

Supplemental Label



Valent U.S.A. Corporation
P.O. Box 8025
Walnut Creek, CA 94596-8025

COBRA[®] HERBICIDE

EPA Reg. No. 59639-34

COBRA HERBICIDE FOR USE ON PEANUTS (EXCEPT NEW YORK)

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.

Cobra Herbicide effectively controls a wide spectrum of important broadleaf weeds in peanuts. Weeds can be controlled by applying *Cobra* postemergence to actively growing weeds no larger than sizes indicated in the Table 1.

When *Cobra* is applied postemergence, 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. Factors which reduce the amount of spray solution contacting the soil surface, such as excessive weed foliage, will reduce the level of soil activity.

RESTRICTIONS AND LIMITATIONS

- Do not apply more than 12.5 fl. oz./A (0.20 lb. ai/A) of *Cobra* per application.
- Do not exceed a combined rate of 25 fl. oz./A (0.40 lb. ai/A) of *Cobra* per season.
- Do not make a sequential application of *Cobra* within fourteen (14) days of the first application.
- Do not make more than two (2) *Cobra* applications per season.
- Do not apply *Cobra* to peanuts later than 90 days before harvest.
- Do not allow livestock to graze treated foliage.
- Do not use treated vines for feed or forage.

EARLY POSTEMERGENCE TREATMENT

A single early postemergence treatment of *Cobra* at 12.5 fl. oz. per acre may be made to control emerged broadleaf weeds. Apply after the peanuts have at least 6 true leaves. See Table 1 for weeds controlled and the maximum stage of weed growth for postemergence applications. A second postemergence application of *Cobra* herbicide at 12.5 fl. oz. per acre may be made to control later emerging weeds or weeds escaping the first application as long as they are still within the labeled growth stage.

AERIAL APPLICATION

To obtain satisfactory weed control with aerial application of *Cobra* and *Cobra* tank mixes, except 2,4-DB, 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 gallonage applications generally afford more consistent weed control.

Nozzle and Nozzle Orientation: Use nozzles which produce flat or hollow cone spray patterns. Use non-drip 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% v/v in the spray solution is recommended.

IMPORTANT: In dry conditions, the use of less than 2% v/v of crop oil concentrate or use of an adjuvant other than crop oil concentrate will result in unsatisfactory weed control.

Southern States: In low-lying areas of Southern states which typically experience excessive soil moisture in the spring, the state recommendation for adjuvants may call for either a non-ionic surfactant or reduced rate of crop oil concentrate. Where this situation exists, use the adjuvant recommendations of the state extension service.

ADJUVANT RECOMMENDATIONS FOR POSTEMERGENCE APPLICATION

For control of weeds given in Table 1, either an EPA approved non-ionic surfactant or an EPA approved petroleum or vegetable oil based crop oil concentrate must be used. Since adjuvant recommendations may vary depending on location, please check with your local Valent representative for recommendations. Under ideal growing conditions targeting weeds at the lower end of the height range, non-ionic surfactant at 0.25% v/v (1 qt. per 100 gals. of water) may be used. Under ideal growing conditions targeting weeds at or near the top of the height range, crop oil concentrate at 1 to 2 pts. per acre should be used. Under less than ideal growing conditions only crop oil concentrate is recommended. Applications of *Cobra* with crop oil concentrate to peanuts with less than 6 true leaves may result in unacceptable crop injury.

WEEDS CONTROLLED BY COBRA IN PEANUTS WEED GROWTH STAGES - 12.5 FL. OZ./A

Table 1.

COMMON NAME	MAXIMUM LEAF STAGES	COMMON NAME	MAXIMUM LEAF STAGES
Balloonvine	4	Nightshades	
Beggarticks	6	Black	6
Bristly Starbur	4	Eastern Black	6
Buffalobur	4	Hairy	4
Burcucumber	4	Pigweeds	
Carpetweed	8 in. diameter	Palmer Amaranth	6
Common Cocklebur	6	Prostrate	6
Common Purslane	8 in. diameter	Redroot	6
Copperleaf		Smooth	6
Hophornbeam	6	Spiny Amaranth	6
Virginia	4	Poorjoe	6
Croton		Prickly Sida (Teaweed)	4
Tropic	4	Puncturevine	1.5 in. diameter
Woolly	4	Ragweeds	
Devilsclaw	4	Common	8
Eclipta	6	Giant	6
Florida Beggarweed	2	Showy Crotalaria	4
Florida Pusley	6	Smell Melon	6
Groundcherry		Spurge	
Cutleaf	6	Prostrate	1 in. diameter
Lanceleaf	6	Spotted	4
Hairy Galinsoga	4	Toothed	4
Hemp Sesbania	6	Venice Mallow	4
Jimsonweed	4	Waterhemp	
Kochia	8	Common	6
Lanceleaf Sage	4	Tall	6
Mexicanweed	4	Wild Mustard	6
Morningglories		Wild Poinsettia	4
Cypressvine	4	Wild Sunflower*	2
Entireleaf*	2	Witchweed	6 to 8 in. prior to bloom
Ivyleaf*	2		
Palmleaf*	4		
Pitted*	4		
Purple Moonflower*	4		
Smallflower*	4		
Tall*	4		

*Crop oil concentrate is required at the rate of 0.5% v/v for control.

