

POPCORN, FIELD CORN GROWN FOR SEED AND SWEET CORN - GRASSES CONTROL

General Information

GENERAL INFORMATION

ACCENT Q herbicide is a water-dispersible granule used at a rate 0.45 - 1.8 ounces per acre for selective postemergence grass weed control in field corn grown for seed or grain, popcorn and sweet corn.

Do not make more than two applications of ACCENT Q per cropping season. The combined dosage of sequential applications cannot exceed 1.8 ounces per acre of ACCENT Q.

WHEN TO APPLY

NORMAL PLANNED USE

ACCENT Q may be used on field corn, high lysine, waxy, white or other food grade corn hybrids.

ACCENT Q may be broadcast to corn up to 20" tall (free standing) or that is exhibiting up to and including 6 leaf collars (V6), whichever is more restrictive.

While ACCENT Q has a wide application window, research has shown best results are obtained when applications are made early postemergence when corn and weeds are small. Target applications to corn that is less than 12" tall for best overall performance.

Timing to Weeds

Apply ACCENT Q when grasses are young and actively growing, but before they exceed the sizes indicated in Table 1 of the label.

Treat heavy infestations of weeds before they become too competitive with the crop, especially where soil moisture and/or fertility are limited. ACCENT Q provides weed control via foliar absorption. ACCENT Q only controls those weeds that have emerged. For later-emerging weeds, a second application or a timely cultivation is

required. Applications made to weeds larger than the size indicated on the label or to weeds under stress may result in unsatisfactory control. Refer to LATE OR RESCUE APPLICATIONS.

LATE OR RESCUE APPLICATIONS

ACCENT Q may be applied to field corn as a rescue treatment for the control of escaped grasses, or as a directed postemergence application on corn that is taller than 20" or which has more than 6 collars (whichever occurs first).

- For corn 20" to 36" tall, apply ACCENT Q with drop nozzles only and avoid spraying into the whorl of cornstalks.
- Do not apply to corn that is taller than 36" or that exhibits 10 or more collars (V10), whichever is most restrictive.

Applications made to weeds larger than those listed on the label may vary from complete control to suppression. Level of control will depend on the weed species, stage of growth, and environmental conditions.

Due to the unplanned nature of rescue applications, choices must be made between the risks that arise from applications made beyond the proper time for ACCENT Q use, and the effects of season long grass competition and/or harvest complications. These choices must balance risks from improperly timed ACCENT Q use that include, but are not limited to:

- Yield loss due to competition: Research indicates competition from foxtail exceeding 4 inches in height may reduce corn yields. Applications to foxtail and other annual grasses that exceed the sizes stated on the label increases the risk of yield losses due to prolonged competition with the crop even though control may be acceptable.
- Incomplete control of grasses beyond labeled size: Applications to grasses that exceed the labeled sizes can result in reduced control. This incomplete control may reduce corn yield.
- Incomplete grass control due to herbicide stress: Grasses under stress from previous herbicide applications may not be actively growing and susceptible to DuPont ACCENT Q. This stress may reduce grass control in "rescue" situations.

- Ear malformation: Applications of ACCENT Q on corn that has 7 to 10 collars (V7 to V10) increases the potential for ear malformation (pinching). This risk may be greatly reduced, but not eliminated, by using drop nozzles properly adjusted so as to not apply ACCENT Q into the corn whorl.

RATE

Optimum control of the weeds listed can be achieved with 0.9 ounces of ACCENT Q. Weeds that exceed the listed weed sizes by up to 50% may be partially controlled with rates between 0.9 and 1.8 ounces of ACCENT Q per acre.

ACCENT Q may be applied at 0.45 - 0.9 ounces for limited control of certain small grass weeds. See Table 2 in the label, under ADDITIONAL INSTRUCTIONS for details. As weeds mature, their sensitivity to ACCENT Q decreases. As grassy weeds become mature (more than 3 tillers), they may not reach the size listed below, due to drought or other environmental factors. Grassy weeds that are maturing rapidly should be treated before they reach the given stages.

SEQUENTIAL ACCENT Q APPLICATIONS

Annual grasses may have more than one flush of emerging seedlings. Also, regrowth of treated annual grasses may occur due to adverse environmental conditions following application. Perennial grasses may regrow from underground stems or roots, depending upon environmental conditions. To control grasses under these conditions, a sequential application of ACCENT Q may be necessary. The combined dosage of the sequential applications cannot exceed 1.8 ounces per acre of ACCENT Q.

