

SOYBEAN WEED CONTROL

BURNDOWN HERBICIDES FOR NO-TILL SOYBEANS

Herbicide	Rate/Acre Broadcast		Remarks
	Active Ingredient	Formulation	
Gramoxone Inteon(u) (Paraquat)	0.5 -0.75 lbs.	32 -48 ozs.	Apply in a minimum of 10 gallons of water per acre. Weeds taller than 6" may not be controlled adequately. As density of stubble, crop residue or weeds increases, water volume should be increased to insure good coverage. Add a nonionic surfactant (at least 75% active) at 1 pt. per 100 gallons of mix. For aerial applications, apply at 5-10 gallons of water per acre.
Ignite 280 (Glufosinate)	1.67-2.09 lbs.	22 – 29 ozs.	Thorough spray coverage is essential for optimal performance. Ground application requires a minimum of 15 gallons of water/acre. Dense weed canopies require 20 to 40 gallons per acre. See label for further application instructions and tankmix partners.
Touchdown/others* (Glyphosate 3ae)	0.75-1.5 lbs. (a.e.)	32-64 ozs.	Apply in 10-20 gallons of water per acre. More effective than Gramoxone Inteon on weeds such as smartweed and fall panicum. Apply lower rates to control many annual weeds less than 6" tall. Increase the rate on larger annual weeds and perennials. (See label).
Roundup PowerMax* (Glyphosate 4.5ae)		22-43 ozs.	

(u)--Restricted Use Herbicide.

* NOTE: Several brands of glyphosate have become available in recent years. Products differ in terms of concentration, rates, addition of surfactant and registration on Roundup Ready crops. Always read the label before application.

PREPLANT INCORPORATED HERBICIDES FOR SOYBEANS

Herbicide	Rate/Acre Broadcast		Remarks
	Active Ingredient	Formulation	
Treflan, Tri-4, Trilin and other trade names. (Trifluralin)	sandy loam: 0.5 lb. silt loam: 0.75 lb. silty clay loam: 1.0 lb.	1 pt. 1.5 pts. 2.0 pts.	For best results, incorporate immediately after application. Trifluralin is labeled for incorporation* into the top 2-3" of soil. The 2X or double the normal rate of trifluralin can be applied for increased suppression of rhizome johnsongrass. However, this must be followed by 2 or more timely cultivations. Use a recommended preemergence herbicide for broadleaf control.

*For proper incorporation, a disk should be set to cut about twice as deep as placement is desired. A second mixing with shallow disking or field cultivator usually improves weed control. See label for incorporation instructions with other implements.

