

COPY A

/ASSURE II

COPY B

0.5 % V/V

COPY C

___ plus ___ ASSURE / ASSURE II _____

ASSURE* Refer to the ASSURE label for ANNUAL and PERENNIAL grasses controlled and use rate.

ASSURE II** Refer to the ASSURE II label for ANNUAL and PERENNIAL grasses controlled and use rate.

* The COBRA Herbicide and ASSURE Tank Mix may show some reduction in grass control over application of ASSURE alone. The label rate of ASSURE should be increased by 4 oz. product /A when grasses are at maximum size.

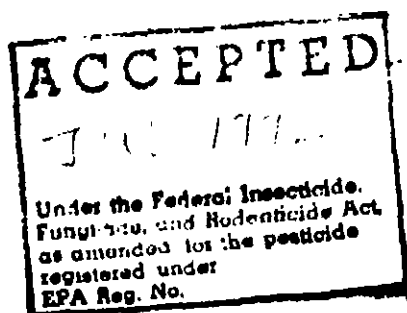
** The COBRA Herbicide and ASSURE II Tank Mix may show some reduction in grass control over application of ASSURE II alone. The label rate of ASSURE II should be increase by 2 oz. product /A when grasses are at maximum size.

COPY D

FUSILADE Refer to the FUSILADE label for ANNUAL and PERENNIAL grasses controlled and use rate.

COPY E

OPTION Refer to the OPTION label for ANNUAL and PERENNIAL grasses controlled and use rate.

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COBRA[®]

HERBICIDE

Active Ingredient
*Lactofen
Inert Ingredients
*1 (carboethoxy) e. wt 5-[2-chloro-4-(trifluoromethyl) phenoxy]-2-nitrobenzoate
Contains 2 lbs active ingredient per gallon

By Wt
100%

Do not apply this product through any type of irrigation system.

KEEP OUT OF REACH OF CHILDREN

DANGER—PELIGRO

SEE NEXT PAGE FOR ADDITIONAL PRECAUTIONARY STATEMENTS
PRECAUCION AL USUARIO: Si usted no lee ingles, no use este producto hasta que la etiqueta le haya sido explicada ampliamente.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS & DOMESTIC ANIMALS

DANGER: Corrosive. Causes skin burns and irreversible eye damage. Harmful if swallowed, inhaled, or absorbed through skin. Do not get in eyes or on skin or clothing. Wear goggles or face shield, coveralls or tightly woven, long-sleeved shirt, and rubber gloves when handling. Avoid breathing vapor or spray mist. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse. This product contains lactofen, which has been determined to cause tumors in laboratory animals (mouse, rat). Risks can be reduced by closely following use directions and precautions, and by wearing the protective clothing specified elsewhere on this label.

Note to Physicians: Emergency Information—call 1-800-457-2022.

STATEMENT OF PRACTICAL TREATMENT

IF IN EYES, flush with plenty of water for at least 15 minutes. Get medical attention immediately.

IF SWALLOWED, DO NOT INDUCE VOMITING. Drink promptly a large quantity of milk, egg whites, gelatin solution, or if these are not available, large quantities of water. Avoid alcohol. Get medical attention immediately.

IF ON SKIN, wash with plenty of soap and water. Get medical attention immediately.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Drift and runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water by cleaning of equipment or disposal of waste. Do not apply when weather conditions favor drift from target area.

PHYSICAL OR CHEMICAL HAZARDS

Do not use or store near heat or open flame.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

READ ENTIRE LABEL AND PAMPHLET. USE STRICTLY IN ACCORDANCE WITH PRECAUTIONARY STATEMENTS AND DIRECTIONS AND WITH APPLICABLE STATE AND FEDERAL REGULATIONS.

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WORKER PROTECTION

Do not treat areas while unprotected. Do not enter treated areas until spray has dried. Certain states may require more. State Department of Agriculture. Written or oral warnings regarding exposure must be given to workers in areas about to be treated.

TABLE

DIRECTIONS FOR USE IN STATES

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DIRECTIONS FOR USE IN SOYBEANS

GENERAL INFORMATION

COBRA™ is a selective, broad spectrum herbicide for postemergence control of susceptible broadleaf weeds. COBRA is formulated as an emulsifiable concentrate containing 2 lbs. of active ingredient per gallon. COBRA works primarily through contact action. Good coverage of young, actively growing weeds is essential for maximum weed control. The use of an EPA approved spray adjuvant is required. Refer to the label section on ADJUVANT ADDITIVES for specific recommendations. When COBRA is applied post emergent, a portion of the spray solution may contact the soil surface. If soil moisture conditions are favorable for preemergent activity, following the application, suppressed germination of small-seeded broadleaf weeds, such as nightshade species, pigweed species, and prickly sida may be expected for a 2 to 3 week period. The presence of excessive crop or weed foliage at the time of application will reduce the amount of herbicide applied, coating the soil surface and will reduce the level of soil activity.

A temporary crop response should be expected following a post-emergence application of COBRA. Soybean leaves which are open at the time of application will show some burn, wrinkling and speckling. Trifoliate soybean leaves which have emerged but are unopened at the time of application may appear cupped at the tip and/or crinkled along the edges of the leaf. Soybeans quickly outgrow all initial herbicide effects. When COBRA is used as directed, under commercial condition soybean yields will not be affected. Under conditions of normal weed growth COBRA is effective 30 minutes after application.

PRECAUTIONS

Apply COBRA once per growing season, not later than 30 days before harvest. Do not graze animals on green forage or stubble. Do not utilize hay or straw for animal feed or bedding.

APPLICATION

CONVENTIONAL ROW APPLICATION TIMING

For best results, COBRA should be applied to small actively growing weeds that are not larger than indicated in Table 1S of this label. Normally,

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this occurs 14 to 21 days after planting or last field preparation. When soybeans are at the first to second trifoliate leaf stage. Soybeans at or larger than the third trifoliate stage may interfere with the spray pattern and reduce coverage of the weed leaves. Do not apply COBRA when the soybeans or the weeds are under stress. Applying COBRA under conditions that do not promote active weed growth will reduce herbicide effectiveness. These conditions include drought, excessive water, extremes in temperature, and low humidity. Weeds under stress tend to "harden off" and become less susceptible to herbicidal action.

Do not cultivate prior to or during application. Do not generate excessive dust while spraying. Excessively dusty conditions may interfere with the penetration of the weed leaf surface by the spray solution. A timely cultivation approximately one week after application will assist in weed control.

DRILLED/SOLID SEEDED APPLICATION TIMING

Under drilled/solid-seeded soybeans cropping systems, a dense crop canopy develops more rapidly than conventional row spacings. The crop canopy may restrict penetration of the herbicide spray pattern and reduce coverage of the weed foliage. Applications should be made when soybeans are at the first trifoliate leaf stage usually 7 to 10 days after planting. Delaying application beyond the first trifoliate leaf stage may result in unsatisfactory weed control. For improved weed coverage and canopy penetration in drilled or solid seeded soybean, the higher range of spray volume and pressure is required. See the BROADCAST GROUND APPLICATIONS section of this label for application information.

BROADCAST GROUND APPLICATION

COBRA and COBRA tank mixes can be applied by ground equipment using standard commercial sprayers equipped with flat fan or hollow cone nozzles. COBRA is a contact herbicide. Special attention should be given to prearranging and operating the sprayer to assure proper coverage of the weed leaf surface.

Use COBRA on a broadcast basis in 20 to 30 gals. of water per acre and a spray pressure of 40 to 60 PSI measured at the boom. Apply COBRA using a flat fan or hollow cone nozzle designed to deliver the desired spray pressure and spray volume. Avoid use of flat fan nozzles larger than 8006 (or equivalent) because they do not break up spray patterns into

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small enough droplets to provide adequate weed coverage for foliar herbicides. Spray nozzles should be centered at a 20 inch spacing to provide adequate coverage. Ground speed should not exceed 10 mph to provide proper spray coverage. Boom height, ground speed, and pressure recommendations should not exceed those recommended by the spray nozzle manufacturer for the type and size of nozzle being used. Improper use of the selected spray nozzle will adversely affect the spray pattern, prevent proper coverage of weed leaf surface, and reduce weed control. Refer to the manufacturer's spray chart for nozzle selection and operating information.

REFER TO THE AERIAL APPLICATION SECTION FOR SPECIFIC INSTRUCTIONS FOR AERIAL APPLICATION.

DO NOT USE THE FOLLOWING DELIVERY SYSTEMS TO APPLY COBRA HERBICIDE:

- 1 - Flood Nozzles
- 2 - Control Droplet Applicators (CDA)
- 3 - Flat Fan Nozzles Larger than 8006
- 4 - Spray rigs which utilize wheel driven pumps

BAND APPLICATION

Row banding equipment should be adjusted to provide maximum coverage of weeds in the row. Base the band use of COBRA from a broadcast use rate of 20 to 30 gallons of water per acre by reducing the spray gallons in proportion to the area actually treated. The spray pressure should be 40 to 60 PSI measured at the boom. A minimum of two nozzles per row is required to provide optimum coverage of the weed foliage.

DO NOT make band applications while cultivating or create excessive dust while spraying. Excessively dusty conditions will interfere with proper coverage of the weed leaf surface, thereby reducing contact activity.

LOW VOLUME GROUND APPLICATION

SPRA-COUP™, HAGIE™

Application of COBRA and COBRA tank mixes using a low volume application require a minimum of 10 gals. of spray solution per acre. A minimum of 20 gals. of spray solution per acre is required in North Dakota, South Dakota and Minnesota.

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Applications at less than 10 gals. per acre will provide inconsistent weed control. The spray pressure at the boom should be between 40 to 60 PSI. Flat fan nozzles are recommended at 20 inch spacing for proper spray coverage. To provide adequate coverage flat fan nozzles larger than 8006 (or equivalent) should not be used. Height of the spray boom should be adjusted so as not to exceed the manufacturer's recommendation for proper coverage by the spray nozzle being used. Maximum speed of operation should not exceed 10 mph as spray coverage of weed foliage may be adversely affected. Crop oil concentrate is required at the rate of 1 qt. per acre to achieve optimum control with low volume applications.

AERIAL APPLICATION

To obtain satisfactory weed control with aerial applications of COBRA and COBRA tank mixes with BASAGRAN or CLASSIC, uniform coverage must be obtained. Do not spray when drift is possible or when wind velocity is more than 5 mph. Avoid spraying COBRA within 200 ft. of dwellings or adjacent sensitive crops such as ornamentals, cotton, tobacco, or sorghum. To obtain satisfactory application and minimize drift, the following directions must be observed.

Volume and Pressure: Use COBRA in 5 to 10 gals. water per acre and a maximum spray pressure of 40 PSI. Applications at less than 5 gals. per acre will provide inadequate control. The higher gallons application generally afford more consistent weed control.

Nozzle and Nozzle Orientation: Use nozzles which produce flat or hollow cone spray patterns. Use non-drift type nozzles such as diaphragm type nozzles to avoid unwanted discharge of spray solution. The nozzles must be directed toward the rear of the aircraft, at an angle between 0 and 15 downward. Do not place nozzles on the outer 25% of wings or rotors.

CROP OIL CONCENTRATE: With aerial applications the use of crop oil concentrate at the rate of 1 qt. per acre in the spray solution is required.

Do not use surfactants.

IMPORTANT: Use of less than 1 qt. of crop oil concentrate per acre or use of an adjuvant other than crop oil concentrate will result in unsatisfactory weed control.