CULTIVATION

A timely cultivation may be necessary to control suppressed weeds, or weeds that emerge after an application of ACCENT Q. Optimum timing for cultivation is 7-14 days after ACCENT Q application or upon seeing the establishment of new weeds.

SOIL INSECTICIDE INTERACTION INFORMATION

Before using ACCENT Q, ensure that it is compatible with any insecticides previously applied to the corn crop. ACCENT Q may interact with certain insecticides previously applied to the crop. Crop response varies with field corn type, insecticide used,

insecticide application method, and soil type. ACCENT Q may be applied to corn previously treated with "Fortress", "Aztec", or "Force" insecticides or nonorganophosphate (OP) soil insecticides regardless of soil type.

- DO NOT APPLY ACCENT Q to corn previously treated with "Counter" 15G or to corn treated with "Counter" 20CR in-furrow or over the row at cultivation.

- Applications of ACCENT Q to corn previously treated with "Counter" 20 CR, "Lorsban", or "Thimet" may cause unacceptable crop injury, especially on soils of less than 4% organic matter.

APPLICATION INFORMATION

Many crops are highly sensitive to ACCENT Q. All direct or indirect contact (such as spray drift) with crops other than field corn should be avoided (see also SPRAY DRIFT MANAGEMENT).

For all application systems, use 50-mesh or larger strainer screens.

Do not apply ACCENT Q through any type of irrigation system.

GROUND APPLICATION

Broadcast Application

- Use a minimum of 15 gallons of water per acre (15 GPA) for best performance. Use a minimum of 10 gallons of water per acre (GPA) for light, scattered stands of weeds.

- For best performance, select nozzles and pressure that deliver MEDIUM spray droplets, for example, as indicated in nozzle manufacturer's catalogues and in accordance with ASAE Standard S572. Nozzles that deliver COARSE spray droplets may be used to reduce drift, provided spray volume is increased to maintain coverage on small weeds. For optimal product performance and minimal spray drift, adjust the spray boom to the lowest possible spray height recommended in manufacturers' specifications.

- Ensure that equipment is set up to avoid applying an excessive rate directly over the rows and into the corn plant whorl. This is most likely to occur when a nozzle is positioned directly above the row.
- Overlaps or starting, stopping, slowing, and turning while spraying may result in crop injury.

Band Application

For band applications, use proportionately less spray mixture, and carefully calibrate the band applicator to not exceed the labeled rate. Carefully follow the manufacturer's instructions for nozzle type (flat fans), orientation, distance of nozzles from the crop and weeds, spray volumes, calibration and spray pressure.

AERIAL APPLICATION

In New York state and California aerial application is not permitted.

Use nozzle types and arrangements that will provide optimum spray distribution and maximum coverage at a minimum of 3 GPA.

Do not apply during a temperature inversion, when winds are gusty, or when conditions favor poor coverage and/or off-target spray movement.

ACCENT Q may be used as a sequential application in a planned postemergence weed control program in corn following a reduced rate of a preemergence herbicide.

Apply a reduced rate of a preemergence grass herbicide prior to corn emergence and then follow with a postemergence application of ACCENT Q. Apply products such as DuPont CINCH, CINCH ATZ, "Balance" PRO, "Axiom", "Dual" II Magnum, "Surpass", "Outlook" and "Harness" Xtra at as low as 1/4 to 1/2 of the full labeled use rate and follow with a sequential postemergence application of ACCENT Q. Refer to the preemergence grass herbicide label for use restrictions, application information, rotational crop guidelines, and cautionary statements prior to applying ACCENT Q.

Do not apply ACCENT Q to corn that exhibits herbicide injury from previous applications made to the current or preceding crop.

INTEGRATED PEST MANAGEMENT

This product may be used as part of an Integrated Pest Management (IPM) program that can include biological, cultural, and genetic practices aimed at preventing economic pest damage. IPM principles and practices include field scouting or other detection methods, correct target pest identification, population monitoring, and treating when target pest populations reach locally determined action thresholds. Consult your state cooperative extension service, professional consultants or other qualified authorities to determine appropriate action treatment threshold levels for treating specific pest/crop systems in your area.