PREEMERGENCE HERBICIDES FOR SOYBEANS

Herbicide	Rate/Acre Broadcast		Remarks
	Active Ingredient	Formulation	
Authority First / Sonic (Sulfentrazone + Cloransulam)	0.25 + 0.032 lbs.	6.45 ozs.	Applied PRE it provides good horseweed and pigweed. Controls horseweed up to 3 inches tall. Plant back restriction to cotton?
Authority MTZ (Sulfentrazone + Metribuzin)	0.096 + 0.16 lbs. ai/A	12 – 18 ozs.	Applied PRE it provides good horseweed and pigweed. Plant back restrictions to cotton.
Canopy 75DG (Chlorimuron + Metribuzin)	0.188 - 0.28 lbs.	4 – 6 ozs.	May be applied at planting or up to 45 days prior to planting.
Canopy EX (Chlorimuron + Tribenuron)	0.028-0.037 lbs.	1.5-2.0 ozs.	May be applied up to 7 days before planting. DOES NOT CONTROL GLYRES HORSEWEED
Command 3ME (Clomazone)	0.5-1.25 lbs.	1.3-3.3 pts.	Apply as a surface application. Use where velvetleaf, spurred anoda, prickly sida or annual grasses (signalgrass, etc.) are serious problems and where application buffer zones can be observed. See label. Note: Many trees, shrubs and vegetables are sensitive to drift of this herbicide. See label for drift reduction instructions. Do not plant wheat within 12 months of application.
Dual Magnum or Cinch (S-metolachlor)	sandy loam: 0.96-1.27 lbs. silt loam: 1.27-1.59 lbs. silty clay loam: 1.27-1.59 lbs.	1-1.33 pts. 1.33-1.67 pts. 1.33-1.67 pts.	Good grass control. Use higher rate to control seedling johnsongrass. Use in tank-mix with a broadleaf herbicide for broad spectrum weed control. Available package mixtured with glyphosate as Sequence.
Gangster (Valor + FirstRate)	0.080-0.096 lbs. Valor 0.026-0.032 lbs. FirstRate	3.0-3.6 ozs. (2.5-3.0 ozs. of Valor + 0.5-0.6 ozs. of FirstRate)	Controls small glyphosate resistant horseweed less than 3 inches tall. Provides good residual pigweed and horseweed control.
Intrro (alachlor)	2.5 lbs.	2.5 qts.	Good control of grasses and small seeded broadleaves.
Outlook 6EC (Dimethenamid-P)	sandy loam: 0.47-0.66 lb. silt loam: 0.66-0.75 lb. silty clay loam: 0.75-0.84 lb.	10-14 oz. 14-16 oz. 16-18 oz.	Good grass control. Use in combination with a broadleaf herbicide for broad spectrum weed control.
Prefix (Fomesafen + S- metolachlor)	sandy loam: 1.33 lb. silt loam: 1.33-1.66 lb. silty clay loam: 1.82-1.99 lb.	2 pts. 2-2.5 pts. 2.75-3 pts.	Requires rainfall to be activated provides good small seeded broadleaf weed control. May be applied through 4 soybeans.
Prowl or Pendimax 3.3 (Pendimethalin)	sandy loam: 0.5-0.75 lb. silt loam: 0.75-1.0 lb. silty clay loam: 0.75-1.5 lbs.	1.2-1.8 pts. 1.8-2.4 pts. 1.8-3.6 pts.	Good grass control. Can be applied as a surface application after planting or preplant incorporated 1-2" deep. The 2X or double the normal rate can be applied preplant incorporated for increased suppression of rhizome johnsongrass. Use a recommended broadleaf herbicide for broad-spectrum weed control. Surface applications may cause crop lodging later in season (soybeans 8-12" tall) if cool, rainy weather occurs during crop emergence.