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ADJUVANTS AND ADDITIVES

Control of weeds by COBRA Herbicide at or near the maximum growth stage indicated in Table 1S of this label is enhanced by the addition of an adjuvant to the spray mixture. Use an EPA approved petroleum-based crop oil concentrate, or 28% N liquid fertilizer (AMMONIUM SULFATE spray grade) or non-ionic surfactant, such as VALENT X-77® Spreader. Mixing and compatibility qualities should be verified by a jar test. The addition of a spray adjuvant may intensify the initial crop response.

Crop Oil Concentrate: Crop oil concentrate is the preferred adjuvant for COBRA for weed control over a wide spectrum of application conditions. Higher levels of crop response are also generally observed with the use of a crop oil concentrate, however soybeans quickly outgrow all initial herbicide effects. The rate of crop oil concentrate will depend on the environmental conditions preceding the application and the weed species and weed size at the time of application. If environmental conditions are good and weeds are growing vigorously use of the low rate of crop oil concentrate is recommended. The higher rate is required when the weeds are under environmental stress such as low temperature, low humidity, or low soil moisture. Refer to Table 1S for the recommended rate of crop oil concentrate by state, rate, and environmental conditions. **IMPORTANT:** For aerial applications and low volume ground application, the addition of 1 qt. per acre of crop oil concentrate is required.

28% N Liquid Fertilizer: A 28% N liquid fertilizer may be substituted for crop oil concentrate in the spray solution when weeds are actively growing. Refer to Table 1S for the recommended rate of 28% N liquid fertilizer and additives by environmental conditions.

Surfactant: When soil moisture is good and weeds are actively growing, the addition of an EPA approved non-ionic surfactant such as VALENT X-77® Spreader will improve the wetting and contact activity of COBRA Herbicide. Refer to Table 1S for the recommended rate of non-ionic surfactant by state and environmental conditions.

AMMONIUM SULFATE: A spray grade of AMMONIUM SULFATE fertilizer may be substituted for crop oil concentrate in the spray solution when weeds are actively growing. Refer to Table 1S for the recommended rate of AMMONIUM SULFATE fertilizer and additives by environmental conditions.

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Table 1S.

RELATIVE HUMIDITY ADJUVANT RECOMMENDATIONS

	PERCENT RELATIVE HUMIDITY		
	100%, 80% (High)	80%, 60% (Medium)	60%, Less (Low)
NON-IONIC SURFACTANT/ SOLUTION	2 pts./100 gals.	Not Recommended	Not Recommended
CROP OIL CONCENTRATE/ ACRE*			
(AL, DE, FL, GA, MD, NC, PA, SC, VA)	1/4 to 1/2 pt.	1 pt.	1 pt.
(ALL OTHER STATES)	1 pt.	1 pt.	1 pt. to 2 pts.
28% NITROGEN/ ACRE**	1 gal.	1 gal. + X 77 Spreader at 2 pts. 100 gals.	1 gal. + crop oil concentrate at 1 pt. acre
AMMONIUM SULFATE spray grade/ ACRE***	2.5 lb.	2.5 lb. + X 77 Spreader at 2 pts. 100 gals.	2.5 lb. + crop oil concentrate at 1 pt. acre

* 1 pt./acre required to control velvetleaf, wild sunflower and morningglory species.

** 1 gal./acre 28% N + X 77 at 2 pts. 100 gals. required to control velvetleaf.

*** 2.5 lb. AMMONIUM SULFATE spray grade/acre + X 77 at 2 pts. 100 gals. required to control velvetleaf.

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MIXING

Add about 1/2 of the required amount of water to the spray tank and begin agitation. Add the required amount of COBRA Herbicide and mix thoroughly. Then add the correct amount of adjuvant and the remaining water. Maintain agitation during filling and spraying to ensure a uniform spray mixture.

WEEDS CONTROLLED BY COBRA HERBICIDE

Identify your weed species as early as possible and determine the stage of growth by counting the true leaves. Ignore the cotyledon (seed leaves) when you count.

Use Table 2S of this label to determine the maximum weed leaf stage at which you must apply COBRA for effective weed control of the species desired.

Table 2S.

WEEDS CONTROLLED BY COBRA HERBICIDE

IN SOYBEANS
Weed Growth Stages
12.5 fl. oz. per acre

Common Name	Maximum Leaf Stages
Balloonvine	4
Beggarticks	6
Bristly Starbur	4
Buffaloour	4
Burcucumber	4
Carpetweed	8 in. diameter
Common Cocklebur	6
Common Purslane	8 in. diameter
Copperleafs	
Hophornbeam	6
Virginia	4
Croton	
Tropic	4
Woolly	4

Table 2S. (continued)

Common Name	Maximum Leaf Stages
Devilsclaw	4
Eckspia	6
Florida Beggarweed	2
Florida Pusley	6
Groundcherry	
Cutleaf	6
Lanceleaf	6
Hairy Galinsoga	4
Hemp Sesbania	6
Jimsonweed	4
Mexicanweed	4
Morningglories	
Cypressvine	4
Entireleaf*	2
Ivyleaf*	2
Palmetleaf*	4
Pitted*	4
Purple Moonflower*	4
Smallflower*	4
Tall*	4
Nightshades	
Black	6
Eastern Black	6
Hairy	4
Pigweeds	
Palmer Amaranth	6
Prostrate	6
Redroot	6
Smooth	6
Spiny Amaranth	6
Poorjoe	6
Prickly Sida (Teaweed)	4
Puncturevine	15 in. diameter

Table 2S. (continued)

Common Name	Maximum Leaf Stages
Ragweeds	
Common	6
Giant	4
Showy Crotalaria	4
Small Melon	6
Spurge	
Prostrate	1 in. diameter
Spotted	4
Tall Waterhemp	4
Velvetleaf**	4
Vernice Mallow	4
Wild Mustard	6
Wild Poinsettia	4
Wild Sunflower*	2
Witchweed	6-8 in. prior to bloom

* Crop oil concentrate is required at the rate of 1 pt./acre for control.
** Crop oil concentrate at 1 pt./acre or 28% N liquid fertilizer at 1 gal./acre plus non-ionic surfactant X-77 at 2 pts./100 gals. of solution or AMMONIUM SULFATE spray grade at 2.5 lb./acre plus non-ionic surfactant X-77 at 2 pts./100 gals. of solution is required for control.

Table 3S.

WEEDS SUPPRESSED BY COBRA HERBICIDE

Weed Growth Stages
12.5 fl. oz. per acre

Common Name	Maximum Leaf Stages
Coffee Senna*	2
Pennsylvania Smartweed	4
Sicklepod*	2
Spurred Anoda	2

* Suppression may be improved when COBRA is applied following a preemergence application of LASSO* or DUAL* at the recommended rates.
Only suppression of growth and not acceptable commercial control may

be expected when these weeds are treated with COBRA.
The use of a crop oil concentrate at 1 pt. per acre is required for suppression of these weeds.
Cultivation 1 week to 10 days after treatment will usually aid in obtaining satisfactory suppression of these weeds.

Table 4S.

PERENNIAL WEEDS SUPPRESSED

BY COBRA HERBICIDE
Weed Growth Stages
12.5 fl. oz. per acre

Common Name	Maximum Leaf Stages
Canada Thistle	6
Milkweeds	
Climbing	6
Common	6
Morningglory	
Bigroot (Wild Sweet Potato)	6
Redvine	6
Swamp Smartweed*	6
Trumpet creeper	6

The addition of crop oil concentrate at 1 pt./acre is required to burn back existing above-ground vegetation and may retard the growth of new foliage.

Table 5S.

TALL WEEDS SUPPRESSED

By COBRA HERBICIDE
Weed Growth Stages
12.5 fl. oz. per acre

Common Name	Weed Height - Inches*
Burcucumber	15-36
Jimsonweed	15-36
Ragweed	
Common	15-36
Giant	15-36
Velvetleaf	15-36

*When COBRA Herbicide is applied at this height complete control should not be expected.

The addition of crop oil concentrate at 1 pt./acre is required for suppression of these weeds.

APPLY NO LATER THAN 30 DAYS BEFORE HARVEST.

TANK MIX WITH BASAGRAN* HERBICIDE FOR CONTROL OF BROADLEAF WEEDS IN SOYBEANS

GENERAL INFORMATION

For best results the COBRA plus BASAGRAN tank mix should be applied to actively growing weeds.

Do not apply COBRA tank mixtures during periods when the soybeans and the weeds are under stress or when conditions do not favor active weed growth. Refer to the COBRA Soybean Label for application timing.

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Table 6S.

COBRA Herbicide & BASAGRAN Herbicide Tank Mix - Soybeans - Rate and Time of Application Table.

Product	Product Rate	Weeds Controlled/ Weed Size	Adjuvant
COBRA	6 to 12.5 fl. oz./A	Refer to Table 2S For Weeds Controlled at 12.5 fl. oz./A	1 pt. Crop Oil Concentrate 'A' or 2 pts. non-ionic surfactant per 100 gals. water plus 1 gal. 28% liquid Nitrogen 'A' or 2.5 lb. 'A' Ammonium Sulfate (spray grade)

COBRA RATE/A		10 oz.	6 oz.	6 oz.
plus BASAGRAN		Maximum Leaf Stage		
BASAGRAN 1 pt./A	Black Nightshade	6	4	2
	Common Cocklebur	6	4	4
	Common			
	Lambsquarter	4	4	4
	Pigweed			
	Smooth	6	4	C**
	Redroot	6	4	C**
	Smartweed	4	4	4
	Tall Waterhemp	6	4	C**
	Velvetleaf*	6	4	3
	Wild Sunflower	4	2	2

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Table 6S. (continued)

COBRA Herbicide & BASAGRAN Herbicide Tank Mix - Soybeans - Rate and Time of Application Table.

Product	Product Rate	Weeds Controlled/ Weed Size	Adjuvant		
		Yellow Nutsedge Refer to BASAGRAN Label for other weeds claimed	6 in.	6 in.	6 in.
	COBRA RATE/A		10 oz.	8 oz.	6 oz.
			Maximum Leaf Stage		
BASAGRAN 2 pt /A		Common Cocklebur	10	10	10
		Common Lambsquarter	8	8	8
		Pennsylvania Smartweed	10	10	10
		Pigweed			
		Smooth Redroot	6	4	C**
		Tall Waterhemp	6	4	C**
		Wild Sunflower	6	6	6
		Refer to BASAGRAN Label for other weeds claimed			

*Add 1 gal. 28% N liquid fertilizer per acre or 2.5 lb./A Ammonium Sulfate (spray grade) plus 2 pt. non-ionic surfactant per 100 gals. water for best control

**C is the cotyledon leaf stage

MIXING INSTRUCTIONS

Maintain agitation throughout the spray application. Failure to agitate the spray volume may result in improper mixing of the herbicides and unsatisfactory weed control. Mixing and compatibility qualities should be verified by a jar test.

COBRA Herbicide Plus BASAGRAN Herbicide Tank Mix: Add 1/2 of the required water to the spray tank and begin agitation. Add the required amount of BASAGRAN and mix thoroughly. Then add the required amount of COBRA and continue mixing. Finally, add the required amount of crop oil concentrate or the 28% N liquid fertilizer and the remaining water.

