



59639-34

182/14



COBRA
HERBICIDE

Active ingredient: 2,4-D (as salt) 73.2%
Inert ingredients: 26.8%
1 (carboethoxy) ethyl 5 (2-chloro 4 (trifluoromethyl) phenoxy) 2-nitrobenzoate
Contains 2 lbs active ingredient per gallon

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

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail).

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. Avoid breathing vapor or spray mist. 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 1-800-892-0099.

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.

PERSONAL PROTECTIVE EQUIPMENT (PPE):

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category G on an EPA chemical resistance category selection chart.

Applicators and other handlers must wear: coveralls over long-sleeved shirt and long pants, chemical-resistant gloves, such as Barrier Laminate or Viton $\geq$ 14 mils, chemical-resistant footwear plus socks, protective eyewear, chemical-resistant headgear for overhead exposure, and chemical-resistant apron when cleaning equipment mixing, or loading.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

USER SAFETY RECOMMENDATIONS:

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

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.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 12 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is: covers over long-sleeved shirt and long pants, chemical-resistant gloves, such as Barrier laminate or Viton $\geq$ 14 mils, chemical-resistant footwear plus socks, protective eyewear, and chemical-resistant headgear for overhead exposure.

TABLE OF CONTENTS

DIRECTIONS FOR USE IN SOYBEANS	Page Number
General Use Information	7
Application:	
Timing	7
Conventional Row	
Drilled/Solid Seeded	
Ground	8
Broadcast	8
Band	9
Low Volume Ground Application	9
SPRA-COUPÉ and HAGLE	9
Aerial	10
Adjuvant and Additives	11
Recommendations	Table 1S
Mixing Instructions	13
Weeds Controlled by COBRA Herbicide	Table 2S
Weeds Suppressed by COBRA Herbicide	Table 3S
Perennial Weeds Suppressed by COBRA Herbicide	Table 4S
Tall Weeds Suppressed by COBRA Herbicide	Table 5S
Tank Mix with BASAGRAN Herbicide	Table 6S
General Use Information	17
Weeds Controlled by Tank Mix	18-19
Mixing Instructions and Use Restrictions	20
Tank Mix with CLASSIC Herbicide	Table 7S
General Use Information	20
Weeds Controlled by Tank Mix	21-22
Mixing Instructions and Use Restrictions	23
Tank Mix with 2,4-DB Herbicide	Table 8S
General Use Information	23
Weeds Controlled by Tank Mix	24
Mixing Instructions and Use Restrictions	24-25
Tank Mix with PINNACLE Herbicide	Table 9S
General Use Information	25
Weeds Controlled by Tank Mix	26
Mixing Instructions and Use Restrictions	27
Tank Mix with PURSUIT Herbicide	Table 10S
General Use Information	27
Weeds Controlled by Tank Mix	28-29
Weeds Controlled by Low Rate Tank Mix	Table 10 1S
For the states of Indiana, Kentucky, Ohio and Michigan	
Mixing Instructions and Use Restrictions	30
Tank Mix with SCEPTER Herbicide	Table 11S
General Use Information	31
Weeds Controlled by Tank Mix	31
Mixing Instructions and Use Restrictions	32

TABLE OF CONTENTS (continued)		Page Number
7	Tank Mix with ASSURE/ASSURE II Herbicide	Table 12S
	General Use Information	32
	Tank Mix Application Area	32
	Weeds Controlled by Tank Mix	33
	Sequential Application	33
	Mixing Instructions and Use Restrictions	34
	Tank Mix with FUSILADE 2000 Herbicide	Table 13S
	General Use Information	35
	Tank Mix Application Area	35
	Weeds Controlled by Tank Mix	35
	Sequential Application	35 36
	Mixing Instructions and Use Restrictions	36
	Tank Mix with SELECT 2ET Herbicide	Table 14S
	General Use Information	37
	Tank Mix Application Area	37
	Weeds Controlled by Tank Mix	37
	Sequential Application	37
	Mixing Instructions and Use Restrictions	38
	Tank Mix With OPTION Herbicide	Table 15S
	General Use Information	39
	Tank Mix Application Area	39
	Weeds Controlled by Tank Mix	39
	Sequential Application	39 40
	Mixing Instructions and Use Restrictions	40
9	Sequential Following COMMAND 4 EC	
	General Use Information	40 41
	COMMAND 4 EC Northern	
	Use Area Geographical Restrictions	41
	Application Precautions	41-42
	Sequential Weed Control	Table 16S
	Rotational Guidelines and Use Restrictions	43
	COMMAND 4 EC Southern	
	Use Area Geographical Restrictions	44
	Application Precautions	45
	Sequential Weed Control	Table 17S
	Rotational Guidelines and Use Restrictions	47-48
11	Sequential Following PURSUIT PLUS 3 AS	
	General Use Information	48
	Sequential Weeds Controlled by COBRA	Table 18S
	Use Restrictions	49
12	Sequential Following FASSET 2.6 AS Herbicide	
	General Use Information	50
	Sequential Weeds Controlled	Table 19S
	Use Restrictions	51