Pursuit 2AS or 70DG (Imazethapyr)	all soils 0.063 lb.	4 fl. ozs. or 1.44 ozs. 70 DG	Apply preemergence to control morningglories, nightshade, pigweed, spurge and many other broadleaf weeds. Mix with a grass herbicide for more complete control. Wheat can be planted after 3 months while corn requires 8.5 months. Edible beans and tobacco require a 9.5-month waiting period. Do not plant cotton for 18 months.
Sequence (S-metolachlor + Glyphosate)	1.64 lb.	2.5 pts.	Apply up to 3 trifoliolate.
Valor XLT (Flumioxazin + Chlorimuron)	0.9 + 0.3 lbs-1.2 + 0.4 lbs.	3-4 ozs.	Apply PRE to control pigweeds, horseweed, and morningglory spp.
Python 80WDG (Flumetsulam)	sandy loam: 0.04-0.045 lb. silt loam: 0.045-0.05 lb. silty clay loam: 0.045-0.05 lb.	0.8-0.89 oz. 0.89-1.25 oz. 0.89-1.25 oz.	Use Python with a recommended grass herbicide for broad spectrum control. Good control of pigweed, nightshade, spurge and velvetleaf. For hard-to-control weeds, such as sicklepod, apply 1.14-1.25 oz. on medium and fine textured soils. Do not apply to emerged soybeans (cracking stage or later) as severe crop injury will result. Do not plant cotton within 18 months or grain sorghum within 12 months. See label for other rotational crops.
Sencor 75DF (Metribuzin)	sandy loam: do not use silt loam: 0.38-0.5 lb. silty clay loam: 0.5-0.6 lb.	----- 0.5-0.67 lb. 0.67-0.83 lb.	Apply either preplant incorporated 1-2" deep or as a surface application after planting. Tank mix with a grass herbicide for broad spectrum control. Has controlled volunteer Roundup Ready cotton in research and demonstration trials in soybeans. For control of emerged cotton, Lexone/Sencor can be tank mixed with Gramoxone.
Scepter 1.5 AS or 70DG (Imazaquin)	sandy loam: 0.09 lb. silt loam: 0.125 lb. silty clay loam: 0.125 lb.	0.5 pt. or 2.1 oz. 0.67 pt. or 2.8 oz. 0.67 pt. or 2.8 oz.	Apply preplant incorporated or preemergence to control broadleaf weeds. Reduced rates (.33 to .5 pt./A) may be used for the control of a limited number of weeds such as cocklebur and pigweed-- see label. Do not plant grain sorghum within 11 months or cotton within 18 months of application. Do not plant corn or tobacco within 9.5 months of application. Corn may be planted the following spring if 15" or more of rainfall is received within six months following application. If the minimum rainfall requirement is not met, Clearfield corn hybrids may be planted. See label for other rotational crops. Use with a recommended grass herbicide for broad-spectrum control.
Squadron 2.33EC (Pendimethalin + Imazaquin)	0.87 lb.	3 pts.	Apply preplant incorporated or preemergence to control grass and broadleaf weeds. Refer to remarks under Scepter regarding crop rotation and see remarks under Prowl section for possible crop effects.
Valor 51WDG (Flumioxazin)	0.063-0.078 lb.	2-2.5 oz.	Apply preemergence to control pigweed, lambsquarters, hophornbeam copperleaf, morningglories and several other weeds. Weak on cocklebur and sicklepod. Apply in 10-30 gal. of water per acre. Mix with a grass herbicide for broad spectrum weed control.

Postemergence Weed Control in Soybeans: Postemergence herbicides work best under the following conditions: weeds are young and rapidly growing, high humidity and good soil moisture, and good spray coverage. Performance is reduced when weeds are stressed due to drought, disease or cultivation, or when weeds are too large. Select the most effective weed management program for the money you can afford to spend. The following tables should assist with selection of a program for controlling your weeds.