Use Restrictions for COBRA Herbicide Plus BASAGRAN Herbicide Tank Mix:

1. Always read and follow all label directions when using any pesticide alone or in tank mix combinations. The most restrictive labeling applies when using a tank mix.
2. Do not apply the COBRA plus BASAGRAN tank mix less than 90 days before harvesting soybeans.
3. Do not graze treated fields or harvest for forage hay.
4. Do not apply the COBRA plus BASAGRAN tank mix if rain is expected within 8 hours of application or unsatisfactory weed control may result.

TANK MIX WITH CLASSIC® HERBICIDE
FOR CONTROL OF BROADLEAF WEEDS IN SOYBEANS
GENERAL INFORMATION

For best results, the COBRA plus CLASSIC tank mix should be applied to actively growing weeds. Do not apply the COBRA and CLASSIC tank mix during periods when the soybeans and the weeds are under stress or when conditions do not favor active weed growth. Refer to the COBRA soybean label for application timing.

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Table 7S.

COBRA Herbicide & CLASSIC Herbicide Tank Mix - Soybeans - Rate and Time of Application Table.

Product	Product Rate	Weeds Controlled/ Weed Size	Adjuvant		
COBRA	6 to 12.5 fl oz /A	Refer to Table 2S for weeds controlled at 12.5 fl oz /A	2 pts non-ionic surfactant per 100 gal's water Surfactant must have at least 80% active ingredient		
			Do Not use crop oil concentrate or vegetable oil		
	COBRA RATE/A		10 oz.	8 oz.	6 oz.
			Maximum Leaf Stage		
	plus CLASSIC				
CLASSIC	38 oz /A	Black Nightshade	6	4	2
		Common Cocklebur	8	6	C**
		Common Ragweed	6	4	C**
		Florida Beggarweed	6	2	C**
		Florida Pusley		6	C**
		Pennsylvania Smartweed	4	2	C**
		Pigweed			
		Smooth Redroot	6	4	C**
			6	4	C**

Table 7S. (continued)

COBRA Herbicide & CLASSIC Herbicide Tank Mix - Soybeans - Rate and Time of Application Table.

Product	Product Rate	Weeds Controlled/ Weed Size	Adjuvant		
		Tall Waterhemp	6	4	C**
		Velvetleaf*	4		C**
		Wild Mustard	6	4	C**
		Wild Sunflower	6	4	C**
	COBRA RATE/A		10 oz.	8 oz.	6 oz.
			Maximum Leaf Stage		
CLASSIC	5 oz /A	Black Nightshade	6	4	2
		Copperleafs			
		Hophornbeam	6	4	C**
		Virginia	4	2	C**
		Prickly Sida	4	2	C**
		Ragweed			
		Common	6	6	4
		Grant	4	2	C**
		Sicklepod	3	3	C**
		Smooth Pigweed	6	4	3
		Tall Waterhemp	6	4	C**
		Velvetleaf*	5		C**
		Yellow Nutsedge	6		
		Refer to CLASSIC Label for other weeds claimed			

*Add 1 gal. 28% N liquid fertilizer per acre or 2.5 lb./A Ammonium Sulfate (spray grade) plus 2 pts. non-ionic surfactant per 100 gals. water for best control

**C is the cotyledon leaf stage

MIXING INSTRUCTIONS

Add 1/2 of the required water to the spray tank and begin agitation. Add the required amount of CLASSIC and mix thoroughly. Then add the required amount of COBRA and continue mixing. Finally, add the required amount of non-ionic surfactant and 28% N liquid fertilizer and the remaining water.

Maintain agitation throughout the spray application. Failure to agitate the spray mixture may result in improper mixing of the herbicides and unsatisfactory weed control.

Use Restrictions for COBRA Herbicide plus CLASSIC Herbicide Tank Mix:

1. Always read and follow all label directions when using any pesticide alone or in tank mix combinations. The most restrictive labeling applies when using a tank mix.
2. Do not apply the COBRA plus CLASSIC tank mix less than 90 days before harvesting soybeans.
3. Do not graze animals on green forage or stubble. Do not utilize hay or straw for animal feed or bedding.
4. Do not apply the COBRA plus CLASSIC tank mix if rain is expected within 1 hour of application or unsatisfactory weed control may result.
5. Refer to the CLASSIC label for restrictions on soil pH, minimum recropping interval and rotational guidelines.

TANK MIX WITH 2,4-DB PRODUCTS
FOR CONTROL OF BROADLEAF WEEDS IN SOYBEANS
GENERAL INFORMATION

Use only the amine formulations of 2,4-DB registered for use on soybeans. For best results, the COBRA plus 2,4-DB tank mix should be applied to actively growing weeds. Do not apply COBRA and 2,4-DB product tank mixtures during periods when the soybeans and the weeds are under stress or when conditions do not favor active weed growth. Refer to the COBRA soybean label for application timing. The use of a 2,4-DB tank mix may cause crop injury.

Table 8S.

COBRA Herbicide & 2,4-DB Tank Mix - Soybeans - Rate and Time of Application Table.

Product	Product Rate	Weeds Controlled/ Weed Size	Adjuvant		
COBRA	12.5 fl oz /A	Refer to Table 2S	1 pt. non-ionic surfactant per 100 gals. water		
			Surfactant must have at least 80% active ingredient		
			Do Not Use crop oil concentrate or vegetable oil		
	COBRA RATE/A		10 oz.	8 oz.	6 oz.
			Maximum Leaf Stage		
	plus	plus			
2,4-DB	2 oz /A	Morningglories Sicklepod	6		2

MIXING INSTRUCTIONS

Add 1/2 of the required water to the spray tank and begin agitation. Add the required amount of 2,4-DB and mix thoroughly. Then add the required amount of COBRA and continue mixing. Finally, add the required amount of non-ionic surfactant such as VALENT X 77 Spreader and the remaining water.

Maintain agitation throughout the spray application. Failure to agitate the spray mixture may result in improper mixing of the herbicides and unsatisfactory weed control.

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Use Restrictions for COBRA Herbicide plus 2,4-DB Tank Mix:

1. Always read and follow all label directions when using any pesticide alone or in tank mix combinations. The most restrictive labeling applies when using a tank mix.
2. Do not apply the COBRA plus 2,4-DB tank mix by air.
3. Do not apply the COBRA plus 2,4-DB tank mix less than 90 days before harvesting soybeans.
4. Do not graze animals in green forage or stubble. Do not utilize hay or straw for animal feed or bedding.
5. Do not apply the COBRA plus 2,4-DB tank mix if rain is expected within 2 hours of application or unsatisfactory weed control may result.
6. Do not allow 2,4-DB to come into contact with cotton, okra, grapes, tomatoes, fruit trees, vegetables, flowers, or other desirable crop or ornamental plants. Do not permit spray mist to drift onto susceptible plants since very small quantities of 2,4-DB can cause severe injury during growing or dormant periods.

TANK MIX WITH PINNACLE® HERBICIDE FOR CONTROL OF BROADLEAF WEED IN SOYBEANS GENERAL INFORMATION

For best results, the COBRA plus PINNACLE tank mix should be applied to actively growing weeds. Do not apply COBRA tank mixtures during periods when the soybeans and the weeds are under stress or when conditions do not favor active weed growth. Refer to the COBRA soybean label for application timing.

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**Table 9S.
COBRA Herbicide & PINNACLE Herbicide Tank Mix-Soybeans-Rate and Time of Application Table.**

Product	Product Rate	Weeds Controlled/ Leaf Stage	Adjuvant
COBRA	6 to 8 fl oz./A		125% V/V non-ionic surfactant or 125% V/V non-ionic surfactant plus 4% V/V liquid nitrogen fertilizer 28% or 32%.
			Do Not Use crop oil concentrate or vegetable oil
plus COBRARATE/A			8oz. 6oz.
plus PINNACLE			Maximum Leaf Stage
PINNACLE	0.25 oz./A	Black Nightshade	4 2
		Common Cocklebur	6 4
		Copperleafs	
		Hophornbeam	4 C**
		Virginia	2 C**
		Prickly Sida	2 C**
		Ragweed	
		Common	6 4
		Giant	2 C**
		Refer to PINNACLE Label for other weeds claimed	

**C is the cotyledon leaf stage

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MIXING INSTRUCTIONS

Maintain agitation throughout the spray application. Failure to agitate the spray volume may result in improper mixing of the herbicides and unsatisfactory weed control. Mixing and compatibility qualities should be verified by a jar test.

COBRA Herbicide Plus PINNACLE Herbicide Tank Mix: Add 1/2 of the required water to the spray tank and begin agitation. Add the required amount of PINNACLE and mix thoroughly. Then add the required amount of COBRA and continue mixing. Finally, add the required amount of non-ionic surfactant and the 28% N liquid fertilizer and the remaining water.

Use Restrictions for the COBRA Herbicide plus PINNACLE Herbicide Tank Mix:

1. Always read and follow all label directions when using any pesticide alone or in tank mix combinations. The most restrictive labeling applies when using a tank mix.
2. Do not apply the COBRA plus PINNACLE tank mix less than 90 days before harvesting soybeans.
3. Do not graze treated fields or harvest for forage hay.
4. Do not apply the COBRA plus PINNACLE tank mix if rain is expected within 1 hour of application or unsatisfactory weed control may result.
5. Do not apply COBRA plus PINNACLE tank mix by air.

TANK MIX WITH PURSUIT® HERBICIDE FOR CONTROL OF BROADLEAF WEEDS IN SOYBEANS GENERAL INFORMATION

For best results the COBRA plus PURSUIT tank mix should be applied to actively growing weeds. Do not apply COBRA tank mixtures during periods when the soybeans and the weeds are under stress or when conditions do not favor active weed growth. Refer to the COBRA soybean label for application timing.

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**Table 10S.
COBRA Herbicide & PURSUIT Herbicide Tank Mix-Soybeans-Rate and Time of Application Table.**

Product	Product Rate	Weeds Controlled/ Leaf Stage	Adjuvant
COBRA	6 to 12.5 fl oz./A	Refer to Table 2S for weeds controlled at 12.5 fl. oz./A	0.25% V/V non-ionic surfactant or 0.25% V/V non-ionic surfactant plus 1 to 2% V/V (28%, 32%, or 10-34-0) liquid nitrogen or 4 lbs./A Ammonium Sulfate (spray grade) or 0.5 to 1% V/V Crop Oil Concentrate or SUN-IT II™
plus COBRARATE/A			10oz. 8oz. 6oz.
plus PURSUIT			Maximum Leaf Stage
PURSUIT	4 fl oz./A	Common Lamb'squarter	4 4 2
		Copperleafs	
		Hophornbeam	6 4 C**
		Virginia	4 2 C**
		Prickly Sida	4 2 C**
		Ragweed	
		Common	6 6 4
		Giant	4 4 4

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**Table 10S. (continued)
COBRA Herbicide & PURSUIT Herbicide Tank Mix-Soybeans-Rate and Time of Application Table.**

Product	Product Rate	Weeds Controlled/ Leaf Stage	Adjuvant
		COBRARATE/A	10oz. 8oz. 6oz.
			Maximum Leaf Stage
		Tall Waterhemp	6 4 4
		Refer to PURSUIT Label for weeds claimed	

**C is the cotyledon leaf stage

**Table 10IS.
COBRA Herbicide & PURSUIT Herbicide Tank Mix-Soybeans-Rate and Time of Application Table for use in Indiana, Kentucky, Ohio and Michigan.**

Product	Product Rate	Weeds Controlled/ Weed Size	Adjuvant
COBRA	4 fl oz./A	Common Ragweed 4 leaf	0.25% V/V non-ionic surfactant or 0.25% V/V non-ionic surfactant plus 1 to 2% V/V (28%, 32%, or 10-34-0) liquid nitrogen or 4 lbs./A Ammonium Sulfate (spray grade) or 0.75 to 1% V/V Crop Oil Concentrate or SUN-IT II™

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**Table 10IS. (continued)
COBRA Herbicide & PURSUIT Herbicide Tank Mix-Soybeans Rate and Time of Application Table.**

Product	Product Rate	Weeds Controlled/ Leaf Stage	Adjuvant
		COBRARATE/A	10oz. 8oz. 6oz.
		plus PURSUIT	
PURSUIT	4 oz./A	Refer to PURSUIT Label for weeds claimed	

MIXING INSTRUCTIONS

Maintain agitation throughout the spray application. Failure to agitate the spray volume may result in improper mixing of the herbicides and unsatisfactory weed control. Mixing and compatibility qualities should be verified by a jar test.

