



Section 24(c) Special Local Need Label

**FOR DISTRIBUTION AND USE ONLY WITHIN THE STATE OF  
COLORADO**

**BEACON®**

EPA REG. NO 100-705  
EPA SLN NO. CO-05-0004

**For Weed Control in Established Stands of Kentucky Bluegrass  
Grown for Sod**

**SYNGENTA'S SPECIAL CONDITIONS AND DISCLAIMER FOR USE OF BEACON ON  
KENTUCKY BLUEGRASS GROWN FOR SOD**

**IMPORTANT- READ BEFORE USE**

SYNGENTA CROP PROTECTION, INC. INTENDS THAT THIS SECTION 24C LABEL BE DISTRIBUTED ONLY TO END USERS AND/OR GROWERS WHO AGREE BY ELECTRONIC SIGNATURE ON SYNGENTA CROP PROTECTION'S INTERNET SITE TO THE TERMS AND CONDITIONS REQUIRED BY SYNGENTA CROP PROTECTION, INC. INCLUDING A WAIVER AND RELEASE FROM ALL LIABILITY AND INDEMNIFICATION BY THE USER AND/OR GROWER OF SYNGENTA AND OTHERS FOR FAILURE TO PERFORM AND FOR CROP DAMAGE FROM USE OF BEACON ON KENTUCKY BLUEGRASS GROWN FOR SOD. IF SUCH TERMS AND CONDITIONS ARE UNACCEPTABLE, RETURN THE BEACON AT ONCE UNOPENED OR USE THE BEACON FOR A DIFFERENT APPROVED USE IN ACCORDANCE WITH THE LABEL AFFIXED TO THE PRODUCT CONTAINER.

THIS PRODUCT, WHEN USED ON KENTUCKY BLUEGRASS GROWN FOR SOD, MAY LEAD TO CROP INJURY, LOSS, OR DAMAGE. SYNGENTA RECOMMENDS THAT THE USER AND/OR GROWER TEST THIS PRODUCT IN ORDER TO DETERMINE ITS SUITABILITY FOR SUCH INTENDED USE. SYNGENTA MAKES THIS PRODUCT AVAILABLE TO THE USER AND/OR GROWER SOLELY TO THE EXTENT THAT THE BENEFIT AND UTILITY, IN THE SOLE OPINION OF THE USER AND/OR GROWER, OUTWEIGH THE EXTENT OF POTENTIAL INJURY ASSOCIATED WITH THE USE OF THIS PRODUCT. THE DECISION TO USE OR NOT USE THIS PRODUCT MUST BE MADE BY EACH INDIVIDUAL USER AND/OR GROWER ON THE BASIS OF POSSIBLE CROP INJURY FROM BEACON, THE SEVERITY OF WEED INFESTATION, THE COST OF ALTERNATE WEED CONTROLS, AND OTHER FACTORS. BECAUSE OF THE RISK OF CROP DAMAGE, ALL SUCH USE IS AT USER'S AND/OR GROWER'S RISK.

FAILURE TO FOLLOW THE DIRECTIONS FOR USE AND PRECAUTIONS ON THIS LABEL MAY RESULT IN POOR WEED CONTROL, CROP INJURY, AND/OR ILLEGAL RESIDUES.

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## **DIRECTIONS FOR USE**

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

Follow all applicable Beacon directions, restrictions, Worker Protection Standard requirements, and precautions on the EPA-registered Beacon label.

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

This herbicide controls weeds by inhibiting a biochemical process which produces certain essential amino acids necessary for plant growth. The inhibited enzyme system is acetolactate synthase (ALS). Occurrence of ALS-resistant weed biotypes can be prevented or delayed by using this product in sequence with other herbicides having a different mode of action, and by using some form of mechanical control or a herbicide with a different mode of action to control weed escapes before they set seed.

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### **Cleaning Equipment After Beacon Application**

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Because many crops are extremely sensitive to low rates of Beacon, special attention must be given to cleaning equipment before spraying a crop other than Kentucky bluegrass. Mix only as much spray solution as needed. Immediately after spraying, clean equipment thoroughly using this procedure:

1. Prepare a tank cleaning solution of 1 gal. of household ammonia per 50 gals. of water. Use sufficient cleaning solution to thoroughly rinse all surfaces.
2. When available use a pressure rinser to clean the inside of the spray tank with this solution. Start agitation in the sprayer and thoroughly recirculate the cleaning solution for at least 15 minutes. All visible deposits must be removed from the spraying system.
3. Dispose of rinsate in an appropriate manner. Spray the cleaning solution on untreated Kentucky bluegrass, or return to a rinsate tank for later use as make-up water for spraying Kentucky bluegrass.
4. Repeat steps 1-3.
5. Remove nozzles and screens and clean separately after completing the above procedures to avoid injury to crops sprayed after the Beacon/Kentucky bluegrass application.

