

Do not apply if rain is expected within 1 hour of application as control may be unsatisfactory

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possible after an irrigation.

In arid regions where irrigation is used, apply "Assure" Herbicide as soon as

SP AY VOLUMES

Ground Application: Use a minimum of 10 gallons of water per acre in Area I (Adequate Rainfall). Use a minimum of 15 gallons of water per acre in Area II (Arid Conditions). Do not exceed 40 gallons of water per acre in Area I or Area II.

Aerial Application: Use a minimum of 2 gallons of water per acre.

SPRAY ADDITIVES

ALWAYS INCLUDE A SPRAY ADJUVANT WITH APPLICATIONS OF "ASSURE". Unless otherwise directed, select one of the adjuvants listed below.

Ground Applications: Crop oil concentrate at a rate (concentration) of 1.0% v/v (4 quarts per 100 gallons of water as the spray solution). OB

Nonionic surfactant at a rate (concentration) of 0.25% v/v (1 quart per 100 gallons of water as the spray solution).

Aerial Application: Crop oil concentrate at a rate (concentration) of 0.5% v/v (2 quarts per 100 gallons of water as the spray solution).

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Nonionic surfactant at a rate (concentration) of 0.25% v/v (1 quart per 100 gallons of water as the spray solution).

Petroleum oil concentrates should be of good quality and contain a minimum of 15% emulsifier/surfactant. Nonionic surfactants should contain at least 80% active ingredient. Do not use vegetable (crop origin) oils as spray adjuvant or carrier with "Assure". USE ONLY EPA APPROVED OIL CONCENTRATES AND SURFACTANTS.

CULTIVATION

Cultivation during or within 7 days before or 7 days after an application of "Assure" may result in unsatisfactory control. Cultivation may put grasses under stress by pruning roots, thus making control more difficult to obtain.

RESTRICTIONS

Do not graze treated fields or harvest for forage or hay.

Do not apply more than 40 ounces of product per acre per season.

CROP RESPONSE

Minor leaf spotting may occur to sprayed toliage under certain environmental conditions. New growth and crop yields are unaffected.

TIMING OF APPLICATIONS

"Assure" may be applied to cotton any time prior to 80 days before harvest.

Best results are obtained when "Assure" is applied to grasses that are young and actively growing. Applications made to grasses that are larger than the size indicated below, to grasses under stress, or in tank mixtures with broadleat herbicides, may result in less than satisfactory control. Degree of control and

duration of effect depend on: rate used, weed spectrum, weed size and variability, growing conditions at and following treatments, soil moisture, precipitation, tank mixtures, and spray adjuvant used.

WEEDS CONTROLLED/RATE CHARTS AREA I (AREAS WITH ADEQUATE RAINFALL) (See GEOGRAPHIC RECOMMENDATIONS)

ANNUAL GRASSES	SIZE AT APPLICATION (INCHES)	"ASSURE" OZ PRODUCT/A
Volunteer Corn (Zea mays)	6-18	10
Shattercane (Sorghum bicolor) Seedling Johnsongrass (Sorghum halepense)	6-12 2-8	10 10
Crowfootgrass (Dactyloctenium aegyptium)	2-6	14
Fall Panicum (Panicum dichotomillorum)	2-6	14
Foxtails Giant (Setaria faberi)	2-8	14
Green (Setaria viridis)	2-8	14
Yellow (Setaria lutescens)	2-4	14
Bristly (Setaria verticillata)	2-4	14
Goosegrass (Eleusine indica)	2-6 ^a	14
Itchgrass (Rottboellia cochinchinensis)	2-8	14
Field Sandbur (Cenchrus incertus)	2-6	14
Sprangletop (Leptochloa filiformis) Volunteer Cereals	2-6	14
Wheat (Triticum aestivum)	2-6	14
Barley (Hordeum vulgare)	2.6	14
Oats (Avena sativa)	2-6	14
Rye (Secale cereale)	2-6	14
Wild Oat (Avena fatua) Witchgrass (Panicum capillare)	2-6 2-6	14 14
Barnyardgrass (Echinochioa crus-galli)	2-6	16
Broadleaf signalgrass (Brachiaria platyphylla) Crabgrass	2-6	16
'.arge (Digitaria sanguinalis)	2-6 ^a	16
Smooth (Digitaria ischaemum)	2.6 ^a	16
Junçlerice (Echinochloa colona)	2-6	16
Red Rice (Oryza sativa)	1-4	16
Texas panicum (Panicum texanum)	2-4	16

PERENNIAL GRASSES

Bermudagrass (Cynodon dactylon)	3" tall (or a	up 20
	to 6" runn	ers)
Rhizome Johnsongrass (Sorghum halepense)	10-24	20

If regrowth of perennial grasses occurs, make another application of "Assure" using 14 ounces product/A timed to grass weed sizes as follows: Bermudagrass (3" tall or up to 6" runners), Rhizome Johnsongrass (6"-10") Do not exceed 40 ounces of product per acre per year.