COBRA Herbicide Plus PURSUIT Herbicide Tank Mix: Add 1/2 of the required water to the spray tank and begin agitation. Add the required amount of PURSUIT and mix thoroughly. Then add the required amount of COBRA and continue mixing. Finally, add the required amount of surfactant or the 28% N liquid fertilizer or Ammonium Sulfate (spray grade) or crop oil concentrate or Sun-It and the remaining water.

Use Restrictions for COBRA Herbicide Plus PURSUIT Herbicide Tank Mix:

1. Always read and follow all label directions when using any pesticide alone or in tank mix combinations. The most restrictive labeling applies when using a tank mix.
2. Do not apply the COBRA plus PURSUIT tank mix less than 90 days before harvesting soybeans.
3. Do not graze treated fields or harvest for forage hay.
4. Do not apply the COBRA plus PURSUIT tank mix if rain is expected within 1 hour of application or unsatisfactory weed control may result.
5. Refer to the crop rotational restrictions stated on the PURSUIT label.

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TANK MIX WITH SCEPTER® HERBICIDE FOR CONTROL OF BROADLEAF WEEDS IN SOYBEANS **GENERAL INFORMATION**

For best results, the COBRA plus SCEPTER tank mix should be applied to actively growing weeds.

Do not apply COBRA and SCEPTER tank mix during periods when the soybeans and the weeds are under stress or when conditions do not favor active weed growth.

Refer to the COBRA soybean label for application timing.

Table 11S.

COBRA Herbicide & SCEPTER Herbicide Tank Mix - Soybeans - Rate and Time of Application Table.

Product	Product Rate	Weeds Controlled/ Weed Size	Adjuvant
COBRA	12.5 fl. oz./A	Refer to Table 2S	1 pt non-ionic surfactant per 100 gals water
			Surfactant must have at least 80% active ingredient
			Do Not Use crop oil concentrate or vegetable oil
plus	plus		
		Maximum leaf stage	
SCEPTER	4 oz	Cocklebur Pigweed	12 12

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MIXING INSTRUCTIONS

Add 1/2 of the required water to the spray tank and begin agitation. Add the required amount of COBRA and mix thoroughly. Then add the required amount of COBRA and continue mixing. Finally, add the required amount of non-ionic surfactant and the remaining water. Maintain agitation throughout the spray application. Failure to agitate the spray mixture may result in improper mixing of the herbicides and unsatisfactory weed control.

Use Restrictions for COBRA Herbicide plus SCEPTER Herbicide Tank Mix:

- 1 Always read and follow all label directions when using any pesticide alone or in tank mix combinations. The most restrictive labeling applies when using a tank mix.
- 2 Do not apply the COBRA plus SCEPTER tank mix by air.
- 3 Do not graze animals on green forage or stubble. Do not utilize hay or straw for animal feed or bedding.
- 4 Do not apply the COBRA plus SCEPTER tank mix if rain is expected within 2 hours of application or unsatisfactory weed control may result.
- 5 Refer to the SCEPTER label for regional use and rotational crop restrictions.

TANK MIX WITH ASSURE® HERBICIDE FOR CONTROL OF BROADLEAF AND GRASS WEEDS IN SOYBEANS **GENERAL INFORMATION**

For best results the COBRA plus ASSURE tank mix should be applied to actively growing weeds.

Do not apply COBRA tank mixtures during periods when the soybeans and the weeds are under stress or when conditions do not favor active weed growth. Refer to the COBRA soybean label for application timing.

TANK MIX GEOGRAPHIC USE AREA

Refer to the ASSURE herbicide label for defined application areas and area rates. COBRA Herbicide does not have application area restrictions.

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Table 12S.

COBRA Herbicide & ASSURE Tank Mix - Soybeans - Rate and Time of Application Table.

Product	Product Rate	Weeds Controlled/ Weed Size	Adjuvant
COBRA	12.5 fl. oz./A	Refer to Table 2S	1 pt Crop Oil Concentrate/A
plus	plus		
		ANNUAL GRASSES	Maximum Leaf Height (in.)
ASSURE*	10 oz /A	Johnsongrass, Seeding	8
		Shattercane	12
		Volunteer Corn	18
		Wild Proso Millet	6
	14 oz /A	Crowfootgrass	6
		Fall Panicum	6
		Field Sandbur	6
		Foxtails	
		Bristly	4
		Giant	8
		Green	4
		Goosegrass	6
		Lichgrass	8
		Sprangletop	6
		Volunteer Cereals	
		Barley	6
		Oats	6
		Rye	6
		Wheat	6
		Wild Oats	6

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Table 12S. (continued)

COBRA Herbicide & ASSURE Tank Mix - Soybeans - Rate and Time of Application Table

ANNUAL GRASSES			
			Maximum Leaf Height (in.)
ASSURE*	14 oz /A	Witchgrass	6
		Woolly Cupgrass	6
	16 oz /A	Junglecane	6
PERENNIAL GRASSES			
			Maximum Leaf Height (in.)
ASSURE*	20 oz /A	Johnsongrass, Rhizome First Application	24

If regrowth of Perennial grasses occurs, make a second application of ASSURE using 14 oz product/A timed to grass weed sizes as follows: Rhizome Johnsongrass (6"-10").

* The COBRA Herbicide and ASSURE Tank Mix may show some reduction in grass control over applications of ASSURE alone. The label rate of ASSURE should be increased by 4 oz product/A when grasses are at maximum size.

**LENGTH OF LATERAL GROWTH

POTENTIAL APPLICATION WITH COBRA HERBICIDE AND ASSURE

Sequential Applications with COBRA Herbicide

Some reduction in grass control is possible when ASSURE is sequentially applied immediately prior to or after an application of COBRA Herbicide.

- After an application of ASSURE wait a minimum of 24 hours before applying COBRA Herbicide.
- In fields treated with COBRA Herbicide, do not apply ASSURE until

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grass plants are again developing new leaves (generally 7 days after the COBRA Herbicide application).

Refer to the ASSURE label for application areas and rates.

MIXING DIRECTIONS

Maintain agitation throughout the spray application. Failure to agitate the spray volume may result in improper mixing of the herbicides and unsatisfactory weed control. Mixing and compatibility qualities should be verified by a jar test.

COBRA Plus ASSURE Tank Mix: Add 1/2 of the required water to the spray tank and begin agitation. Add the required amount of ASSURE and mix thoroughly. Then add the required amount of COBRA and continue mixing. Finally, add the required amount of crop oil concentrate and the remaining water.

Use Restrictions for COBRA Plus ASSURE Tank Mix:

- 1 Always read and follow all label directions when using any pesticide alone or in tank mix combinations. The most restrictive labeling applies when using a tank mix.
- 2 Do not apply the COBRA plus ASSURE tank mix less than 90 days before harvesting soybeans.
- 3 Do not graze treated fields or harvest for forage hay.
- 4 Do not apply the COBRA plus ASSURE tank mix if rain is expected within 1 hour of application or unsatisfactory weed control may result.
- 5 Do not use vegetable (crop origin) oils as spray adjuvant or carrier.
- 6 Do not apply ASSURE to plants stressed due to insufficient moisture. Grass weeds under this condition frequently become less sensitive to herbicide activity.
- 7 Do not cultivate within 7 days before or 7 days after an application of ASSURE as control may be unsatisfactory.
- 8 Do not apply ASSURE when environmental conditions are such that drift to other crops and non-target areas is possible. Grass crops such as corn, sorghum, wheat, rice, etc. are highly sensitive to ASSURE.
- 9 Do not apply more than 40 oz. of ASSURE per acre per season.

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9. Do not apply after pod set.
10. Do not rotate to crops other than soybeans within 120 days after application.
12. Users in Texas must confer with personnel of regional U.S. Fish and Wildlife Service offices to insure that federally protected plants are not exposed to this product.

TANK MIX WITH FUSILADE® 2000 HERBICIDE FOR CONTROL OF BROADLEAF WEEDS IN SOYBEANS **GENERAL INFORMATION**

For best results the COBRA plus FUSILADE 2000 tank mix should be applied to actively growing weeds.

Do not apply COBRA tank mixtures during periods when the soybeans and the weeds are under stress or when conditions do not favor active weed growth. Refer to the COBRA soybean label for application timing.

TANK MIX GEOGRAPHIC USE AREA

Refer to the FUSILADE 2000 Herbicide label for defined application areas and area rates. COBRA Herbicide does not have application area restrictions.

Table 13S.

COBRA Herbicide & FUSILADE 2000 Herbicide Tank Mix - Soybeans - Rate and Time of Application Table.

Product	Product Rate	Weeds Controlled/ Weed Size	Adjuvant
COBRA	12.5 fl. oz./A	Refer to Table 2S	1 pt Crop Oil Concentrate/A

plus plus
FUSILADE

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Table 13S. (continued)
COBRA Herbicide & FUSILADE 2000 Herbicide Tank Mix - Soybeans -
Rate and Time of Application Table.

ANNUAL GRASSES			Maximum Leaf Height (in.)
FUSILADE	24 oz /A		
Barnyardgrass			3
Broadleaf Signalgrass			4
Crabgrass			2
Large			2
Smooth			2
Southern			2
Tropical			2
Downy Brome			6
Fall Panicum			6
Field Sandbur			4
Foxtails			
Giant			6
Green			4
Yellow			4
Goosegrass			4
Itchenegrass			4
Itchgrass			24
Johnsongrass			
Seeding			8
Junglerice			3
Shattercane			12
Sorghum Almum			12
Southern Sandbur			6
Texas Panicum			8
Volunteer Cereals			
Barley			6
Corn			24
Milo			12
Oats			6

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Table 13S. (continued)
COBRA Herbicide & FUSILADE 2000 Herbicide Tank Mix - Soybeans -
Rate and Time of Application Table.

ANNUAL GRASSES			Maximum Leaf Height (in.)
FUSILADE	24 oz /A		
Rye			6
Wheat			6
Wild Proso Millet			8
Witchgrass			4
Wild Oats			6
Woolly Cupgrass			4
Red Rice			1
PERENNIAL GRASSES			Maximum Leaf Height (in.)
FUSILADE	24 oz /A		
Bermudagrass			8
First Application			
Quackgrass			10
First Application			
Johnsongrass, Rhizome			18
First Application			
Wirestem Muhly			12
First Application			

If regrowth of Perennial grasses occurs, make a second application of FUSILADE 2000 using 16 oz product/A timed to grass weed sizes as follows: Rhizome Johnsongrass (6"-12") Bermudagrass (4"-8"), Quackgrass (up to 10")
If regrowth of Perennial grasses occurs, make a second application of FUSILADE 2000 using 24 oz product/A timed to grass weed size as follows: Wirestem Muhly (4"-12")

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SEQUENTIAL APPLICATION WITH COBRA HERBICIDE AND FUSILADE 2000

Sequential Applications with COBRA Herbicide
Some reduction in grass control is possible when FUSILADE 2000 is sequentially applied immediately prior to or after an application of COBRA Herbicide.

