



**Section 24(c) Special Local Need Label**

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

**BEACON<sup>®</sup>**

**EPA REG. NO 100-705  
EPA SLN NO. MN-060003**

**For Weed Control in Seedling and Established Stands of Kentucky  
Bluegrass Grown for Seed Production Only**

**SYNGENTA'S SPECIAL CONDITIONS, RISKS OF USE AND DISCLAIMER FOR USE OF  
BEACON ON KENTUCKY BLUEGRASS ON THIS 24C LABEL**

**IMPORTANT- READ BEFORE USE**

**THESE CONDITIONS RISKS OF USE AND DISCLAIMER ARE REQUIRED BY  
SYNGENTA CROP PROTECTION INC AND NOT SPECIFIED BY U.S. EPA OR THE  
STATE OF MINNESOTA**

Labeling may be obtained through the Special Labels link at [www.farmassist.com](http://www.farmassist.com).

**FOR CONTROL OF WEEDS IN SEEDLING AND ESTABLISHED STANDS OF KENTUCKY  
BLUEGRASS GROWN FOR SEED.**

**TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, SYNGENTA CROP  
PROTECTION, INC. INTENDS THAT THE PRODUCT THAT IS THE SUBJECT OF THIS  
SECTION 24C LABEL BE PURCHASED ONLY BY END USERS 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 INJURY, CROP YIELD REDUCTION, AND/OR CROP LOSS FROM USE  
OF CALLISTO ON CROPS ON THIS 24(C) LABEL. 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.**

**USE OF BEACON (THE "PRODUCT") ON KENTUCKY BLUEGRASS (THE "CROP") FOR  
THIS SPECIAL LOCAL NEED MAY RESULT IN CROP INJURY, CROP YIELD REDUCTION  
AND/OR CROP LOSS AS FURTHER DISCUSSED BELOW. READ AND UNDERSTAND  
THESE CONDITIONS AND RISKS OF USE FOR SPECIAL LOCAL NEED BEFORE USING**

**THE PRODUCT ON THE CROP. SYNGENTA RECOMMENDS THAT THE USER TEST THIS PRODUCT TO DETERMINE ITS SUITABILITY FOR SUCH INTENDED USE.**

**Syngenta Crop Protection, Inc. makes the Product available for use in the manner described in this Supplemental Labeling on the basis that, in the sole opinion of the user, the benefits and utility derived from the use of the Product on the Crop outweigh the potential risk of Crop injury, Crop yield reduction or Crop loss. The decision to use this Product in the manner described in this Supplemental Labeling must be made by each individual user on the basis of anticipated benefits versus (i) the potential risk of Crop injury, Crop yield reduction and Crop loss, (ii) the severity of the target pest infestation, (iii) the cost and availability of alternative pest controls and (iv) any other relevant factors. Syngenta recommends that the user test this Product to determine its suitability for such intended use.**

**By purchasing the Product for use, or using the Product in the manner described in this Supplemental Labeling, you acknowledge and accept that:**

- 1) you assume all risk of Crop injury, Crop yield reduction and Crop loss;
- 2) Syngenta Crop Protection, Inc. do not make, and do not authorize any agent or representative to make, any representations or recommendations regarding the use of this Product on the Crop other than the statements on this Supplemental labeling;
- 3) Syngenta Crop Protection, Inc. do not make, and do not authorize any agent or representative to make, any warranties, express or implied, with respect to the use of the Product on the Crop and disclaim all warranties, expressed or implied, including any implied warranty of merchantability;
- 4) Syngenta Crop Protection, Inc. disclaim all liability for any damages, losses, expenses, claims or causes of actions arising out of or relating to Crop injury, Crop yield reduction and/or Crop loss;
- 5) these conditions and Risks of Use for Special Local Need supersede any contrary representations or recommendations by Syngenta Crop Protection, Inc. or their respective agents or representatives, and any provisions in or on any Product literature or labeling including any provisions on the label affixed to the Product container.

**If these Conditions and Risks of Use for Special Local Need are not acceptable, the unopened Product may be returned to the seller for a refund or used for a different labeled use in accordance with the label affixed to the Product container.**

**FAILURE TO FOLLOW THE DIRECTIONS FOR USE AND PRECAUTIONS ON THIS LABEL MAY RESULT IN POOR WEED CONTROL, CROP INJURY, 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 rinseate in an appropriate manner. Spray the cleaning solution on untreated Kentucky bluegrass, or return to a rinseate 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.

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

Beacon can be applied postemergence to seedling and established stands of Kentucky bluegrass with at least one tiller (4 to 5 leaves) but prior to jointing for control of emerged weeds such as quackgrass, windgrass, partial control of cheat and downy brome, and other weeds in Table 1. Weeds must be within the recommended size range. The 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 alone for weed control in Kentucky bluegrass grown for seed. Tank-mixing Beacon with other herbicides is not recommended because of limited tank-mix testing to date; however, if Beacon is tank mixed with other products, the use of a nonionic surfactant instead of crop oil concentrate is recommended, to reduce the risk of crop injury from certain mixtures. **Syngenta Crop Protection, Inc. will not be responsible for crop injury from tank mixtures of Beacon with other herbicides applied to Kentucky bluegrass.** 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 seedlings of Kentucky bluegrass with Beacon if the plants have less than one established tiller and are not in good vigor and growing condition. 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. 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 bluegrass may occur following application and, in some instances, seed yields may be adversely affected. 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** harvest bluegrass hay or allow livestock to graze in treated fields until after grass seed has been harvested and grass regrowth has occurred. At a minimum, this must be at least 90 days after a Beacon application. (4) **DO NOT** harvest bluegrass seed for at least 60 days after a Beacon application. (5) **DO NOT** rotate to sugar beets for a minimum of 30 months following an application of 0.76 oz./A of Beacon. (6) 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)
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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