POSTEMERGENCE HERBICIDES FOR WEED CONTROL IN SOYBEANS

Herbicide	Rate/Acre Broadcast*		Remarks**
	Active Ingredient	Formulation	
Aim EC (carfentrazone-ethyl)	0.008-0.025 lb.	0.25-0.5 ozs.	Apply overtop of soybeans from V3 to V10 to control velvetleaf and morningglories. Causes soybean foliar burn which is usually of short duration. Always add 1 qt. nonionic surfactant per 100 gals. of spray mix. May be tank-mixed with glyphosate to control larger morningglories.
Assure II 0.88E (Quizalofop)	0.034-0.069 lb.	5-10 ozs.	Apply overtop to control rhizome johnsongrass . Apply 5 ozs. of Assure II when johnsongrass is 10-24" tall and re-treat with 5 ozs. when grass regrowth reaches 6-10" tall. Add oil concentrate at 1 gal. (for ground application) or 1 qt. nonionic surfactant per 100 gals. of spray mixture. The higher rates may be needed to control annual grasses or bermudagrass . See label. Controls volunteer Roundup Ready corn in soybeans.
Basagran 4SC (Bentazon)	0.75-1.0 lb.	1.5-2 pts.	Apply to control cocklebur, prickly sida and other broadleaf weeds. Addition of 1 qt./A of crop oil concentrate may improve control of ragweed and lambsquarters. Add 2 ozs. of 2,4-DB (Butyrac) to the regular rate of Basagran for improved control of morningglory. Do not add oil or surfactant when mixing with 2,4-DB.
Classic 25DF (Chlorimuron)	0.008-0.012 lb.	0.5-0.75 oz.	Apply to control cocklebur, pigweed, burcucumber and other broadleaf weeds. Can be applied after the first trifoliolate until 60 days before harvest. Weak on prickly sida and lambsquarters . Add 1 qt. of nonionic surfactant (80 percent active) per 100 gal. water. See label for information concerning the use of crop oil concentrate and liquid fertilizer. Classic may be tank-mixed with Roundup Ultra (Roundup Ready soybeans only) for improved control of morningglory and hemp sesbania (see label). Do not plant corn, cotton, or sorghum within 9 months after application. See label for other crops. For salvage control of cocklebur or smooth pigweed, apply .75 oz. and 1 qt. of crop oil concentrate.
Cobra 2E (Lactofen)	0.2 lb.	12.5 ozs.	Apply to control morningglory, balloonvine and several broadleaf weeds. Add 2 pts. nonionic surfactant, or 2 to 4 pts. crop oil concentrate, per 100 gals. spray. Causes soybean foliar burn which is usually of short duration.
FirstRate 84DG or	0.016 lb.	0.3 oz.	Apply overtop prior to 50% flowering stage of soybeans. Application prior to full emergence of the first soybean trifoliolate leaf may cause temporary yellowing. Good control of cocklebur, common ragweed, giant ragweed and sicklepod. Always add crop oil concentrate at 1.2 gal. per 100 gal. of spray mix. FirstRate can be tank-mixed with Roundup UltraMax or Touchdown (Roundup Ready soybeans only), and several other herbicides (see label). For FirstRate tank mixes with Roundup UltraMax, WeatherMax, PowerMax or Glyphomax Plus, DO NOT add additional surfactant or crop oil. Other glyphosate product tank mixes add non-ionic surfactant at 2 pt. per 100 gals. If needed, a sequential application can be made. See label.
Flexstar 1.88SC (Fomesafen plus adjuvants)	0.24-0.35 lb.	1.0-1.5 pts.	Contains same active ingredient as Reflex, but is formulated with an adjuvant system. Will control larger cocklebur, morningglories, and pigweed. Causes soybean foliar burn which is usually of short duration. Always add 1-2 qts. nonionic surfactant, or 0.5-1 gal. crop oil concentrate per 100 gals. of spray mix.