- After an application of FUSILADE 2000 wait a minimum of 24 hours before applying COBRA Herbicide.
- In fields treated with COBRA Herbicide, do not apply FUSILADE 2000 until grass plants are again developing new leaves (generally 7 days after the COBRA Herbicide application)
- Refer to the FUSILADE label for application areas and rates

MIXING INSTRUCTIONS

Maintain agitation throughout the spray application. Failure to agitate the spray volume may result in improper mixing of the herbicides and unsatisfactory weed control. Mixing and compatibility qualities should be verified by a jar test.

COBRA Herbicide Plus FUSILADE 2000 Herbicide Tank Mix: Add 1/2 of the required water to the spray tank and begin agitation. Add the required amount of FUSILADE 2000 and mix thoroughly. Then add the required amount of COBRA and continue mixing. Finally, add the required amount of crop oil concentrate or the 28% N liquid fertilizer and the remaining water.

Use Restrictions for COBRA Herbicide Plus FUSILADE 2000 Herbicide Tank Mix:

- Always read and follow all label directions when using any pesticide alone or in tank mix combinations. The most restrictive labeling applies when using a tank mix.
- Do not apply the COBRA plus FUSILADE 2000 tank mix less than 90 days before harvesting soybeans.
- Do not graze treated fields or harvest for forage hay.
- Do not apply the COBRA plus FUSILADE 2000 tank mix if rain is expected within 1 hour of application or unsatisfactory weed control may result.

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- Do not apply a total of more than 64 oz of FUSILADE 2000 Herbicide per acre per season to soybeans.
- Make the last FUSILADE 2000 application to soybeans before bloom.
- Do not plant rotational grass crops such as corn, sorghum, and cereals within 60 days of last application of FUSILADE 2000.
- Avoid drift to all other crops and nontarget areas. Grass crops are highly susceptible to FUSILADE 2000 Herbicide.

TANK MIX WITH OPTION® HERBICIDE FOR CONTROL OF BROADLEAF AND GRASS WEEDS IN SOYBEANS

GENERAL INFORMATION
For best results the COBRA plus OPTION tank mix should be applied to actively growing weeds.

Do not apply COBRA tank mixtures during periods when the soybeans and the weeds are under stress or when conditions do not favor active weeds growth. Refer to the COBRA soybean label for application timing.

TANK MIX GEOGRAPHIC USE AREA

Refer to the OPTION Herbicide label for defined application areas and area rates. COBRA Herbicide does not have application area restrictions.

Table 14S.
COBRA Herbicide & OPTION Herbicide Tank Mix - Soybeans - Rate and
Time of Application Table.

Product	Product Rate	Weeds Controlled/ Weed Size	Adjuvant
COBRA	24 oz /A	Refer to Table 2S.	1 pt Crop Oil Concentrate /A

plus

OPTION

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Table 14S. (continued)
COBRA Herbicide & OPTION Herbicide Tank Mix - Soybeans - Rate and
Time of Application Table.

ANNUAL GRASSES			Maximum Leaf Height (in.)
OPTION	13 oz /A		
Foxtail			6
Giant			6
Green			6
Johnsongrass			10
Seeding			12
Shattercane			16
Volunteer Corn			10
Wild Proso Millet			10
19 oz /A			
Barnyardgrass			6
Broadleaf			6
Signalgrass			6
Crabgrass			2
Large			2
Smooth			2
Fall Panicum			6
Foxtail			6
Bristly			6
Robust Purple			6
Yellow			6
Itchgrass			6
Junglerice			6
Southwestern			6
Cupgrass			6
Sprangletop			20
Texas Panicum			20
Wild Oats			20
Wirestem Muhly			6

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Table 14S. (continued)
COBRA Herbicide & OPTION Herbicide Tank Mix - Soybeans - Rate and
Time of Application Table.

ANNUAL GRASSES			Maximum Leaf Height (in.)
OPTION	19 oz /A		
Witchgrass			20
Woolly Cupgrass			20
PERENNIAL GRASSES			Maximum Leaf Height (in.)
OPTION	19 oz /A		
Johnsongrass, Rhizome			20
First Application			

If regrowth of Perennial grasses occurs, make a second application of OPTION using 13 oz product/A timed to grass weed size as follows: Rhizome Johnsongrass (20")

SEQUENTIAL APPLICATION WITH COBRA HERBICIDE AND OPTION HERBICIDE

Sequential Applications with COBRA Herbicide
Some reduction in grass control is possible when OPTION is sequentially applied immediately prior to or after an application of COBRA Herbicide.

- After an application of OPTION, wait a minimum of 24 hours before applying COBRA Herbicide.
- In fields treated with COBRA Herbicide, do not apply OPTION until grass plants are again developing new leaves (generally 7 days after the COBRA Herbicide application)
- Refer to the OPTION label for application areas and rates

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MIXING INSTRUCTIONS

Maintain agitation throughout the spray application. Failure to agitate the spray volume may result in improper mixing of the herbicides and unsatisfactory weed control. Mixing and compatibility qualities should be verified by a jar test.

COBRA Plus OPTION Tank Mix: Add 1/2 of the required water to the spray tank and begin agitation. Add the required amount of OPTION and mix thoroughly. Then add the required amount of COBRA and continue mixing. Finally, add the required amount of crop oil concentrate and the remaining water.

Use Restrictions for COBRA Plus OPTION Tank Mix:

1. Always read and follow all label directions when using any pesticide alone or in tank mix combinations. The most restrictive labeling applies when using a tank mix.
2. Do not apply the COBRA plus OPTION tank mix less than 90 days before harvesting soybeans.
3. Do not graze treated fields or harvest for forage hay.
4. Do not apply the COBRA plus OPTION tank mix if rain is expected within 4 hours of application or unsatisfactory weed control may result.
5. Annual Ryegrass, Quackgrass and Bermudagrass are not controlled by OPTION.
6. DO NOT plant any rotational crop in an OPTION treated field for 30 days after application (120 days for small grains).

COMMAND 4 EC HERBICIDE FOLLOWED BY Reduced Rates of COBRA™ HERBICIDE GENERAL INFORMATION

COMMAND 4 EC may be utilized as a preemergent soil applied (see geographical restrictions) or soil incorporated treatment for control of annual grass and broadleaf weeds in soybeans. Following an application of COMMAND 4 EC, a postemergence application with COBRA may be applied for control of additional broadleaf weed species at a lower rate than possible following other preemergent herbicides.

Do not apply COBRA during periods when soybeans and the weeds are

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under stress or when conditions do not favor active weed growth. COBRA should be applied to small, actively growing weeds (normally 14 to 21 days after planting). A timely cultivation approximately one week to ten days after the application of COBRA will assist in weed control.

A temporary crop response should be expected following a post-emergence application of COBRA. Soybeans quickly outgrow all initial herbicide effects, and all new growth following initial crop response will be normal.

IMPORTANT

Read and carefully observe all the precautionary statements, instructions, rotational restrictions and all other information appearing on each product's package label.

COMMAND 4 EC GEOGRAPHICAL RESTRICTIONS - NORTHERN USE AREA

COMMAND 4 EC must be soil incorporated in the following Northern Use Area states:

Delaware	Kansas	Minnesota	Pennsylvania
Illinois	Kentucky	Missouri *	Virginia
Indiana	Maryland	New Jersey	West Virginia
Iowa	Michigan	Ohio	Wisconsin

Exclude Bootheel Counties: Butler, Dunklin, Mississippi, New Madrid, Pemiscot, Scott and Stoddard.

COMMAND 4 EC may be applied as a preemergence soil applied treatment without incorporation in the following Northern Use Area states: Nebraska, North Dakota, South Dakota.

COMMAND 4 EC APPLICATION PRECAUTIONS FOR PREEMERGENCE USE

Except as restricted above, COMMAND 4 EC may be used as a preemergence soil applied treatment without incorporation, however, additional precautions beyond those required for a soil incorporated treatment, must be taken as follows:

Do not apply COMMAND 4 EC within 1,500 ft. of the following areas: Towns and Subdivisions, Commercial Fruit or Vegetable Production and Commercial Greenhouses or Nurseries. Prior to application, adjacent proper-

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ties must be checked and spraying within 1,500 ft. of desirable plants avoided.

*Except Sweet Corn

Table 155.

NORTHERN USE AREA

COMMAND 4 EC Herbicide and COBRA Herbicide Sequential - Soybeans - Rate and Time of Application Table.

Product	Product Rate	Weeds Controlled/ Weed Size	Adjuvant
COMMAND*	15 pts/A	GRASSES Barnyardgrass Common Panicum Crabgrass Large Smooth Fall Panicum Field Sandbur Foxtail Giant Green Robust Purple Yellow Goosegrass Johnsongrass, Seeding Texas Panicum	
		BROADLEAVES Common Lambsquarter Galinsoga Jimsonweed** Pennsylvania Smartweed** Prickly Sida Purslane Ragweed Common	

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Table 155. (continued)

NORTHERN USE AREA

COMMAND 4 EC Herbicide and COBRA Herbicide Sequential - Soybeans - Rate and Time of Application Table.

Product	Product Rate	Weeds Controlled/ Weed Size	Adjuvant
COMMAND*	15 pts/A	BROADLEAVES Spurred Anoda Velvetleaf Venice Mallow	
	post emerge		Refer to Table 15
		Maximum leaf stage	
COBRA	10 fl oz/A	Burcucumber Common Cocklebur Hemp Sesbania Jimsonweed Morningglory** Ivyleaf Pitted Tall Mustard spp Nightshade spp Pigweed (all Ama- ranthus species including fall Waterhemp) Ragweed Common Giant Sunflower	4 4 4 2 2 2 6 4 6 4 6 2
	post emerge		Refer to Table 25
COBRA	12.5 fl oz/A		

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- * When using COMMAND 4 EC as a surface treatment more than 30 days prior to planting, the highest label rate (2 pts/A) should be used.
- **Partially controlled.

ROTATIONAL GUIDELINES - NORTHERN USE AREA

Rotate to crops as listed below (following 15 pt. per acre rate of COMMAND 4 EC). Otherwise crop injury may occur. Refer to COMMAND 4 EC label for rotational guidelines at higher rates.

ANYTIME Soybeans, Pumpkins

9 MONTHS Corn (Field, Pop, Seed, Sweet), Cotton, Cucurbits, Dry Beans, Peanuts, Peas, Peppers, Potatoes, Rice, Snap Beans, Sorghum, Sugar Beets, Sweet Potatoes, Tobacco, Tomatoes (Transplanted)

12 MONTHS All 9 Month crops plus Cabbage, Tomatoes (all), Wheat

16 MONTHS All crops

Cover crops, however, may be planted anytime, but stand reduction may occur in some areas. Do not graze or harvest for food or feed cover crops planted less than 9 months after COMMAND 4 EC treatment.

Use Restrictions for COMMAND 4 EC followed by COBRA Herbicide:

1. Always read and follow all label directions when using any pesticide alone or sequentially. The most restrictive labeling applies when using a tank mix.
2. Do not apply the COBRA less than 90 days before harvesting soybeans.
3. Do not graze treated fields or harvest for forage hay.
4. Do not apply the COBRA if rain is expected within 30 minutes of application or unsatisfactory weed control may result.