TABLE OF CONTENTS (continued)		Page Number
POST DIRECTED APPLICATION IN COTTON		
	General Information	51 52
	Precautions	52
	Cotton Tolerance	52
	Timing	53
	Directed Band Application	54
	Sprayer Calibration	54
	Cultivation	55
	Application Rates	55
	Directed Postemergence and Layby	
	COBRA Applied Alone	Table 1C
	Adjuvants	55 56
	Recommendations	Table 2C
	Tank Mix with COBRA + BLADEX	
	General Use Information	56 57
	BLADEX 90DF, 80W, 4L	
	Mixing Instructions	Table 3C
	Tank Mix with COBRA + KARMEX 80W	
	General Use Information	57 58
	Mixing Instructions	Table 4C
	Tank Mix with COBRA + MSMA	
	General Use Information	58 59
	Mixing Instructions	Table 5C
	Weeds Controlled by COBRA Herbicide	
	and COBRA + MSMA Tank Mix	
	Postemergence 6"-8" Cotton and	
	Layby - 12" or More Cotton	Table 6C
	COBRA + BLADEX Tank Mix/COBRA + KARMEX Tank Mix	
	Weeds Controlled by COBRA Herbicide	
	Tank Mixes Layby-12" or More Cotton	Table 7C
	DIRECTIONS FOR USE IN SOUTHERN PINE SEEDLINGS	
	General Use Information	63
	Application Timing	63
	Weeds Controlled	Table A
	Appendix	65 68
	Storage and Disposal	69
	Warranty	70

Emergency Telephone Number 1-800-892-0099, or Chemtrec
1-800-424-9300.

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 equipment is required. Refer to the label section on ADJUVANTS AND 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 preemergence 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 spray contacting 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, bronzing 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 conditions soybean yields will not be affected. Under conditions of normal weed growth COBRA is rainfast 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 feed treated soybean silage (ensiled soybeans) to cattle. 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,

7

occurs 14 to 21 days after planting or last field preparation. Weeds 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 coverage 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 preparing 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 800S (or equivalent) because they do not break up spray patterns into

8

small enough droplets to provide adequate weed coverage for lower 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 800S
- 4 - Spray rigs which utilize wheel driven pumps

BAND APPLICATION

Flow bending 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

SPRAY-COPE™, NABEE™

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.

9

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.

11

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*			
1AL, DE, FL, GA, MD, NC, PA, SC, VA)	1/4 to 1/2 pt	1/2 pt	1 pt
(ALL OTHER STATES)	1/2 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 morning glory species.

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

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

12

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 800S (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 3 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 60 PSI. Applications at less than 5 gals. per acre will provide inadequate control. The higher gallons applications generally afford more consistent weed control.

Nozzle and Nozzle Orientation: Use nozzles which produce flat or hollow cone spray patterns. Use non-chip 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 degrees 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.

10

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
Baldwinia	4
Beggaricks	6
Bristly Starbur	4
Butelobur	4
Burcucumber	4
Carpetweed	8 in diameter
Common Cocklebur	6
Common Purslane	8 in diameter
Copperleaf	6
Hopbush	4
Virginia	4
Croton	4
Tropic	4
Woolly	4

13

Table 2S (continued)

Common Name	Maximum Leaf Stages
Devilclaw	4
Eclipta	6
Florida Beggarweed	6
Florida Pusley	6
Groundcherry	6
Cutleaf	8
Lanceleaf	6
Henry Galinsoga	4
Hemp Sesbania	6
Jimsonweed	4
Mexicanweed	4
Morningglories	4
Cypressvine	4
Entoleaf*	2
Ivyleaf*	2
Palmleaf*	4
Pitted*	4
Purple Moonflower*	4
Smallflower*	4
Tall*	4
Nightshades	6
Black	6
Eastern Black	6
Henry	4
Pigweeds	6
Palmer Amaranth	6
Prostrate	6
Redroot	6
Smooth	6
Spiny Amaranth	6
Poorjoe	6
Prickly Side (Teaweed)	4
Puncturevine	15 in diameter