Herbicide	Rate/Acre Broadcast*		Remarks**
	Active Ingredient	Formulation	
Frontrow (Chloransulam- methyl + Flumetsulam)	0.022 lb.	0.42 oz.	Apply overtop prior to 50% flowering stage of soybeans. Application prior to full emergence of the first soybean trifoliolate leaf may cause temporary yellowing. Controls prickly sida, in addition to the weeds controlled by FirstRate. Frontrow can be tank mixed with Roundup Ultra or Touchdown (Roundup Ready soybeans only), and several other herbicides (see label). Always add crop oil concentrate (1.2 gal.) or nonionic surfactant (1 qt.) per 100 gal. of spray mix. If needed, a sequential application can be made. See label.
Fusilade DX 2E (Fluazifop)	0.094-0.188 lb.	6-12 ozs.	Apply lower rate for most annual grasses before they exceed 4" tall. For johnsongrass control, apply the higher rate when it is 8-18" tall. Make a second application (8 ozs.) when regrowth is 6-12" tall. For bermudagrass , apply the higher rate when runners are 4-8" long, and repeat when regrowth reaches 4". Add oil concentrate (1 gal.) or nonionic surfactant (2 pts.) per 100 gal of spray mixture. Controls volunteer Roundup Ready corn in soybeans.
Fusion 2.56E (Fluazifop + Fenoxaprop)	0.16-0.24 lb.	8-12 ozs.	Apply overtop for control of annual grasses and johnsongrass. Better control of annual grasses than Fusilade DX. Apply 8 ozs./A for control of most annual grasses, or 12 ozs./A for control of johnsongrass 8-18" tall. A second application of 8 ozs./A may be used to control regrowth, 8" tall. For bermudagrass, treat 4-8" runners with 12 ozs./A, and apply a second application of 8 ozs./A to 4-8" regrowth. Add oil concentrate (1 gal.) or nonionic surfactant (2 pts.) per 100 gal of spray mixture. Controls volunteer Roundup Ready corn in soybeans.
Poast 1.5E or Poast Plus 1.0E (Sethoxydim)	0.19 lb.	16 ozs. 1.5E or 24 ozs. 1.0E	Apply for control of most annual grasses . For best results, make applications before most grasses exceed 4" tall. Always include oil concentrate at 2 pts./A. Controls volunteer Roundup Ready corn in soybeans.
Pursuit 2AS or 70DG (Imazethapyr)	0.063 lb.	4 fl. ozs. or 1.44 ozs. 70DG	Apply to control morningglory, spurge, pigweed, cocklebur and other broadleaf weeds. For most effective control, apply before weeds exceed 3" in height. Use nonionic surfactant at the rate of 1 qt. per 100 gallons of spray mix. Use 10 or more gallons of spray solution per acre to ensure good weed coverage. See label regarding rotational crop restrictions. Also available as a premix with glyphosate (Extreme) for use in Roundup Ready soybeans. See label.
Raptor 1AS (Imazamox)	0.03-0.04 lb.	4-5 ozs.	Apply overtop prior to soybean bloom and before most weeds exceed 5 inches tall (see label). Good control of cocklebur, morningglory, pigweed, velvetleaf and seedling johnsongrass. Weak on sicklepod and hophornbeam copperleaf. Always add either crop oil concentrate at 1 gal. per 100 gals. or nonionic surfactant at 1 qt. per 100 gals. of spray mix. Do not make more than one application per season.
Reflex 2LC (Fomesafen)	0.25-0.38 lb.	1-1.5 pts.	Apply to control morningglory (high rate only) and several broadleaf weeds. Add 1-2 qts. nonionic surfactant or 1 gal. crop oil concentrate per 100 gals. of spray. Reflex may be tank-mixed with Roundup Ultra (Roundup Ready soybeans only) for improved control of morningglory and hemp sesbania (see label). It is usually very safe on soybeans. Do not plant sorghum within 18 months of application. Has controlled volunteer Roundup Ready cotton that is 6 inches or smaller in research and demonstration trials in soybeans.
Resource 0.86E (Flumiclorac)	0.03 lb.	4 ozs.	Apply to control velvetleaf with up to 6 leaves. Larger plants will require higher rates (see label). Add oil concentrate at 1 qt./A.
Sequence (S- metolachlor + Glyphosate)	1.64 lb.	2.5 pts.	Apply up to 3 trifoliolate.

