

SOYBEANS - PREEMERGENCE

General Information

PRODUCT INFORMATION

CANOPY EX herbicide is a water-dispersible granule formulation used at a rate of 1.1 - 3.3 ounces per acre for burndown and residual weed control prior to soybean planting in no-till or conservation tillage fields.

For season-long control of all broadleaf and grass weeds following application of CANOPY EX, a planned sequential program is required.

CANOPY EX is non-corrosive, nonflammable, nonvolatile, and does not freeze.

CANOPY EX should be mixed in water and applied as a uniform broadcast spray.

Do not apply to frozen ground.

Use only in the geographies identified in the Rotational Crop Guidelines section of this label.

BIOLOGICAL ACTIVITY

DuPont CANOPY EX is absorbed through the foliage and roots of plants where it rapidly inhibits growth of susceptible weeds.

Leaves of susceptible plants appear chlorotic and the growing point subsequently dies. Weed species that are suppressed instead of controlled may remain green, but will be stunted and noncompetitive.

CANOPY EX will provide the best results when applied to young, actively growing weeds. Degree of control depends on: rate used; weed spectrum; weed size (use adequate spray volume to get coverage); growing conditions at and following treatment; soil moisture; precipitation; and spray adjuvants. Treating weeds under stress or large weeds may result in only partial control. Stress may be caused by:

- abnormal weather (hot or cold)
- mechanical injury from cultivation
- drought
- water-saturated soil
- disease
- insect injury
- prior herbicide injury

Rainfast interval

Do not apply CANOPY EX if rain is expected within 2 hours or weed control may

decrease.

RESTRICTIONS

- Do not apply this product through any type of irrigation system.
- Allow 14 days after application before grazing or feeding forage or hay.
- Do not apply more than a total of 0.82 ounces active ingredient chlorimuron ethyl per acre per year in the Northern and Central region states or 1.07 ounces active ingredient chlorimuron ethyl per acre per year in the Southern region states. This includes combinations of preemergence and postemergence applications of chlorimuron ethyl products.
- Do not apply more than a total of 0.25 ounces active ingredient of tribenuron methyl per acre per year in all use regions specified on this label.
- Do not apply to land that has been or will be treated with Dupont Glean, Ally, or Finesse herbicides in the states of Kansas or Nebraska without carefully observing the rotational crop intervals for those products.
- Injury to or loss of desirable vegetation may result from failure to observe the following:
 - Do not apply CANOPY EX 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.
 - Do not mix/load, or use within 50 feet of all wells including abandoned wells, drainage wells, and sink holes.
 - Do not discharge excess material on the soil at a single spot in the field or mixing/loading station.
 - Keep CANOPY EX from coming in contact with fertilizers, insecticides, fungicides, and seeds during storage.
 - Do not apply CANOPY EX if rain is expected within 2 hours or weed control may decrease.
 - Do not apply to frozen ground.

PRECAUTIONS

- CANOPY EX applied on soils with a history of nutrient deficiency (such as iron chlorosis) may cause crop injury.
- Thoroughly clean application equipment immediately after use and prior to

spraying other crops. Failure to remove even small amounts of CANOPY EX from application equipment may result in injury to subsequently sprayed crops. (See the Sprayer Cleanup section of this label for instructions.)

- Severe stress (drought, disease, insect damage, or nutrient deficiency such as iron chlorosis) following application may result in crop injury and/or poor weed control.
- When triple-rinsing the pesticide container, be sure to add the rinsate to the spray mix.

WEED RESISTANCE

DuPont CANOPY EX, which contains the active ingredients chlorimuron ethyl and tribenuron methyl, are both group 2 herbicides based on the mode of action classification system of the Weed Science Society of America. When herbicides with mode of action classifications that affect the same biological sites of action are used repeatedly over several years to control the same weed species in the same treatment area, naturally-occurring resistant biotypes may survive a correctly applied herbicide treatment, propagate, and become dominant in that area. 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 biological 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 to determine appropriate actions for treating specific resistant weed biotypes in your area.

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.

APPLICATION INFORMATION

GEOGRAPHIC USE REGIONS

Northern Region: The states of Iowa (fields inside the boundaries of the Clarion-Nicollet-Webster and Hamburg-Ida-Monona soil associations and fields located inside the historic floodplain of the Missouri River), South Dakota and Wisconsin (fields north of Interstate 90 between Lacrosse and Madison and fields north of Interstate 94 between Madison and Milwaukee). Do not use CANOPY EX in the Northern Region.