14

Table 2S (continued)

Common Name	Maximum Leaf Stages
Ragweeds	6
Common	4
Giant	4
Shiny Crotalaria	4
Small Melon	6
Spurge	1 in diameter
Prostrate	4
Scorched	4
Tall Waterhemp	4
Velvetleaf*	4
Vernice Malow	4
Wild Mustard	6
Wild Pansy	4
Wild Sunflower*	2
Witchweed	6 in prostrate 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 AM MONIUM 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.

15

Table 3S

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	15-36
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 90 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.

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
plus BASAGRAN			
BASAGRAN 1 pt. / A		Black Nightshade	6 4 2
		Common Cocklebur	6 4 4
		Common	4 4 4
		Carpetweed	4 4 4
		Pigweed	6 4 4
		Smooth	6 4 4
		Redroot	6 4 4
		Smartweed	4 4 4
		Tall Waterhemp	6 4 4
		Velvetleaf*	6 4 4
		Wild Sunflower	1 4 4

18

29

be expected when these weeds are treated with COBRA. The use of a crop oil concentrate at 1 pt. / 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	6
Climbing	6
Common	6
Morningglory	6
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.

16

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	15-36
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 90 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.

17

30

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	6oz 6oz 6oz	
		Refer to BASAGRAN Label for other weeds claimed		
or				
	COBRA RATE/A	10oz.	8oz.	6oz.
		Maximum Leaf Stage		
BASAGRAN 2 pt /A	Common Cocklebur	10	10	10
	Common Lambsquarter	8	8	8
	Pennsylvania Smartweed	10	10	10
	Pigweed	6	4	C**
	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 1/4 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.

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 11 oz /A	Refer to Table 2S for weeds controlled at 12.5 fl oz /A	2 pts. non ionic surfactant per 100 gals. water. Surfactant must have at least 80% active ingredient.
35			
Do Not use crop oil concentrate or vegetable oil			
or			
	COBRA RATE/A	10oz 8oz 6oz	Maximum Leaf Stage
plus CLASSIC			
CLASSIC 38 oz /A	Black Nightshade	8 4 2	
	Common Cocklebur	8 6 C**	
	Common Ragweed	6 4 C**	
	Florida Beggar weed	6 2 C**	
	Florida Pusley	6 6 C**	
	Pennsylvania Smartweed	4 2 C**	
	Pigweed	6 4 C**	
	Smooth Redroot	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**
or			
	COBRA RATE/A	Max. 10oz	8oz 6oz
		Maximum Leaf Stage	
CLASSIC 5oz /A	Black Nightshade	6	4 2
	Cocklebur's	6	4 C**
	Hornbeam	6	4 C**
	Virginia	4	2 C**
	Prickly Side Sage	4	2 C**
	Common	6	6 4
	Grass	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 1/4 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 re-cropping interval and rotational guidelines.

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

Use only the emulsion 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.
37			
Surfactant must have at least 80% active ingredient.			
Do Not Use crop oil concentrate or vegetable oil			
or			
	plus	plus	Maximum leaf stage
2,4-DB	2oz /A	Morningglories Sicklepod	6 2

MIXING INSTRUCTIONS

Add 1/4 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.

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 on 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.

25

Table 25.
COBRA Herbicide & PINNACLE Herbicide Tank Mix: Soybeans: Rate and Time of Application Table.

Product	Product Rate	Weeds Controlled/ Leaf Stage	Adjuvant
COBRA	8 to 8 R or 1 A		125% V/V non-ionic surfactant or 125% V/V non-ionic surfactant plus 4% V/V liquid nitrogen fertilizer 28% or 32%
COBRA RATE/A			8 oz. 6 oz.
plus PINNACLE			Maximum Leaf Stage
PINNACLE	0.25 oz/A	Black Nightshade Common Cocklebur Copperleaf Hophornbeam Virginia Prickly Sida Ragweed Common Giant	4 2 6 4 4 C** 2 C** 2 C** 8 4 2 C**

**C is the cotyledon leaf stage

26

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 1/4 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.

Do not apply COBRA plus PINNACLE tank mix by air.

38

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.