Herbicide	Rate/Acre Broadcast*		Remarks**
	Active Ingredient	Formulation	
Touchdown/others* ** (Glyphosate 3ae) Roundup Ready Soybeans Only	0.75-1.1 lb. (a.e.)	32-48 ozs.	The Roundup Ready system has been most successful where soybeans are drilled, where fields are scouted early, and when applications are timely. Apply overtop to control many annual broadleaf and grass weeds, and johnsongrass. Excellent control of crabgrass, fall panicum, goosegrass, signalgrass, johnsongrass, cocklebur, copperleaf, and spurge. Some of the more difficult to control weeds include morningglory, black nightshade, groundcherry, hemp sesbania, prickly sida, spurred anoda, and giant ragweed. Consider tank-mixing with reduced rates of Classic, Ultra Blazer, Cobra or Reflex for improved control of morningglories and hemp sesbania. Tank mixing with FirstRate will improve control of giant ragweed. See product labels for specific tank-mix directions. Avoid drift to adjacent crops. Be sure that your spray system has been thoroughly cleaned and flushed prior to and after application. Applications can be made from the cracking stage throughout flowering. Repeat applications may be required to maintain control. Dry conditions will reduce weed control.
Roundup PowerMax*** (Glyphosate 4.5ae) Roundup Ready Soybeans Only		22-32 ozs.	
Scepter 1.5AS or 70DG (Imazaquin)	0.063-0.125 lb.	0.33-0.67 pt. or 1.4-2.8 ozs.	Use .33 pt. to control cocklebur and pigweed. Use higher rate to control other broadleaf weeds. Weak on jimsonweed and nightshade. Add 1 qt. nonionic surfactant (80 percent active) per 100 gals. of spray volume. See label for information concerning the use of crop oil concentrate and rates to use on specific weeds. Do not plant sorghum within 11 months or cotton within 18 months of application. Corn may be planted the following spring if 10 inches of water is received within 6 months following application. See label for other crops. For salvage control of cocklebur or smooth pigweed, apply 0.5-.67 pt./A (2.1-2.8 ozs. 70DG) per acre plus nonionic surfactant (1 qt./100 gal.). Also available as a premix with glyphosate (Backdraft) for use in Roundup Ready soybeans. See label.
Select Max 1EC (Clethodim)	0.094-0.125 lb.	12-16 ozs.	Apply 12 ozs./A for control of most annual grasses up to 6" tall. For johnsongrass , 12-24" tall, apply 16 ozs. A second application of 12 ozs./A can be made to regrowth, 6-10" tall. For bermudagrass , apply the higher rate on runners up to 6" long, and repeat on regrowth up to 6" long. Always use crop oil concentrate at 1 qt./A. Controls volunteer Roundup Ready corn in soybeans.
Storm (Basagran + Blazer premix)	0.75 lb.	1.5 pts.	Broad spectrum control of cocklebur, morningglory, and several other broadleaf weeds. Always add crop oil concentrate (1-2 pts./A) or nonionic surfactant (0.125-0.25% by volume) with Storm. Causes soybean foliar burn which is usually of short duration. Note: 1.5 pt./A of Storm is equivalent to 1 pt. of Basagran and 1/pt. of Blazer per acre.
Synchrony (chlorimuron + thifensulfuron)	0.018-0.05 lbs.	1-3 oz.	May be tank-mixed at a reduced rate with glyphosate to provide residual control.
Ultra Blazer 2L (Acifluorfen)	0.13-0.38 lb.	0.5-1.5 pts.	Apply to control morningglory, pigweed and several other broadleaf weeds. See label regarding the use of surfactant. Ultra Blazer may be tank-mixed with Roundup Ultra (Roundup Ready soybeans only) for improved control of morningglory and hemp sesbania (see label). Add 2 ozs. of 2,4-DB (Butyrac) to improve control of cocklebur and large morningglory.

*If a band treatment is used, the rate should be reduced proportionately according to band width and row spacing.

**For rhizome johnsongrass control, do not tank mix postemergence grass herbicides with broadleaf herbicides.

*** NOTE: Several brands of glyphosate have become available in recent years. Products differ in terms of concentration, rates, addition of surfactant and registration on Roundup Ready crops. Always read the label before application.

SOYBEAN HARVEST AIDS

Harvest aid chemicals are sometimes needed to desiccate weeds in order to improve timeliness of harvest. This is most frequently encountered with early maturing varieties which may be ready for harvest prior to a killing frost. Harvest aid chemicals do not speed-up maturity of the soybean plant; they merely reduce moisture in weeds and may improve harvest efficiency, in addition to timeliness. Producers are encouraged to make harvest aid decisions by comparing cost with anticipated benefits. Also, care must be taken to minimize chances of drift to adjacent crops. Be sure to read labels thoroughly and follow required preharvest intervals (PHI).