RESISTANCE

When herbicides that affect the same biological site of action are used repeatedly over several years to control the same weed species in the same field, naturally-occurring resistant biotypes may survive a correctly applied herbicide treatment, propagate, and become dominant in that field. Adequate control of these resistant weed biotypes cannot be expected. If weed control is unsatisfactory, it may be necessary to retreat the problem area using a product affecting a different site of action.

To better manage herbicide resistance through delaying the proliferation and possible dominance of herbicide resistant weed biotypes, it may be necessary to change cultural practices within and between crop seasons such as using a combination of tillage, retreatment, tank-mix partners and/or sequential herbicide applications that have a different site of action. Weed escapes that are allowed to go to seed will promote the spread of resistant biotypes.

It is advisable to keep accurate records of pesticides applied to individual fields to help obtain information on the spread and dispersal of resistant biotypes. Consult your agricultural dealer, consultant, applicator, and/or appropriate state agricultural extension service representative for specific alternative cultural practices or herbicide recommendations available in your area.

IMPORTANT PRECAUTIONS

Injury to or loss of desirable vegetation may result from failure to observe the following:

- Do not apply DuPont ACCENT Q or drain or flush application equipment on or near desirable trees or other plants, or on areas where their roots may extend, or in locations where the chemical may be washed or moved into contact with their roots.
- Do not use on lawns, walks, driveways, tennis courts, or similar areas.
- Prevent drift of spray to desirable plants.
- Do not contaminate any body of water.
- Thoroughly clean application equipment immediately after use. (See the Sprayer Cleanup section of the label for instructions.)
- Do not graze or feed forage, hay, or straw from treated areas to livestock within 30 days of ACCENT Q application.

Refer specified label of Tank Mix Information.

Limitations, Restrictions, and Exceptions

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ACCENT Q may be broadcast or applied with drop nozzles to popcorn or field corn grown for seed that is less than 20" tall (free-standing) or that exhibits up to and including 5 leaf-collars (V5), whichever is most restrictive. Do not apply to corn that is taller than 20" or that exhibits more than 5 leaf-collars (V5), whichever is more restrictive.

Many seed companies have tested seed corn inbreds or yellow popcorn hybrids for sensitivity to ACCENT Q and have reported excellent safety. Do not apply ACCENT Q to any white popcorn inbred, or white popcorn hybrid unless specifically approved by the seed company. This includes "White Dynamite" popcorn.

ACCENT Q may be applied to certain sweet corn hybrids grown for fresh markets or under contract for processing. Applications of ACCENT Q may be applied broadcast or with drop nozzles (post-directed) on sweet corn up to 12 inches tall or up to and including 5 leaf-collars (V5) . For sweet corn 12 - 18 inches tall, apply only with drop

nozzles. Do not apply to sweet corn taller than 18 inches or those which exhibit 6 or more leaf-collars (V6), and make only one application of ACCENT Q per year.

Sweet corn hybrid sensitivity to ACCENT Q is highly variable, and not all hybrids have been tested for crop tolerance. Contact your DuPont Crop Protection Sales Representative for information on local sweet corn hybrids that have been evaluated with ACCENT Q.

Not all seed corn inbreds, popcorn or sweet corn hybrids have been tested, nor does DuPont have access to all seed company data. Consequently, DuPont is not responsible for any crop injury arising from the use of ACCENT Q on field corn grown for seed, popcorn or sweet corn. When tank mixing, check the tank mix partner label for tolerances and instructions for use.

See Soil Insecticide Interaction Information regarding the use of ACCENT Q on popcorn, sweet corn or field corn grown for seed that has been previously treated with a soil insecticide.

Weeds Controlled:

- Quackgrass, Sandbur (field, longspine), Wirestem muhly, Woolly Cupgrass: Requires the use of COC plus ammonium nitrogen fertilizer. Cultivation or re-treatment may be required. See \"FOR ADDITIONAL CONTROL OF LATER EMERGING GRASSES\"

Maximum Height or Diameter: 6

- Volunteer cereals (barley, oats, rye, triticale, wheat): 10 inches in the states of WA, OR, ID, and MT, where the use of MSO adjuvants are preferred. See SPRAY ADJUVANTS.

Method

[Broadcast/Foliar Air](#)

[Broadcast/Foliar Ground](#)

[Band application](#)

Rates

[field_rates 0](#)

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Restricted Entry Interval

4 hours

Timings

[Postemergence \(Weed\)](#)