27

Table 26.
COBRA Herbicide & PURSUIT Herbicide Tank Mix: Soybeans: Rate and Time of Application Table.

Product	Product Rate	Weeds Controlled/ Leaf Stage	Adjuvant
COBRA	8 to 12.5 R or 1 A	Refer to Table 25 for weeds controlled at 12.5 R or 1 A	0.75% V/V non-ionic surfactant or 0.75% 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™
COBRA RATE/A			8 oz. 6 oz. 6 oz.
plus PURSUIT			Maximum Leaf Stage
PURSUIT	4 oz/A	Common Lambquarter Copperleaf Hophornbeam Virginia Prickly Sida Ragweed Common Giant	4 4 2 6 4 C** 4 2 C** 4 2 C** 8 8 4 4 4 4

28

Table 26. (continued)
COBRA Herbicide & PURSUIT Herbicide Tank Mix: Soybeans: Rate and Time of Application Table.

Product	Product Rate	Weeds Controlled/ Leaf Stage	Adjuvant
COBRA RATE/A			10 oz. 8 oz. 6 oz.
plus PURSUIT			Maximum Leaf Stage
PURSUIT	4 oz/A	Tall Waterhemp	6 4 4

Refer to PURSUIT Label for weeds claimed

**C is the cotyledon leaf stage

Table 26.15.
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/ Leaf Stage	Adjuvant
COBRA	4 R or 1 A	Common Ragweed 4 leaf	0.75% V/V non-ionic surfactant or 0.75% 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™

39

Table 26.15. (continued)
COBRA Herbicide & PURSUIT Herbicide Tank Mix: Soybeans: Rate and Time of Application Table.

Product	Product Rate	Weeds Controlled/ Leaf Stage	Adjuvant
COBRA RATE/A			10 oz. 8 oz. 6 oz.
plus PURSUIT			Maximum Leaf Stage
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 1/4 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.

30

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

31

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 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/ASSURE II HERBICIDE FOR CONTROL OF BROADLEAF AND GRASS WEEDS IN SOYBEANS GENERAL INFORMATION

For best results the COBRA plus ASSURE/ASSURE II 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/ASSURE II Herbicide label for defined application areas and area rates. COBRA Herbicide does not have application area restrictions.

32

**Table 12S.
COBRA Herbicide & ASSURE/ASSURE II 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	0.5% V/V Crop Oil Concentrate/A
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 increased by 2 oz. product/A when grasses are at maximum size.

SEQUENTIAL APPLICATION WITH COBRA HERBICIDE AND ASSURE/ASSURE II

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

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

33

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 ASSURE/ASSURE II Tank Mix: Add 1/2 of the required water to the spray tank and begin agitation. Add the required amount of ASSURE/ASSURE II 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 Herbicide Plus ASSURE/ASSURE II 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/ASSURE II tank mix less than 30 days before harvesting soybeans.
3. Do not graze treated fields or harvest for forage hay.
4. Do not apply the COBRA plus ASSURE/ASSURE II 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/ASSURE II 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/ASSURE II as control may be unsatisfactory.
8. Do not apply ASSURE/ASSURE II 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/ASSURE II.
9. Do not apply after pod set.

34

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	0.5% V/V Crop Oil Concentrate/A
plus FUSILADE			

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

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.

35

- 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 and the remaining water.

Use Restrictions for COBRA Plus FUSILADE 2000 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 FUSILADE 2000 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 FUSILADE 2000 tank mix if rain is expected within 1 hour of application or unsatisfactory weed control may result.
5. Make the last FUSILADE 2000 application to soybeans before bloom.
6. Do not plant rotational grass crops such as corn, sorghum, and cereals within 60 days of last application of FUSILADE 2000.
7. Avoid drift to all other crops and non-target areas. Grass crops are highly susceptible to FUSILADE 2000 Herbicide.

36

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

For best results the COBRA plus SELECT 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 SELECT Herbicide label for defined application areas and application rates. COBRA Herbicide does not have application area restrictions.

**Table 14S
COBRA Herbicide & SELECT 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	0.5% V/V Crop Oil Concentrate/A
plus SELECT			

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

* If regrowth of grasses occur make a second application of SELECT ZEC Herbicide timed to grass weed size noted on the SELECT ZEC Herbicide label.