Harvest Aid	Rate/Acre Broadcast		Remarks
	Active Ingredient	Formulation	
Aim 2EC	0.023 lbs.	1.5 ozs.	Aim has a 3 day pre-harvest interval.
Touchdown/others* (Glyphosate 3ae)	0.75-1.5 lbs. (a.e.)	32-64 ozs.	Apply after pods have set and lost all green color. Allow a minimum of 7 days between application and harvest of soybeans. Use a spray volume of 10 to 20 gallons of water per acre for ground applications, or 3 -10 gallons of water for aerial applications. Do not graze or harvest treated crop for livestock feed within 25 days of application. Do not apply to soybeans grown for seed as a reduction in germination or vigor may occur. Avoid spraying during conditions which favor drift.
Roundup PowerMax* (Glyphosate 4.5ae)		22-43 ozs.	
Sodium Chlorate, Defol 6, other trade names (Sodium Chlorate)	6.0 lbs.	2 gals. of a 3 lb./gal. formulation or 1 gal. of a 6 lb./gal. formulation	Make application 7 to 10 days before anticipated harvesting date when soybeans are mature and ready for harvest. Apply in a minimum spray volume of 20 gallons per acre by ground or 5 gallons per acre by air. Do not graze treated fields or feed treated soybean foliage. Do not apply under conditions which favor drift.
Gramoxone Inteon(u) (Paraquat)	0.13-0.26 lb.	8-16 ozs.	For indeterminant varieties(maturity Group III or IV) apply when at least 65% of the seed pods have reached a mature brown color or when seed moisture is 30% or less. For determinant varieties(maturity Group V) apply when plants are mature, i.e., beans fully developed, one-half of leaves have dropped, and remaining leaves are yellowing. Immature soybeans will be injured. Use the higher rate when cocklebur is present. Use a minimum spray volume of 20 gallons per acre by ground or 5 gallons per acre by air. Do not apply within 15 days of harvest. Do not graze or harvest for forage or hay. Do not apply under conditions which favor drift.

(u)--Restricted Use Herbicide.

* NOTE: Several brands of glyphosate have become available in recent years. Products differ in terms of concentration, rates, addition of surfactant and registration on Roundup Ready crops. Always read the label before application.

EXPECTED SOIL APPLIED HERBICIDE RESPONSE OF COMMON WEEDS IN SOYBEANS

	PPI	PREPLANT INCORPORATED/PREEMERGENCE						PREEMERGENCE					
	Treflan	Boundary	Canopy /5DG	Prowl or Pendimax 3.3	Python	Scepter	Senecor	Authority First/ Sonic	Command	Dual II Magnum	Outlook	Pursuit	Valor
Annual Morningglories	6	5	9	6	6	6	5	8	3	2	2	7	8
Broadleaf Signalgrass (Urochloa)	8	8	8	8	4	4	6	6	9	8	8	6	2
Cocklebur	0	5	8	0	7	9	5	8	5	0	0	8	5
Common Ragweed	0	7	8	0	----	7	8	7	6	0	0	8	8
Crabgrass, Foxtails, Goosegrass	9	9	8	9	5	6	8	6	9	9	9	8	4
Groundcherries/Black Nightshade	0	7	8	0	9	5	6	----	3	7	7	8	2/8
Hophornbeam Copperleaf	0	6	9	0	----	6	6	8	2	4	4	5	9
Jimsonweed	0	7	----	0	----	5	8	----	5	0	0	8	----
Lambsquarters	7	8	----	8	----	9	8	----	7	6	6	7	9
Pigweed, Palmer	8	7	7	8/6 ^{tt}	4	3	7	9	0	6	6	3	9
Pigweed, Smooth or Redroot	8	9	9	7	9	9	9	9	2	8	8	9	9
Prickly Sida	0	8	8	0	9	7	8	----	9	0	0	8	----
Seedling Johnsongrass	9	8	6	8	4	5	4	5	8	8	8	8	2
Sicklepod	0	6	5	0	7	7	6	0	0	3	2	0	4
Smartweed	4	7	----	3	9	8	7	----	6	0	0	8	5
Spotted Spurge	0	7	----	0	9	7	8	----	8	7	7	9	----
Spurred Anoda	0	6	----	0	9	4	7	----	9	0	0	8	----
Velvetleaf	2	6	----	2	9	6	7	7	9	0	0	8	----
Yellow Nutsedge	0	7	9	0	----	4	0	----	0	8	8	3	0
Soybean Tolerance	1	2	T	2	1	3	3	1	0	1	1	1	2

(u) Restricted Use Pesticide: Refer to label for precautions to be taken during handling and application.