^a Length of lateral growth

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NE LA II (ARID CONDITIONS) (See GEOGRAPHIC RECOMMENDATIONS)

ANNUAL GRASSES	SIZE AT APPLICATION (INCHES)	"ASSURE" OZ PRODUCT/A	
Volunteer Corn (Zea mays)	6 -10	14	
Shattercane (Sorghum bicolor)	6-10	14	
Seedling Johnsongrass (Sorghum halepense)	2-6	14	
Field Sandbur (Cenchrus incertus)	2-6	14	
Barnyardgrass (Enchinochkoa crus-galli)	2-4	16	
Broadleal Signalgrass (Brachiaria platyphylla)	2-4	16	
Large Crabgrass (Digitaria sanguinalis) Foxtails	2-4 ^a	16	
Green (Setaria viridis)	2-4	16	
Yellow (Setaria lutescens)	'4	16	
Junglerice (Echinochloa colona)	2-4	16	
Texas Panicum (Panicum texanum)	2-4	20	
Vokunteer cereals			
Wheat (Triticum aestivum)	2-4	16	
Barley (Hordeum vulgare)	2-4	16	
Oals (Avena sativa)	2-4	16	
Rye (Secale cereale)	2-4	16	
PERENNIAL GRASSES			
Bermudagrass (Cynodon dactylon)	3" tall (or u to 6" runne	•	
Rhizome Johnsongrass (Sorghum halepense)	10-16	24	

If regrowth of perennial grasses occurs, make another application of "Assure" using 16 ounces product/A timed to grass weed sizes as collows: Bermudagrass (3" tall or up to 6" runners) Rhizome Johnsongrass (6"-10"). Do not exceed 40 ounces of "Assure" per acre per season.

^a Length of lateral growth.

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SEQUENTIAL APPLICATIONS WITH POST BROADLEAF HERBICIDES

NOTE: Reduction in grass control is possible when "Assure" is applied immediately prior to or sequentially after an application of a post broadleaf herbicide. Observe the following recommendations.

- After applying "Assure", wait a minimum of 24 hours before applying a post broadleaf herbicide.
- In fields treated with a post broadleaf herbicide, do not apply "Assure" until grass plants begin to develop new leaves (generally 7 days after the post broadleaf herbicide application).

SEQUENTIAL APPLICATIONS FOR JOHNSONGRASS CONTROL

For control of rhizome johnsongrass in the states of Alabama, Arkansas, Florida, Georgia, Louisiana, Mississippi, Tennessee, and Virginia, "Assure" may be applied at a reduced rate when applied in a sequential application program.

Apply "Assure" at a rate of 10 ounces per acre when johnsongras $\omega \to 0.0024$ inches tall. Apply the sequential treatment of "Assure" at a rate of 10 ounces per acre when johnsongrass regrowth has reached 6 to 10 inches in height.

Do not apply "Assure" in a tank mix with post broadleaf herbicides when using this reduced rate sequential application program.

SPOT/SMALL AREA SPRAY RECOMMENDATIONS IN COTTON (AREAS I AND II)

Make a 3/4 percent solution of "Assure" in water for spot treatment of annual species such as volunteer corn or perennial species such as rhizome john-songrass. The spray solution should include a nonphytotoxic oil concentrate at 1% v/v or a nonionic surfactant at 0.25% v/v. Treat plants on a spray-to-wet basis insuring good coverage.

Desired	"ASSURE" OZ		Crop Oil		Nonionic
Spray Volume	Product	PLUS	Concentrate	OR	Surfactant
1 gallon	1.0 fl. oz. (2 tbsp)		1.25 fl. oz. (2.5 tbsp)		0.3 fl. oz. (2 tsp)
25 gallons	24.0 fl. oz. (1 quart)		32 fl. oz. (1 cup)		8.0 fi oz.
50 gallons	48 fl. oz. (1.5 quarts))	64 fl. oz. (2 quarts)		16 fl. oz. (1 pint)
100 gallons	96 fl. oz. (3 quarts)		128 fl. oz. (4 quarts)		32 fl. oz. (1 quart)

SPRAY DRIFT

Do not allow spray from either ground or aerial equipment to drift onto adjacent crops or land, as injury to other plants may occur. To minimize spray drift, refer to the detailed directions in the "spray drift" section of the "Assure" product label.

IMPORTANT

BEFORE USING "ASSURE" HERBICIDE READ AND CAREFULLY OBSERVE THE CAUTIONARY STATEMENTS AND ALL OTHER INFORMA-TION APPEARING ON THE PRODUCT LABEL.

This bulletin contains new or supplemental instructions for use of this product which may not appear on the package label. Follow the instructions carefully.

This labeling must be in the possession of the user at the time of pesticide application.

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