SEQUENTIAL APPLICATION WITH COBRA HERBICIDE AND SELECT

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

37

- After an application of SELECT wait a minimum of 24 hours before applying COBRA Herbicide.
- In fields treated with COBRA Herbicide, do not apply SELECT until grass plants are again developing new leaves (generally 7 days after the COBRA Herbicide application).
- Refer to the SELECT 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 SELECT Tank Mix: Add 1/2 of the required water to the spray tank and begin agitation. Add the required amount of SELECT 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 Herbicide Plus SELECT 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 SELECT 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 SELECT tank mix if rain is expected within 1 hour of application or unsatisfactory weed control may result.
5. Do not apply COBRA plus SELECT to plants stressed due to insufficient moisture. Weeds under this condition frequently become less sensitive to herbicide activity.
6. Do not cultivate within 7 days before or 7 days after an application of SELECT as control may be unsatisfactory.
7. Do not apply COBRA plus SELECT when environmental conditions are such that drift to other crops and non target areas is possible.

38

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 weed 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 application rates. COBRA Herbicide does not have application area restrictions.

**Table 15S
COBRA Herbicide & OPTION 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	0.5% V/V Crop Oil Concentrate/A
plus OPTION			

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

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).

39

Refer to the OPTION 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 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 1 hour of application or unsatisfactory weed control may result.

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

COMMAND 4 EC may be utilized as a preemergence soil applied (see geographical restrictions for 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

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, relational 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. Refer to application statement for

areas must be checked and spraying within 1,500 ft of desirable plants is prohibited.
Except Sweet Corn.

Table 16S

**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 4 EC	1.5 fl oz /A	GRASSES Barnyardgrass Common Panicum Crabgrass Large Smooth Fall Panicum Field and Barn Rustgrass Plant Green Robust Purple Yellow Gonagrass Johnsongrass Smutgrass Texas Panicum	

BROADLEAVES

Common Lamb's-ear
Galinsoga
Jimsonweed
Pennsylvania Smartweed
Purslane
Ragweed
Rumex

42

Table 16S (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 4	1.5 pts /A	BROADLEAVES Spurred Anoda Velvetleaf Venice Mallow	
		post-emerge	
COBRA	10 fl oz /A	Burcucumber Common Cocklebur Hemp Sesbania Jimsonweed Morningglory** Ivyleaf Pitted Tall Mustard spp Nightshade spp Pigweed (all Am.) Ranthus species including Tall Waterhemp Ragweed Common Giant Sunflower	Maximum leaf stage 4 4 4 4 2 2 2 6 4 4 6 4 6 2
		post-emerge	Refer to Table 1S
COBRA	12.5 fl oz /A	Refer to Table 2S	

44

43

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

**Partially controlled.

ROTATIONAL GUIDELINES - NORTHERN USE AREA
Rotate to crops as listed below (following 1.5 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, 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 30 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, Mississippi, Florida, Georgia, North Carolina, South Carolina, Tennessee, Texas.
* Beaufort, Butler, Dunklin, Mississippi, New Madrid, Pemis, St. Louis, Scott and Stoddard.

44

44

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 17S.

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 4	2.0 pts /A	GRASSES Barnyardgrass Bermudagrass Broadleaf Signalgrass Common Panicum Crabgrass Large Smooth Fall Panicum Field Sandbur Foxtail Giant Green Goosegrass Itchgrass** Johnsongrass Seedling	

44

45

Table 17S (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 4	2.0 pts /A	GRASSES Red Rice* Southwestern Cupgrass Texas Panicum Woolly Cupgrass BROADLEAVES Common Lambquarter Croton Tropic Ryegrass Florida Pusley In. Spurge Kochia Pennsylvania Smartweed** Prickly Sida Purslane Ragweed Common Redvine Redweed Spurred Anoda Velvetleaf Venice Mallow Wild Poinsettia**	
		post-emerge	
COBRA	12.5 fl oz /A	Refer to Table 2S	

44

46

Table 17S (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
COBRA	10 fl oz /A	Balloonvine Burcucumber Common Cocklebur Hemp Sesbania Morningglory Ivyleaf* Pitted* Tall* Mustard spp Nightshade spp Pennsylvania Smartweed** Spurred spp (all) Ragweed Giant Sunflower Wild Poinsettia	Maximum leaf stage 4 4 4 4 2 2 2 2 6 4 4 2 6 6 2 2
		post-emerge	Refer to Table 1S
COBRA	12.5 fl oz /A	Refer to Table 2S	

44

47

9 MONTHS Corn (Field, Pop, Seed, Sweet), Cotton, Cucurbits, Dry Beans, 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 30 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 preemergence soil applied or preplant incorporated treatment for control of annual grass and broad leaf 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 with other preemergence 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 (initially 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.