## Established Stands of Kentucky Bluegrass (*Poa pratensis* L.) Grown for Sod Production

Beacon should be used only on sod that is, or is intended to be, a pure stand of bluegrass - Beacon will severely injure or kill most other cool-season turf grass species."

Apply Beacon postemergence to established stands of Kentucky bluegrass for control of emerged weeds such as annual bluegrass, quackgrass, windgrass, partial control of cheat and downy brome, and other weeds in Table 1. Weeds must be within the recommended size range. The Kentucky bluegrass and weeds must be actively growing and under good growing conditions.

Apply Beacon at 0.76 oz./A (one water-soluble packet for 2 acres); or it may be applied as a split application of 0.38 oz./A (one water-soluble packet for 4 acres) followed by another 0.38 oz./A.

If a split application is used, the initial application should be made when weed sizes are within the range specified for optimum control in the following table; and the second half of the application should be made when the new weed growth or regrowth is again within the recommended size range for optimum control, generally 3-4 weeks after the initial application.

As specified on the EPA-registered Beacon label, the total amount of Beacon applied per calendar year must not exceed 0.76 oz./A.

Application should be a broadcast spray with ground equipment in a minimum of 10 gallons of water per acre. Refer to the EPA-registered Beacon label for mixing instructions, recommended spray volumes, and additive requirements. In general, a crop oil concentrate is the preferred additive when Beacon is applied for weed control in Kentucky bluegrass grown for sod. **Do not tank mix Beacon with other herbicides.** In addition, do not apply Beacon in tank mixture with, nor within 10 days before or 10 days after the application of, any organophosphate insecticide.

**Aerial Application:** Apply Beacon in water using a minimum spray volume of 5 gals. per acre. Include a nonionic surfactant, i.e., X-77®, at 1 qt. per 100 gals. of spray mix (0.25% volume/volume), or a good quality crop oil concentrate at no more than 2 pts. per acre (See Mixing Instructions on the EPA-registered Beacon label). Avoid application under conditions where uniform coverage cannot be obtained or where spray drift may occur. Make applications at a maximum height of 10 ft. above Kentucky bluegrass with low drift nozzles at a maximum pressure of 40 psi and wind speed not exceeding 10 mph to assure accurate Beacon application within the target area.

**Notes:** (1) **DO NOT** treat new seedings of Kentucky bluegrass with Beacon until the grass has filled in, mowed several times and is vigorous and actively growing. Applications can be made in the spring, when the target weeds are in the recommended size range, and both the bluegrass and weeds are actively growing. (2) Do not apply Beacon when the Kentucky bluegrass is stressed due to drought, excessive heat, frost, flooding, poor fertility, diseases, insects, or other reason. Stunting of Kentucky bluegrass may occur following application. Early applications to actively growing weeds and bluegrass give the best results. (2) **DO NOT** irrigate within 4 hours after a Beacon application. (3) **DO NOT** allow livestock to graze in treated fields. (5) **DO NOT** allow livestock to feed on grass clippings from treated fields. (6) **DO NOT** rotate to sugar beets for a minimum of 30 months following an application of 0.76 oz./A of Beacon. (7) Other rotational crop restrictions on the federally approved label for corn must be followed.

Refer to the following table for information on weeds controlled at recommended rates and weed diameter/height ranges for optimum control:

Table 1. Weeds Controlled with Beacon Applied Postemergence at 0.76 oz./A (or Split Application of 0.38 oz./A + 0.38 oz./A)	
Weed Species	Weed Diameter or Height Range for Optimum Control (inches)
Annual Bluegrass	1-3
Blue Mustard	1-6
Broadleaf Plantain	1-5*
Canada Thistle	1-8*
Catchweed Bedstraw	1-6
Cheat	1-5*
Common Chickweed	1-3
Common Ragweed	1-9
Dandelion	1-6*
Downy Brome	1-4*
Fall Panicum	1-2
Field Pennycress	1-6
Field Sandbur	1-4*
Flixweed	1-6
Henbit	1-3
Italian Ryegrass	1-4*
Jacob's Ladder	1-4
Mayweed Chamomile	1-4
Meadow Foxtail	1-3*
Mouseear Chickweed	1-3*
Prickly Lettuce	1-6
Quackgrass	2-8
Smooth Brome	1-4*
Tumble Mustard	1-6
White Clover	1-4
Wild Oats	1-4*
Windgrass	1-3
Yellow Foxtail	1-3*
*Partial Control/Suppression	

Table 4 of the EPA-registered Beacon label will aid in determining the number of water-soluble packets need to treat various acreages with single or split applications.

In addition to the postemergence activity of Beacon, residual (preemergence) control of most sensitive weed species can be expected for two-four weeks.

Refer to the EPA registered Beacon label for additional weeds controlled, restrictions and precautions, including rotational crop restriction.

**Chemigation:** For use under this SLN label do not apply this product through any type of irrigation system.

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