Central Region: The states of Delaware, Illinois, Indiana, Iowa (fields located outside the boundaries of the Clarion-Nicollet-Webster and Hamburg-Ida-Monona soil associations and fields located outside the historic flood plain of the Missouri River), Kansas, Maryland, Michigan, Missouri (except the Bootheel), Nebraska (fields south of Route 30 or east of Route 281), New Jersey, New York (fields south of Interstate 90), Ohio, Pennsylvania, Virginia, West Virginia and Wisconsin (fields south of Interstate 90 between Lacrosse and Madison and fields south of Interstate 94 between Madison and Milwaukee).

Southern Region: The states of Alabama (except the “Black Belt” where soil pH must be less than 7.0), Arkansas, Florida, Georgia, Kentucky, Louisiana, Missouri (Bootheel region only), Mississippi (except the “Black Belt” where soil pH must be less than 7.0), North Carolina, Oklahoma, South Carolina, Tennessee and Texas (fields east of Route 183). Do not use CANOPY EX in Florida.

TIMING TO CROP

CANOPY EX may be applied to no-till or conservation tillage fields after the fall harvest at the following intervals prior to planting soybeans.

- For 1.1 up to and including 1.5 oz/acre CANOPY EX, applications may be made up to the time of planting.
- For greater than 1.5 and up to and including 2.2 oz/acre CANOPY EX, plant soybeans a minimum of 7 days after CANOPY EX application. In the states of AL, AR, LA, bootheel of MO, MS and TN applications can be made up to the time of planting.
- For greater than 2.2 up to 3.3 oz/acre CANOPY EX, plant soybeans a minimum of

14 days after CANOPY EX application.

TIMING TO WEEDS: BURNDOWN

For best results, apply to annual weeds that are up to 3 inches in height or diameter and to perennial weeds that are up to 6 inches in height or diameter. Where the rate is not restricted by soil pH, use higher CANOPY EX rates for improved residual activity.

APPLICATION EQUIPMENT

Many crops are highly sensitive to CANOPY EX. All direct or indirect contact (including spray drift) with crops other than fallow fields must be avoided (see also SPRAY DRIFT MANAGEMENT).

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

GROUND APPLICATION

Broadcast Application

- Use a minimum of 15 gallons of water per acre (GPA) to ensure thorough coverage of the weeds and the best performance.
- For best performance, select nozzles and pressure that deliver MEDIUM spray droplets, as indicated, for example, by 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 specified in manufacturers' specifications.
- Overlaps or starting, stopping, slowing, and turning while spraying may result in crop injury.

AERIAL APPLICATION

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

Do not apply during a temperature inversion, when wind speed is less than 3 mph or above 10 mph, or when conditions favor poor coverage and/or off-target spray movement.

Do not apply CANOPY EX by air in the state of New York.

Limitations, Restrictions, and Exceptions

SOYBEAN

Weeds Controlled - Preemergence

Fall through early Spring applications of 1.1 oz/acre CANOPY EX will provide limited residual control of listed weeds to contribute to a clean seedbed at normal planting times.

Fall through early Spring applications of 1.5 - 3.3 oz/acre CANOPY EX will provide acceptable preemergence control, or partial control (suppression), of the following weeds through normal planting dates.

Annual grasses, Morningglory annual, Nutsedge yellow, Prickly sida, Teaweed and Ragweed giant: With 1.1 oz/acre applications of CANOPY EX, heavy weed pressure, delayed planting, or adverse environmental conditions may require additional burndown control measures at planting. For enhanced residual control, products such as 2-4 oz/acre "Sencor", or other metribuzin containing pesticides labeled for this use, may be tank mixed with 1.1 oz/acre CANOPY EX.

In addition to the weeds noted in the tables above CANOPY EX has activity on a range of other weeds. Consult DuPont Fact Sheets, technical bulletins, and service policies for information on other weeds controlled.

Method

[Broadcast/Foliar Air](#)

[Broadcast/Foliar Ground](#)

[Broadcast/Foliar Air](#)

[Broadcast/Foliar Ground](#)

Rates

[field rates 0](#)

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Restricted Entry Interval

12 hours

Tillages

[No-Tillage](#)

[Conservation](#)

Timings

[Preemergence \(Weed\)](#)

Fall through early spring