45

48

46
Table 185.
PURSUIT PLUS Herbicide and COBRA Herbicide Sequential - Soybeans - Rate and Time of Application Table.

Product	Product Rate	Weeds Controlled/ Weed Size	Adjuvant
PURSUIT PLUS	2.5 oz / 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
COBRA RATE/A			
Weed Size			
Maximum Leaf Stage			
Common Cocklebur			
Common Ragweed			

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 30 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.

49

leaves of the cotton plant and the top of the broadleaf weeds. COBRA Herbicide may also be applied as a layby application 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 1- to 4-leaf broadleaf weeds, a tank mix of COBRA Herbicide with BLADEX, KARMEX, 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.

PRELIMINARY

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.

47
PASSPORT Herbicide Followed by
Reduced Rates of COBRA Herbicide
GENERAL INFORMATION

PASSPORT Herbicide must be a preplant incorporated treatment for control of annual grass and broadleaf weeds in soybeans. Following an application of PASSPORT Herbicide, 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 4 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 185.
PASSPORT Herbicide and COBRA Herbicide Sequential - Soybeans - Rate and Time of Application Table.

Product	Product Rate	Weeds Controlled/ Weed Size	Adjuvant
PASSPORT Herbicide	Rate 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

50

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, KARMEX, or MSMA is required. Nozzles should be set to spray no higher than the bottom 1/4 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.

11/9/14
Table 185. (continued)

Product	Product Rate	Weeds Controlled/ Weed Size	Adjuvant
COBRA RATE/A			
Weed Size			
Maximum Leaf Stage			
Common Cocklebur			
Common Ragweed			

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 30 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

51

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 filters 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 area.

Band Width (inches) x Broadcast Rate = Amount of Herbicide
Row Width (inches) Row Area Needed per Field Area

Band Width (inches) x Broadcast Volume = Amount of Water
Row Width (inches) Row Area Needed per Field Area

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 5" or More OR Layby: COTTON 12" or More COBRA HERBICIDE

Application Timing	Broadcast Rate/Acre	Comments
Post-Directed: COTTON 5" or more OR Layby: COTTON 12" or more	12.5 fl. oz.	Reduce broadcast rate in proportion to band area actually treated (See SPRAYER CALIBRATION)

ADJUVANTS

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

55

For Post-directed application of COBRA to cotton at least 8" 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 5" 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

56

to 1.0 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 900	12.5 fl. oz. 66 to 111 lbs (10.5 to 17.5 oz.)	Reduce broadcast rate in proportion to the band area actually treated (See SPRAYER CALIBRATION)
	OR 80W	.75 to 1.25 lbs (12 to 20 oz.)	
OR	4L	7 to 1 qt (22 to 32 fl. oz.)	

COBRA plus KARMEX® - Apply a tank mix combination of COBRA Herbicide plus KARMEX 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 KARMEX 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

57

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 + KARMEX 80W TANK MIX APPLICATION RATES

Application Timing	Product/Formulation	Broadcast Rate/Acre	Comments
Layby: COTTON 12" or more	COBRA + KARMEX 80W	12.5 fl. oz. 5 to 7.5 lbs (8 to 12 oz.)	Reduce broadcast rate in proportion to the band area actually treated (See SPRAYER CALIBRATION)

COBRA plus MSMA - (COTTON 5" 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 edifier, 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 larger weeds.

COBRA plus MSMA - (COTTON 12" or more)

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

58

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 edifier, surfactant and provide enough wetting action to enhance COBRA activity, the use of a crop oil concentrate at .5 to 1 pt. per acre (broadcast basis) may further enhance control of larger weeds.

Table 5C

COBRA + MSMA TANK MIX Post-Directed: COTTON 5" or More OR Layby: COTTON 12" or More APPLICATION RATES

Application Timing	Product/Formulation	Broadcast Rate/Acre	Comments
Post-Directed: COTTON 5" or more	COBRA + MSMA	12.5 fl. oz. 4 lbs. / gal. (64 oz.)	Reduce broadcast rate in proportion to the band area actually treated (See SPRAYER CALIBRATION)
	OR 6.6 lbs. / gal.	2.4 pts. (38.4 oz.)	