COMMAND 4 EC GEOGRAPHIC RESTRICTIONS - SOUTHERN USE AREA

COMMAND 4 EC may be applied as a preemergence soil applied treatment without incorporation in the following Southern Use Area states:

Alabama	Louisiana	Oklahoma
Arkansas	Mississippi	South Carolina
Florida	Missouri *	Tennessee
Georgia	North Carolina	Texas

* Bootheel Counties: Butler, Dunklin, Mississippi, New Madrid, Pemiscot, Scott and Stoddard.

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COMMAND 4 EC APPLICATION PRECAUTIONS FOR PREEMERGENCE USE

In the Southern Use Area (see above) COMMAND 4 EC may be used as a soil applied treatment without incorporation, however, additional precautions beyond those required for a soil incorporated treatment, must be taken as follows:

Do not apply COMMAND 4 EC within 1,500 ft. of the following areas: Towns and Subdivisions, Commercial Fruit or Vegetable Production, and Commercial Greenhouses or Nurseries. Prior to application, adjacent properties must be checked, and spraying within 1,500 ft. of desirable plants avoided.

*Except Sweet Corn

Table 155.

SOUTHERN USE AREA

COMMAND 4 EC and COBRA Herbicide Sequential - Soybeans - Rate and Time of Application Table.

Product	Product Rate	Weeds Controlled/ Weed Size	Adjuvant
COMMAND*	20 pts/A	GRASSES Barnyardgrass Bermudagrass* Broadleaf Signalgrass Common Panicum Crabgrass Large Smooth Fall Panicum Field Sandbur Foxtail Giant Green Goosegrass Itchgrass** Johnsongrass, Seeding	

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Table 16S. (continued)

SOUTHERN USE AREA
COMMAND 4 EC and COBRA Herbicide Sequential - Soybeans - Rate and Time of Application Table.

Product	Product Rate	Weeds Controlled/ Weed Size	Adjuvant
COMMAND*	2.0 pts/A	GRASSES Red Rice* Southwestern Cupgrass Texas Panicum Woolly Cupgrass BROADLEAVES Common Lambsquarter Croton Tropic Dayflower Florida Pusley Jimsonweed Kochia** Pennsylvania Smartweed** Prickly Sida Purslane Ragweed Common Redvine** Redweed Spurred Anoda Velvetleaf Venice Mallow Wild Poinsettia**	
_____ post _____ emerge			

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Table 16S. (continued)

SOUTHERN USE AREA
COMMAND 4 EC and COBRA Herbicide Sequential - Soybeans - Rate and Time of Application Table.

Product	Product Rate	Weeds Controlled/ Weed Size	Maximum leaf stage	Refer to Table 1S
COBRA	10 fl oz/A	Balloonvine Burdock Common Cocklebur Hemp Sesbania Morningglory Ivyleaf* Pitted* Tall* Mustard spp Nightshade spp Pennsylvania Smartweed** Pigweed spp (all) Ragweed Giant Sunflower Wild Poinsettia	4 4 4 4 2 2 2 6 4 2 6 2 2	
_____ post _____ emerge				
COBRA	12.5 fl oz/A	Refer to Table 2S		

* When using COMMAND 4 EC as a surface treatment more than 30 days prior to planting, the highest label rate (2.5 pts) should be used.
 **Partially controlled

ROTATIONAL GUIDELINES - SOUTHERN USE AREA

Rotate to crops as listed below (following 2 pts per acre rate of COMMAND 4 EC) otherwise crop injury may occur. Refer to COMMAND 4 EC label for rotational guidelines at higher rates.
ANYTIME Soybeans, Pumpkins

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9 MONTHS Corn (Field, Pop, Seed, Sweet), Cotton, Cucurbits, Dry Beans, Peanuts, Peas, Peppers, Potatoes, Rice, Snap Beans, Sorghum, Sugar Beets, Sweet Potatoes, Tobacco, Tomatoes (Transplanted), 12 MONTHS All crops

Cover crops may be planted anytime but stand reductions may occur in some areas. Do not graze or harvest for food or feed cover crops planted less than 9 months after COMMAND 4 EC treatment.

Use Restrictions for COMMAND 4 EC followed by COBRA Herbicide:

1. Always read and follow all label directions when using any pesticide alone or sequentially. The most restrictive labeling applies when using a tank mix.
2. Do not apply the COBRA less than 90 days before harvesting soybeans.
3. Do not graze treated fields or harvest for forage hay.
4. Do not apply the COBRA if rain is expected within 30 minutes of application or unsatisfactory weed control may result.

PURSUIT PLUS 3 AS Herbicide Followed by

Reduced Rates of COBRA Herbicide

GENERAL INFORMATION

PURSUIT PLUS 3 AS may be utilized as a preemergent soil applied or preplant incorporated treatment for control of annual grass and broadleaf weeds in soybeans. Following an application of PURSUIT PLUS 3 AS, a postemergence application with COBRA may be applied for control of additional broadleaf weed species at lower rates than possible following other preemergent herbicides.

Do not apply COBRA during periods when soybeans and the weeds are under stress or when conditions do not favor active weed growth. COBRA should be applied to small, actively growing weeds (normally 14 to 21 days after planting). A timely cultivation approximately one week to ten days after the application of COBRA will assist in weed control.

IMPORTANT

Read and carefully observe all the precautionary statements, instructions, rotational restrictions and other information appearing on each product's package label.

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Table 17S.

PURSUIT PLUS 3 AS Herbicide and COBRA Herbicide Sequential - Soybeans - Rate and Time of Application Table.

Product	Product Rate	Weeds Controlled/ Weed Size	Adjuvant
PURSUIT PLUS	2.5 pts/A	Refer to PURSUIT PLUS label for weeds claimed	
_____ post _____ emerge			
COBRA	6 to 12.5 fl oz/A	Refer to Table 2S for weeds controlled at 12.5 fl oz/A	Refer to Table 1S
_____ post _____ emerge			
COBRA RATE*		10 oz	8 oz 6 oz
		Maximum Leaf Stage	
Common Cocklebur		6	4 2
Common Ragweed		4	3 2

Use Restrictions for PURSUIT PLUS followed by COBRA Herbicide:

1. Always read and follow all label directions when using any pesticide alone or sequentially. The most restrictive labeling applies when using a tank mix.
2. Do not apply the COBRA less than 90 days before harvesting soybeans.
3. Do not graze treated fields or harvest for forage hay.
4. Do not apply the COBRA if rain is expected within 30 minutes of application or unsatisfactory weed control may result.

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PASSPORT 2.6 AS Herbicide Followed by

Reduced Rates of COBRA Herbicide

GENERAL INFORMATION

PASSPORT 2.6 AS must be a preplant incorporated treatment for control of annual grass and broadleaf weeds in soybeans. Following an application of PASSPORT 2.6 AS, a postemergence application with COBRA may be applied for control of additional broadleaf weed species at lower rates than possible following other preemergent herbicides. Do not apply COBRA during periods when soybeans and the weeds are under stress or when conditions do not favor active weed growth. COBRA should be applied to small, actively growing weeds (normally 14 to 21 days after planting). A timely cultivation approximately one week to ten days after the application of COBRA will assist in weed control.

IMPORTANT

Read and carefully observe all the precautionary statements, instructions, rotational restrictions and all other information appearing on each product's package label.

Table 18S.

PASSPORT 2.6 AS Herbicide and COBRA Herbicide Sequential - Soybeans - Rate and Time of Application Table.

Product	Product Rate	Weeds Controlled/ Weed Size	Adjuvant
PASSPORT	2.5 pts/A	Refer to PASSPORT label for weeds controlled	
_____ post _____ emerge			
COBRA	6 to 12.5 fl oz/A	Refer to Table 2S for weeds controlled at 12.5 fl oz/A	Refer to Table 1S

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Table 18S. (continued)

Product	Product Rate	Weeds Controlled/ Weed Size	Adjuvant
		COBRA RATE/A	10 oz 8 oz 6 oz
		Maximum Leaf Stage	
Common Cocklebur		6	4 2
Common Ragweed		4	3 2

Use Restrictions for PASSPORT Herbicide followed by COBRA Herbicide:

1. Always read and follow all label directions when using any pesticide alone or sequentially. The most restrictive labeling applies when using a tank mix.
2. Do not apply the COBRA less than 90 days before harvesting soybeans.
3. Do not graze treated fields or harvest for forage hay.
4. Do not apply the COBRA if rain is expected within 30 minutes of application or unsatisfactory weed control may result.

COBRA HERBICIDE FOR POST DIRECTED APPLICATION IN COTTON

GENERAL INFORMATION

COBRA Herbicide is a broadspectrum contact herbicide for post emergence directed control of broadleaf weeds in cotton. Apply COBRA postemergence as a directed spray application following a preplant incorporated or preemergence herbicide(s) for early season control of grasses and broadleaf weeds.

Use COBRA herbicide as a postemergence directed application when the cotton plant has reached a minimum height of 6 inches and a height difference of 3 to 5 inches has been established between the lower

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leaves of the cotton plant and the top of the broadleaf weeds. COBRA Herbicide may also be applied as a layby applicator after cotton has reached a height of 12 inches or more. Layby applications of COBRA Herbicide will control broadleaf weeds that do not exceed leaf stage recommendations listed in Table 6C of this label. For enhanced control of large mid to late season problem broadleaf weeds, a tank mix of COBRA Herbicide with BLADEX, KARMEK, or MSMA is required. Refer to the label section on TANK MIXES for specific recommendations. Use of a petroleum base crop oil concentrate or a non-ionic surfactant is required. Refer to the label section on ADJUVANTS for specific recommendations.

Under conditions of normal weed growth, COBRA may be applied up to 30 minutes before rainfall without reducing weed control.

PRECAUTIONS

COBRA Herbicide should not be applied later than 70 days before harvest. Do not graze animals on green forage or stubble. Do not utilize hay or straw for animal feed or bedding.

COTTON TOLERANCE

Apply COBRA Herbicide to cotton **ONLY** as a **DIRECTED SPRAY** application with nozzles set to deliver the spray mixture toward the base of the cotton plant, as specified in the "Timing" and "Application" sections of this label. Lower leaves which are contacted by the spray mixture will appear spotted or light brown to bronze in color. This response will have no effect on the growth or development of the cotton crop, and all growth following application will be normal.

It is essential to establish a height differential of 3 to 5 inches between the crop and the target weeds prior to application to ensure full coverage of the weed leaf surfaces while minimizing direct contact of the spray mixture with the upper leaves and terminal area of the cotton plant.

COBRA is a contact herbicide. It does not move throughout the cotton plant and it will not vaporize off the soil surface.

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CULTIVATION

When postemergence directing COBRA Herbicide at the same time as cultivation, the spray nozzles must be positioned in front of the cultivation equipment. Applying COBRA Herbicide at the time of cultivation under dry soil conditions will cause excessive dust which will prevent proper contact between COBRA Herbicide and the weed surface. This reduced contact will decrease weed control activity. In addition, applying COBRA Herbicide while cultivating at ground speeds greater than 5 mph will prevent good coverage of the weed surface by the spray solution and reduce weed control activity.