KEY TO SYMBOLS: 0=No control or crop injury; 10=100% control or severe, yield-reducing crop injury; ----=data not available (Ratings are based on labeled rates of each herbicide, applied at the optimum timing for each weed.) T-Tolerance related to variety and environmental conditions. ^{tt}- 8 for PPI; 6 for PRE

EXPECTED WEED RESPONSE FROM POSTEMERGENCE SOYBEAN HERBICIDES

	Aim	Basagran	Classic	Cobra	FirsRate	Pursuit	Reflex	Touchdown/others*	Roundup Power/Max/	Scepter	Ultra Blazer	Assure II	Fusilade DX	Poast, Poast Plus	Select Max
Annual grasses	0	0	1	4	----	7	5	9	4	4	8	8	9	9	
Burcucumber	0	3	8	6	----	----	5	----	5	6	0	0	0	0	
Cocklebur	6	9	9	7	9	8	8	10	9	7	0	0	0	0	
Common Ragweed	-	5	7	7	9	7	7	9	7	7	0	0	0	0	
Giant Ragweed	2	3	5	7	8	6	7	6	5	6	0	0	0	0	
Groundcherry/Nightshade	7	1	2	8	----	8	8	6	4	8	0	0	0	0	
Hemp Sesbania	9	0	9	9	2	0	9	4	2	9	0	0	0	0	
Hophornbeam Copperleaf	7	2	2	9	----	4	9	7	2	9	0	0	0	0	
Jimsonweed	7	8	5	7	5	9	7	8	5	7	0	0	0	0	
Johnsongrass (rhizome)	0	0	1	1	0	6	2	9	1	1	9	9	6	9	
Johnsongrass (seedling)	0	0	1	4	2	7	5	10	2	4	9	9	8	9	
Lambsquarters	8	7	0	6	----	5	5	8	1	5	0	0	0	0	
Morningglory Entireleaf/Ivy ^a	7	2	8	8	8	8	8	8	1	8	0	0	0	0	
Morningglory Pitted ^b	7	5	8	9	8	8	9	7	4	9	0	0	0	0	
Morningglory Tall ^c	7	3	7	9	5	9	9	8	2	9	0	0	0	0	
Pigweed, Palmer	7	0	4	8	4	3	8	9	3	8	0	0	0	0	
Pigweed, Smooth or Redroot	8	0	8	8	4	9	8	9	9	8	0	0	0	0	
Prickly Sida	4	7	0	6	3	6	2	6	1	2	0	0	0	0	
Sicklepod	1	0	8	1	8	0	1	9	5	1	0	0	0	0	
Smartweed	7	8	5	7	----	6	7	8	5	7	0	0	0	0	
Spotted Spurge	6	0	3	7	----	8	7	9	3	7	0	0	0	0	
Velvetleaf	9	9	8	4	6	8	4	7	2	3	0	0	0	0	
Yellow Nutsedge	0	8	4	1	----	3	6	7	2	1	0	0	0	0	
Soybean Tolerance	3	0	2	3	0	0	1	0*	1	2	0	0	0	0	

*Soybean variety must be Roundup Ready ^a Many hairs on upper leaf surface ^b No hairs on upper leaf surface ^c A few hairs on upper leaf surface
KEY TO RESPONSE RATINGS: 0=No control or crop injury; 10=100% control or severe, yield reducing crop injury; ----=No data available Ratings are based on labeled rates of each herbicide, applied at the optimum timing for each weed.