CROP TOLERANCE

Peanuts with 6 or more emerged true leaves are very tolerant to postemergence *Cobra* applications. Mature peanut leaves treated with *Cobra* will show some brown speckling and bronzing. Growth of the next 2 true leaves may show some cupping or crinkling of the leaf margins. Subsequent growth will be normal and peanuts quickly outgrow this temporary condition.

If peanuts are treated at the 2 to 4 leaf stage, growth will be temporarily delayed. This period of growth reduction may be prolonged if the application is made during periods when the peanuts are under stress or under conditions that do not promote active growth. These conditions may include periods of drought, excess soil moisture, unusually cold temperatures or injury from preemergence herbicides. Peanuts quickly outgrow this temporary condition under good growing conditions.

RAINFALL OR OVERHEAD IRRIGATION

Under conditions of normal weed and peanut growth, *Cobra* may be applied up to 30 minutes before rainfall or overhead irrigation without reduced weed control effectiveness. Do not apply *Cobra* if rainfall is expected within 30 minutes. This rainfall period may be longer when *Cobra* is tank mixed with other products and/or when weeds are under stress at the time of application.

EQUIPMENT RECOMMENDATIONS FOR APPLICATION

Cobra can be applied using standard commercial ground spraying equipment. Use standard high-pressure pesticide flat fan or hollow-cone nozzles spaced up to 20 inches apart. Do not use flood, whirl chamber or controlled droplet applicator nozzles as erratic coverage can cause inconsistent weed control.

Use 10 to 20 gals. of spray solution per broadcast acre for optimum performance. Increase water volume up to 50 gals. if crop or weed foliage is dense. Apply using a minimum spray pressure of 40 to 60 psi as measured at the boom. Weeds must be thoroughly covered with spray for satisfactory control. Always use an adequate volume of spray solution to ensure thorough coverage. Dense leaf canopies shield smaller weeds and can prevent adequate coverage.

When row banding equipment is used, it should be adjusted to provide maximum coverage of weeds in the row. Thorough coverage of weeds in the row is best achieved when 2 nozzles are directed from either side of the crop row toward the weeds in the middle. The recommended minimum band width is 15 inches with a minimum spray volume of 15 gals. per acre on the band. Band application using a single nozzle over the row is not recommended.

TANK MIX PARTNERS FOR USE IN PEANUTS

The following herbicide products may be tank mixed with *Cobra* bicide for postemergence use in peanuts.

Table 2.

Basagran®	Cadre®	Pursuit®
Select® 2 EC	2,4-DB*	

*Use only 2,4-DB formulations approved for postemergence use in peanuts. Do not add crop oil concentrate to this mixture, use only non-ionic surfactant at 0.125% v/v. Follow all 2,4-DB label restrictions relative to drift onto sensitive crops.

Physical incompatibility, reduced weed control or crop injury may result from mixing *Cobra* with other pesticide products (fungicides, herbicides, insecticides, miticides), additives or fertilizers. Valent does not recommend using tank mixes other than those listed on this or other Valent labeling.

MIXING INSTRUCTIONS

Before mixing components, always perform a compatibility jar test. Add components in the sequence indicated below. Always start with a thoroughly clean sprayer tank three-quarters full of clean water with agitation running. Maintain agitation throughout mixing.

Begin by adding products in water soluble bags (allow to fully dissolve), followed by water dispersible granular or powder products (allow to fully dissolve), water soluble products, emulsifiable concentrates such as *Cobra* (allow to fully mix), water soluble additives, then the remaining quantity of water.

THIS LABELING MUST BE IN THE POSSESSION OF THE USER AT THE TIME OF PESTICIDE APPLICATION. READ THE LABEL AFFIXED TO THE CONTAINER FOR COBRA HERBICIDE BEFORE APPLYING. USE OF COBRA HERBICIDE ACCORDING TO THIS SUPPLEMENTAL LABELING IS SUBJECT TO THE USE PRECAUTIONS AND LIMITATIONS IMPOSED BY THE LABEL AFFIXED TO THE CONTAINER FOR COBRA HERBICIDE.

PLEASE CONTACT VALENT U.S.A. CORPORATION AT 1-800-6-VALENT (682-5368) TO DETERMINE IF THIS USE IS REGISTERED IN YOUR STATE.

Manufactured for
Valent U.S.A. Corporation
Walnut Creek, CA 94596-8025
www.valent.com

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Read and follow the label instructions before using.

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