APPLICATION RATES

COBRA APPLIED ALONE — Apply COBRA Herbicide at a rate of 12.5 fl. oz. per acre on a broadcast basis. The sprayer must be equipped with flat fan or off-center fan nozzles designed to deliver 10 to 30 gals. of water per acre when operated at a spray pressure of 20 to 30 PSI measured at the nozzle. Pressures greater than 30 PSI may cause the spray mist to move upward into the cotton canopy resulting in severe crop injury.

Table 1C.

APPLICATION RATES Post-Directed: COTTON 6" or More OR Layby: COTTON 12" or More COBRA HERBICIDE

Application Timing	Broadcast Rate/Acre	Comments
Post-directed COTTON 6" or more		Reduce broadcast rate in proportion to band area actually treated (See SPRAYER CALIBRATION)
OR Layby COTTON 12" or more	12.5 fl. oz.	

ADJUVANTS

The use of recommended adjuvants has consistently enhanced weed control over a wide range of application conditions.

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DO NOT apply COBRA Herbicide **OVER-THE-TOP** of cotton.

TIMING

Post-Directed:
COTTON 6"
or More

For best results, COBRA Herbicide should be applied to small, actively growing weeds. Nozzles should be set to spray no higher than the bottom 2 to 3 inches of the cotton stalk (or the top of the bark formation) and still fully cover the target weeds. A properly timed directed spray application will provide control of labeled weeds not larger than indicated in Table 6C.

Layby:
COTTON 12"
or More

When weed heights are larger than those listed in Table 6C, a tank mix of COBRA plus BLADEX, KARMEK, or MSMA is required. Nozzles should be set to spray no higher than the bottom 1/2 of the cotton stalk (up to the first fruiting node) and still fully cover the target weeds. Use of tank mix combinations will provide better control of larger late-season troublesome weeds in cotton. See Table 7C for weed size recommendations for COBRA tank mix combinations. Refer to the label section on TANK MIXES for specific use directions.

Apply COBRA under conditions that promote active weed growth. **DO NOT** apply COBRA Herbicide when weeds are under stress. Weeds under stress tend to "harden off" and become less susceptible to herbicide activity. **DO NOT** apply COBRA Herbicide under conditions of drought or when rainfall has been less than 1 inch in a consecutive 2-week period, when excessive water has saturated the field for 3 or more consecutive days or when high temperatures are in combination with low soil moisture or in combination with low humidity. Applying COBRA Herbicide under these conditions may result in unsatisfactory weed control. Conditions such as those described above which precede or immediately follow a COBRA application may adversely affect the performance of the herbicide.

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DIRECTED BAND APPLICATION

Directed row banding is required for use of COBRA Herbicide in cotton. Two nozzles per row, one on each side, are required for postemergence directed application. Tractor ground speed should not exceed 5 mph. The spray equipment used should accurately direct the spray pattern to the base of the cotton plant to minimize contact with the cotton plant and provide good coverage of the target weeds. Spray nozzles should be positioned a minimum of 3 inches above the soil surface and angled backward so that the spray solution discharges to the rear and under the row canopy. The use of leaf lifters or shields on application equipment is recommended to help reduce spray contact with the cotton plant. Row banding equipment should be adjusted to provide maximum coverage of weeds in the banding area.

SPRAYER CALIBRATION

FIELD CALIBRATE YOUR SPRAYER: Improper calibration will adversely affect the spray pattern and reduce weed control. Delivery rates shown in equipment catalogs may not accurately reflect your actual delivery rate. When calibrating, spray pressure should be measured at the spray nozzle to assure accurate delivery rates. Refer to manufacturer's chart for recommended spray volume, spray pressure, and ground speed for the nozzles and the directed spray system you are using. **HERBICIDE RATES, ADJUVANT RATES AND SPRAY VOLUME RECOMMENDATIONS** are presented as **BROADCAST EQUIVALENTS**, and must be reduced in proportion to the area actually treated. Use the following formulas to calculate the correct rate and volume per planted (field) acre.

$$\frac{\text{Band Width (inches)}}{\text{Row Width (inches)}} \times \text{Broadcast Rate/Acre} = \text{Amount of Herbicide Needed per Field Acre}$$

$$\frac{\text{Band Width (inches)}}{\text{Row Width (inches)}} \times \text{Broadcast Volume/Acre} = \text{Amount of Water Needed per Field Acre}$$

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For Post-directed application of COBRA to cotton at least 6" tall, use either a non-ionic surfactant at 2 pts. per 100 gals. spray solution, **OR** crop oil concentrate at 5 to 1 pt. per acre (broadcast basis), if bark formation has begun.

For Layby application of COBRA to cotton 12" tall (or more), use a crop oil concentrate at 1 to 2 pts. per acre (broadcast basis).

Table 2C.

ADJUVANT RECOMMENDATIONS

Application Timing	Adjuvant	Broadcast Rate/Acre	Comments
Post-Directed COTTON 6" or more	Crop Oil Concentrate	5 to 1 pt. (8 to 16 fl. oz.)	Reduce broadcast rate in proportion to band area actually treated (See SPRAYER CALIBRATION)
	OR Non-ionic Surfactant	2 pts. per 100 gals. spray solution	Use prior to bark formation to minimize stalk discoloration
Layby COTTON 12" or more	Crop Oil Concentrate	1 to 2 pts. (16 to 32 fl. oz.)	Reduce broadcast rate in proportion to band area actually treated (See SPRAYER CALIBRATION)

TANK MIXES

COBRA plus BLADEX* — Apply a tank mix combination of COBRA Herbicide plus BLADEX 90DF, 80W or 4L at layby after cotton has attained a minimum height of 12 inches and before weeds are larger than listed in Table 7C. Apply COBRA Herbicide at a rate of 12.5 fl. oz. per acre plus BLADEX at a rate of 0.66 to 1.11 lbs. of 90DF, 0.75 to 1.25 lbs. of 80W or 0.7

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to 10 qt. of 4L per acre on a broadcast basis. The sprayer must be equipped with flat fan or off-center fan nozzles designed to deliver 10 to 30 gals. of water per acre when operated at a spray pressure of 20 to 30 PSI measured at the nozzle. Pressures greater than 30 PSI may cause the spray mist to move upward into the cotton canopy resulting in crop injury. Use of a crop oil concentrate spray additive is required at the rate of 1 to 2 pts. per acre.

Table 3C.

COBRA + BLADEX (90DF, 80W or 4L) TANK MIX APPLICATION RATES

Application Timing	Product/Formulation	Broadcast Rate/Acre	Comments
Layby: COTTON 12" or more	COBRA + BLADEX	2E	12.5 fl. oz.
		90D	66 to 111 lbs. (10.5 to 17.5 oz.)
	OR	80W	75 to 125 lbs. (12 to 20 oz.)
	OR	4L	7 to 1 qt. (22 to 32 fl. oz.)

COBRA plus KARMEK* — Apply a tank mix combination of COBRA Herbicide plus KARMEK 80W, at layby after cotton has attained a minimum height of 12 inches but before weeds are larger than listed in Table 7C. Apply COBRA Herbicide at a rate of 12.5 fl. oz. per acre plus KARMEK at a rate of 8.0 to 12.0 oz. per acre on a broadcast basis. The sprayer must be equipped with flat fan or off-center fan nozzles designed to deliver 10 to 30 gals. of water per acre when operated at a spray pressure of 20 to 30 PSI measured at the nozzle. Pressures greater than 30 PSI may cause

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the spray mist to move upward into the cotton canopy resulting in crop injury. Use of a crop oil concentrate spray additive is required at the rate of 1 to 2 pts. per acre.

Table 4C

**COBRA + KARMEK 80W TANK MIX
APPLICATION RATES**

Application Timing	Product/Formulation	Broadcast Rate/Acre	Comments
Layby	COBRA 2E	12.5 fl. oz.	Reduce broadcast rate in proportion to the band area actually treated (See SPRAYER CALIBRATION).
COTTON 12" or more	KARMEK 80W	.5 to .75 lbs. (8 to 12 oz.)	

COBRA plus MSMA — (COTTON 6" or more)

Apply a tank mix combination of COBRA Herbicide plus MSMA after cotton has attained a minimum height of 6 inches but before cotton reaches the bloom stage. Apply to weeds no larger than listed in Table 6C. Apply COBRA Herbicide at a rate of 12.5 fl. oz. per acre plus MSMA at a rate of 4 pts. per acre of a 4 lbs./gal. or 2.4 pts. per acre of a 6.6 lbs./gal. MSMA on a broadcast basis. The sprayer must be equipped with flat fan or off-center fan nozzles designed to deliver 10 to 30 gals. of water per acre when operated at 20 to 30 PSI measured at the nozzle. Pressures greater than 30 PSI may cause the spray mist to move upward into the cotton canopy resulting in crop injury. While some formulations of MSMA contain added surfactant and provide enough wetting action to enhance COBRA activity, the use of either a non-ionic surfactant at 2 pts. per 100 gals. of spray solution, OR, a crop oil concentrate at .5 to 1 pt. per acre (broadcast basis) may further enhance control of large weeds.

COBRA plus MSMA — (COTTON 12" or more)

Apply a tank mix combination of COBRA Herbicide plus MSMA after cot-

ton has attained a minimum height of 12 inches but before cotton reaches the bloom stage. Apply to weeds no larger than listed in Table 6C. Apply COBRA Herbicide at a rate of 12.5 fl. oz. per acre plus MSMA at a rate of 4 pts. per acre of a 4 lbs./gal. or 2.4 pts. per acre of a 6.6 lbs./gal. MSMA on a broadcast basis. The sprayer must be equipped with flat fan or off-center fan nozzles designed to deliver 10 to 30 gals. of water per acre when operated at 20 to 30 PSI measured at the nozzle. Pressures greater than 30 PSI may cause the spray mist to move upward into the cotton canopy resulting in crop injury. While some formulations of MSMA contain added surfactant and provide enough wetting action to enhance COBRA activity, the use of a crop oil concentrate at 1 to 2 pts. per acre (broadcast basis) may further enhance control of large weeds.

Table 5C.

**COBRA + MSMA TANK MIX
Post-Directed: COTTON 6" or More
OR Layby: COTTON 12" or More
APPLICATION RATES**

Application Timing	Product/Formulation	Broadcast Rate/Acre	Comments
USE BEFORE BLOOM			
Post-Directed: COTTON 6" or more	COBRA + MSMA	2E 12.5 fl. oz. 4 lbs./gal. (4 oz.)	Reduce broadcast rate in proportion to the band area actually treated (See SPRAYER CALIBRATION).
Layby COTTON 12" or more	OR	6.6 lbs./gal. 2.4 pts. (38.4 oz.)	

Table 6C.

**WEEDS CONTROLLED BY COBRA and
COBRA + MSMA TANK MIX
Cotton 6" to 8" Tall — Directed Postemergence
OR Cotton 12" (or more) — Layby
COBRA RATE — 12.5 fl. oz./Acre**

Common Name	Maximum Leaf Stage
Balloonvine	4
Beggarticks	6
Bristly Starbur	4
Buffalobur	4
Burcucumber	4
Carpetweed	8 in diameter
Common Cocklebur	6
Common Purslane	8 in diameter
Copperleaf	
Hophornbeam	4
Virginia	4
Croton	
Tropic	4
Woody	4
Devilsclaw	4
Ecklonia	6
Florida Beggartick	2
Florida Pusley	6
Groundcherry	
Cutleaf	6
Lanceleaf	6
Hairy Galinsoga	4
Hemp Sesbania	6
Jimsonweed	4
Mexicanweed	4
Morningglory	
Cypressvine	4
Entireleaf	2
Ivyleaf	2

Table 6C (continued)
Common Name

Maximum Leaf Stage

Palmleaf	4
Pitted	4
Purple Moonflower	4
Smallflower	4
Tail	2
Nightshade	
Black	0
Eastern Black	6
Hairy	4
Twined	
Palmer Amaranth	6
Prostrate	6
Redroot	6
Smooth	6
Spiny Amaranth	6
Poorjoe	6
Prickly Sida (Teaweed)	4
Puncturevine	15 in diameter
Ragweed	
Common	5
U. ant	4
Showy Crotalaria	4
Smell. Melon	6
Shrubby	
Prostrate	1 in diameter
Spotted	4
Tail Waterhemp	4
Velvetleaf	4
Vernice Mallow	4
Wild Mustard	6
Wild Poinsettia	4
Wild Sunflower	2
Witchweed	6.8 in prior to bloom

Table 7C.

