foxtail, giant	Foxtail, other	Jimsonweed	Johnsongrass seedlings	Lambsquarters	Morningglory	Mustards	Pigweed	Ragweed	Smartweed	Sunflower	Shattercane	Teaweed	Velvetleaf	Waterhemp	Crop Tolerance
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### Preplant Incorporated

Atrazine	G	E	G	P	P	F	F	G	P	E	G	G	G	G	F	F	G	G	G	G
Dual	E	F	P	E	E	E	E	P	G	F	P	P	F	F	P	P	E	F	P	G
Eradicane	E	E	P	E	E	E	E	P	E	G	P	P	G	F	P	P	E	F	P	G
Princep	G	E	G	F	G	G	G	G	F	E	G	G	E	G	F	F	G	G	G	G
Sutan+	E	F	P	E	E	E	E	P	E	F	P	F	F	P	P	G	P	P	F	G

### Pre-emergence

Atrazine	F	E	E	P	P	F	F	G	F	E	G	E	E	G	G	F	F	G	G	G
Bladex	F	G	G	G	G	G	G	G	-	E	G	G	G	G	G	F	F	G	G	G
Dual	G	F	P	G	G	G	G	P	F	F	P	P	F	F	P	P	F	F	P	F
Lasso	G	F	P	G	G	G	G	P	F	F	P	P	F	F	P	P	F	F	P	F
Princep	G	G	E	G	G	G	G	G	F	E	G	G	E	G	G	G	F	E	G	G
Prowl	G	P	P	G	G	G	G	P	F	F	P	P	G	P	P	P	F	F	G	G
Ramrod or Bexton	E	G	P	E	G	E	E	P	F	G	P	F	F	F	F	P	F	P	P	F

### Post-emergence

Atz. + Oil	F	E	G	F	F	F	F	G	P	E	G	G	E	G	G	G	F	G	G	G
Banvel	P	G	G	P	P	P	P	G	P	E	G	F	E	G	G	E	P	G	G	F
Bladex	G	E	G	G	G	G	G	G	F	E	G	G	E	G	G	F	G	G	E	E
Lorox	F	F	F	F	F	F	F	G	F	G	G	E	G	G	G	F	G	G	G	F
2, 4-D	P	F	E	P	P	P	P	G	P	E	E	E	E	G	F	G	P	G	G	G

### Combinations

Atz. + Bladex	F	E	E	G	F	G	G	G	F	E	G	E	E	G	G	F	F	G	G	G
Atz. + Dual - (Bicep)	G	F	F	F	F	G	G	F	F	G	F	F	G	F	F	F	F	F	G	G
Atz. + Lasso	G	F	F	F	F	G	G	F	F	G	F	F	G	G	F	F	F	F	G	G
Atz. + Lorox	G	G	E	F	F	G	G	G	F	E	G	E	E	E	G	G	F	G	G	F
Atz. + Princep	G	E	E	G	F	G	G	G	F	E	G	E	E	G	G	F	E	G	G	G
Atz. + Prowl	G	G	G	G	G	G	G	F	F	G	G	E	F	F	F	F	G	G	G	G
Atz. + Ramrod or Bexton	G	G	F	F	F	G	G	F	F	G	F	G	G	F	G	F	F	F	F	G
Atz. + Sutan+	G	G	F	G	F	G	G	F	F	G	F	F	G	F	F	F	F	F	G	G
Atz. + Eradicane	E	G	F	F	F	G	G	F	G	F	G	F	F	G	G	F	F	G	F	G
Banvel & 2, 4-D	P	G	E	P	P	P	P	E	P	E	E	E	E	E	G	E	P	G	E	G
Bladex + Eradicane	E	G	G	G	G	G	G	F	G	G	F	F	G	G	F	F	G	G	F	G
Bladex + Lasso	G	F	F	G	F	G	G	F	F	G	F	F	G	G	F	F	G	G	F	G
Bladex + Prowl	G	G	F	G	G	G	F	F	F	E	F	G	E	F	G	F	F	G	G	G
Bladex + Sutan+	G	G	F	E	E	E	E	F	G	F	G	F	F	G	G	F	F	F	G	G
Bladex + Ramrod or Bexton	G	G	F	G	G	G	G	F	F	G	F	G	G	F	G	F	F	F	F	G
Dual + Bladex	G	F	F	G	G	E	E	F	F	G	F	F	G	G	F	F	G	G	F	G
Lasso + Lorox	G	G	F	G	G	G	G	F	F	G	F	G	E	G	F	F	F	F	F	F

& = Sequential

## Chemical Weed Control Ratings for Grain Sorghum

### Pre-emergence

Bladex + Bexton or Ramrod	G	G	F	G	G	G	G	F	F	E	G	G	G	G	G	F	F	F	F	G
Igran	G	G	G	G	G	G	G	G	F	E	G	G	E	G	G	P	F	G	G	G
Igran + Mlo'grd	G	G	G	G	F	G	G	G	P	E	G	G	E	G	G	E	P	G	G	G
Milogard	G	G	G	F	G	G	G	F	E	G	G	E	G	G	G	P	G	G	G	G
Modown	-	-	-	-	-	-	-	G	-	G	-	-	G	-	G	-	-	G	-	F
Modown + Ramrod	G	F	F	G	G	G	G	F	F	G	F	F	G	G	F	F	F	F	F	F
Ramrod or Bexton	G	F	P	E	G	E	E	P	F	F	P	F	G	F	F	P	F	P	F	G
Ramrod + Atrazine	G	G	F	G	F	E	E	F	F	E	G	G	G	G	G	F	F	G	G	G

### Post-emergence

Atrazine	F	G	G	P	P	F	F	F	F	E	F	E	E	G	G	E	P	F	G	G
2, 4-D	P	F	E	P	P	P	P	G	P	E	E	E	E	G	F	G	P	G	G	G

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