59

Table 6C

WEEDS CONTROLLED BY COBRA and COBRA + MSMA TANK MIX Cotton 5" 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
Woolly	4
Devilsclaw	4
Eclipta	6
Florida Beggardweed	7
Florida Pusley	6
Groundcherry	
Cutleaf	6
Canoeleaf	6
Harry Gahnsoga	4
Henry Sesbania	6
Jimsonweed	4
Mexicanweed	4
Morningglory	
Cypressvine	4
Entireleaf	7
Ivyleaf	7

60

Table 6C (continued)
Common Name

Common Name	Maximum Leaf Stage
Palmleaf	4
Pitted	4
Purple Moonflower	4
Smallflower	4
Tall	2
Nightshade	
Black	6
Eastern Black	6
Hairy	4
Pigweed	
Palmer Amaranth	6
Prostrate	6
Redroot	6
Smooth	6
Spiny Amaranth	6
Poorjoe	4
Prickly Sida (Teaweed)	4
Puncturevine	15 in diameter
Ragweed	
Common	6
Giant	4
Showy Crotalaria	4
Small Melon	6
Surge	
Prostrate	1 in diameter
Spotted	4
Tall Waterhemp	4
Vehetleaf	4
Vernice Mallow	4
Wild Mustard	6
Wild Poinsettia	4
Wild Sunflower	2
Witchweed	6 in prior to bloom

61

Table 7C.

COBRA + BLADAX TANK MIX/COBRA + KARMEX TANK MIX
WEEDS CONTROLLED BY COBRA HERBICIDE TANK MIXES
LAYBY - 12 INCHES OR MORE COTTON

Common Name	Maximum Growth Stage
Common Cocklebur	upto 8 inches
Eclipta	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
Spurge	
Prostrate	4 in diameter
Spotted	upto 6 inches
Tall Waterhemp	upto 6 inches

62

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 in pine seedbeds.

63

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 Croton	Eastern White Pine (Pinus strobus) Loblolly Pine (Pinus taeda)	1 qt / A crop oil concn rate**
	or	Tropic Dogfennel	Sand Pine (Pinus clausa)	or
	12.5 fl. oz. / A every 2 weeks (maximum 2 applications)	Eclipta Florida Beggarweed Florida Pusley Hairy Bahiagga Mayweed Morningglory species Mustard species Prickly Sida Pigweed species Poorjoe Showy Crotalaria Sicklepod Sourpea Prostrate Spotted Witchweed Yellow Woodsorrel	Shortleaf Pine (Pinus echinata) Slash Pine (Pinus palustris) Virginia Pine (Pinus virginiana)	1 qt / A non ionic surfactant per 100 gals. 1 lb in creased 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 (0.116 active ingredient).

64

**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
Beggarlicks	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
Copperleafs	
Hophornbeam	Acalypha ostryifolia
Virginia	Acalypha virginica
Goosegrass	
Large	Dactyloctenium aegyptium
Smooth	Dactyloctenium aegyptium
Southern	Digitalis purpurea
Tropical	Digitalis purpurea
Croton	
Tropic	Croton glandulosus
Woolly	Croton capatus
Barnyardgrass	Brachiaria platyphylla
Dayflower	Commelina spp
Devil's claw	Proboscidea louisianica
Dogfennel	Eupatorium capillifolium

APPENDIX (continued)

Common Name	Scientific Name
Barnyardgrass	Brachiaria platyphylla
Eclipta	Eclipta prostrata
Florida Beggarweed	Desmodium illinoense
Florida Pusley	Richardia scabra
Goosegrass	
Large	Dactyloctenium aegyptium
Smooth	Dactyloctenium aegyptium
Southern	Digitalis purpurea
Tropical	Digitalis purpurea
Croton	
Tropic	Croton glandulosus
Woolly	Croton capatus
Barnyardgrass	Brachiaria platyphylla
Dayflower	Commelina spp
Devil's claw	Proboscidea louisianica
Dogfennel	Eupatorium capillifolium
Goosegrass	
Large	Dactyloctenium aegyptium
Smooth	Dactyloctenium aegyptium
Southern	Digitalis purpurea
Tropical	Digitalis purpurea
Croton	
Tropic	Croton glandulosus
Woolly	Croton capatus
Barnyardgrass	Brachiaria platyphylla
Dayflower	Commelina spp
Devil's claw	Proboscidea louisianica
Dogfennel	Eupatorium capillifolium

66