**COBRA + BLADEX TANK MIX/COBRA + KARMEK TANK MIX
WEEDS CONTROLLED BY COBRA HERBICIDE TANK MIXES
LAYBY - 12 INCHES OR MORE COTTON
12.5 fl. oz.**

Common Name	Maximum Growth Stage
Common Cocklebur	upto 8 inches
Ecklonia	upto 8 inches
Pigweed	
Palmer Amaranth	upto 8 inches
Prostrate	upto 8 inches
Redroot	upto 8 inches
Smooth	upto 8 inches
Spiny Amaranth	upto 8 inches
Spurges	
Prostrate	4 in diameter
Spotted	upto 6 inches
Tail Waterhemp	upto 6 inches

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**DIRECTIONS FOR USE IN
SOUTHERN PINE SEEDBEDS**

GENERAL INFORMATION

COBRA is a selective herbicide for use in southern pine seedbeds when used according to this label.

Pine seedlings will tolerate postemergence treatments when applications are made following complete emergence of the stand. COBRA may be used on the pine species listed in Table A. Tolerant species in the following states:

Alabama	Georgia	Mississippi	South Carolina
Arkansas	Kentucky	Missouri	Tennessee
Delaware	Louisiana	North Carolina	Texas
Florida	Maryland	Oklahoma	Virginia

Occasionally slight needle burn will be observed on the youngest growth following application. New growth will be normal and the seedlings will continue vigorous growth under favorable environmental conditions.

Crop tolerance is greatest if applications are made following complete stand emergence. Some forking and stunting of seedling may result if COBRA is applied to newly emerged seedlings. For maximum crop safety wait until the seedlings have initiated primary shoot growth before applying COBRA.

APPLICATION

Thoroughly mix COBRA with clean water and apply at 30 to 50 PSI in 20 to 40 gals. per acre. Flat fan or hollow cone nozzles are recommended.

Applications made at less than 20 gals. per acre or less than 30 PSI will not provide complete coverage of the weeds and will result in incomplete control. Do not make aerial applications of COBRA to pine seedbeds.

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Table A
COBRA Herbicide - Southern Pine Seedling - Rate and Time of Application Table

Product	Rate	Weeds Controlled	Tolerant Species	Adjuvant
COBRA	6.5 fl. oz./A every 1 week (maximum 4 applications)*	Black Nightshade Carpetweed Common Dayflower Common Purslane Common Ragweed (Loton) Tropic Dogfennel Eclipta	Eastern white pine (pinus strobus) Loblolly Pine (pinus taeda) Sand Pine (pinus clausa) Shortleaf Pine (pinus echinata) Slash Pine (pinus Elliottii) Virginia Pine (pinus virginiana)	1/2 pt./A crop oil concentrate** or 1 qt./A non-ionic surfactant per 100 gals
	1 fl. oz./A every 2 weeks (maximum 2 applications)*	Florida Beggarweed Florida Pusley Hairy Galinsoga Mayweed Morningglory Mustard species Prickly Sida Pigweed species Poinsettia Showy Crotalaria Sicklepod Spurge Prostrate Spotted Witchweed Yellow Woodsorrel		(if increased post-emergent activity is desired)

* Do not apply more than 12.5 fl. oz. per acre within any 2 week period. The total amount of COBRA used per season must not exceed 26 fl. oz. per acre (0.416 active ingredients).

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**The addition of crop oil concentrate to COBRA may cause some needle burn. DO NOT APPLY WITH SPRAY ADJUVANTS UNTIL PRIMARY SHOOT GROWTH HAS BEGUN.

APPENDIX

The following are scientific names for the weeds listed on this label:

Common Name	Scientific Name
Balloonvine	Cardiospermum halicacabum
Barnyardgrass	Echinochloa crus-galli
Beggarticks	Bidens frondosa
Bermudagrass	Cynodon dactylon
Bristly Starbur	Acanthospermum hispidum
Broadleaf Signalgrass	Brachiaria platyphylla
Buffalobur	Solanum rostratum
Burcucumber	Sicyos angulatus
Canada Thistle	Cirsium arvense
Carpetweed	Mollugo verticillata
Coffee Senna	Cassia occidentalis
Common Cocklebur	Xanthium strumarium
Common Lambsquarters	Chenopodium album
Common Purslane	Portulaca oleracea
Copperleaf	Acalypha ostryfolia
Hophornbeam	Acalypha virginica
Virginia	
Crabgrass	
Large	Digitaria sanguinalis
Smooth	Digitaria ischaemum
Southern	Digitaria ciliaris
Tropical	Digitaria bicornis
Croton	
Tropic	Urtica glandulosa
Woolly	Cotton capitatus
Crowfootgrass	Dactyloctenium aegyptium
Dayflower	Commelina spp
Devilsclaw	Proboscidea louisianica
Dogfennel	Eupatorium capillifolium

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APPENDIX (continued)

Common Name	Scientific Name
Downy Brome	Bromus tectorum
Eclipta	Eclipta prostrata
Fall Panicum	Panicum dichotomiflorum
Field Sandbur	Cenchrus incertus
Florida Beggarweed	Desmodium illinoense
Florida Pusley	Richardia scabra
Goatsuckers	
Bristly	Setaria verticillata
Giant	Setaria faberii
Green	Setaria viridis
Robust Purple	Setaria viridis
Yellow	Setaria glauca
Galinsoga	Galinsoga spp
Goosegrass	Elymus indica
Groundcherry	
Cutleaf	Physalis angulata
Lanceleaf	Physalis lanceolata
Hairy Galinsoga	Galinsoga ciliata
Hemp Sesbania	Sesbania exaltata
Italian Ryegrass	Lolium multiflorum
Itchgrass	Pottolonia exaltata
Jimsonweed	Datura stramonium
Johnsongrass	
Rhizome	Sorghum halepense
Seedlings	Sorghum halepense
Junglerice	Echinochloa colonum
Kochia	Kochia scoparia
Mayweed	Anthemis cotula
Mexicanweed	Caperonia castanifolia
Milkweeds	
Climbing	Sarcostemma cynanchoides
Common	Asclepias syriaca

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APPENDIX (continued)

Common Name	Scientific Name
Morningglories	
Bigroot (Wild Sweet Potato)	Ipomoea pandurata
Cypressvine	Ipomoea quamoclit
Entireleaf	Ipomoea hederacea var. integrifolia
Ivyleaf	Ipomoea hederacea
Palmleaf	Ipomoea wrightii
Pitted	Ipomoea lacunosa
Purple Moonflower	Ipomoea turbinata
Smallflower	Jacquemontia tamnifolia
Tall	Ipomoea purpurea
Nightshades	
Black	Solanum nigrum
Eastern Black	Solanum elaeagnifolium
Hairy	Solanum elaeagnifolium
Pennsylvania Smartweed	Polygonum pennsylvanicum
Pigweeds	
Palmer Amaranth	Amaranthus palmeri
Prostrate	Amaranthus blitoides
Redroot	Amaranthus retroflexus
Smooth	Amaranthus hybridus
Spiny Amaranth	Amaranthus spinosus
Poinsettia	Diodia teres
Prickly Sida (Teaweed)	Sida spinosa
Puncturevine	Tribulus terrestris
Quackgrass	Agropyron repens
Ragweeds	
Common	Ambrosia artemisiifolia
Giant	Ambrosia trifida
Red Rice	Oryza sativa
Redvine	Brunnicha ovata
Shattercane	Sorghum bicolor
Showy Crotalaria	Crotalaria spectabilis
Sicklepod	Cassia obtusifolia

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APPENDIX (continued)

Common Name	Scientific Name
Smell Melon	Cucumis melo
Sorghum Alcorn	Sorghum alcorni
Southern Cupgrass	Echinochloa gracilis
Southern Sandbur	Cenchrus echinatus
Sprangletop	Leptochloa spp
Spurge	
Prostrate	Euphorbia humistrata
Spotted	Euphorbia maculata
Spurred Anoda	Anoda cristata
Swamp Smartweed	Polygonum coquimbense
Sunflower	Helianthus spp
Tail Waterhemp	Amaranthus tuberculatus
Texas Panicum	Panicum texanum
Trumpet creeper	Campsis radicans
Velvetleaf	Abutilon theophrasti
Vernice Mallow	Hibiscus trionum
Volunteer Cereals	
Barley	Hordeum vulgare
Corn	Zea mays
Milo	Sorghum bicolor
Oats	Avena sativa
Rye	Secale cereale
Wheat	Triticum aestivum
Wild Mustard	Sinapis arvensis
Wild Oats	Avena fatua
Wild Poinsettia	Euphorbia heterophylla
Wild Proso Millet	Panicum miliaceum
Wild Sunflower	Helianthus annuus
Wirestem Muhly	Muhlenbergia frondosa
Witchgrass	Panicum capillare
Witchweed	Striga asiatica
Woolly Cupgrass	Echinochloa villosa
Yellow Woodsorrel	Oxalis stricta

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STORAGE AND DISPOSAL

PROHIBITIONS

Do not contaminate water, food, or feed by storage, disposal or cleaning of equipment.

STORAGE

Store in cool, dry place.

Keep pesticide in original container.

Do not put concentrate or dilute into food or drink containers.

Not for use or storage in or around the home.

For help with any spill, leak, fire or exposure involving this material, call day or night 1-800-457-2022, or Chemtrec 1-800-424-9300.

PESTICIDE DISPOSAL

This product is acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL

Triple rinse (or equivalent). Do not reuse container. Offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

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IMPORTANT INFORMATION. READ BEFORE USING PRODUCT.

LIMITED WARRANTY: 1 Valent U.S.A. Corporation warrants that this product conforms to the chemical description on the label and is reasonably fit for use under average conditions when used strictly in accordance with the directions on the labeling. Valent does not make nor authorizes any agent or representative to make, any other warranty, guarantee or representation, express or implied, concerning this product. Specifically, NO IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE IS MADE.

2 Critical and unforeseeable factors beyond Valent's control prevent it from eliminating all risks in connection with the use of this product. Such risks include, but are not limited to, damage to plants and crops to which product is applied, lack of complete control over the handling and application of this product, and damage caused by drift to other plants or crops. Such risks occur even though the product is reasonably fit under average conditions for the uses stated on the labeling and even though label directions are followed. Buyer and user acknowledge and assume all risks and liability (except those assumed by Valent under 1 above) resulting from handling, storage, and use of the product.

3 Precautions stated on the labeling should be followed to avoid hazardous exposure to the product.

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PURSUIT PLUS® — Reg. TM of American Cyanamid Co. for imazethapyr plus pendimethalin herbicides.
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