

CORN - PREEMERGENCE APPLICATION - FIELD CORN AND POPCORN

General Information

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Cornbelt Metro herbicide is intended for selective control of many broadleaf weeds in certain crops, including, cereal grains (wheat, barley, millet, oats and rye), corn (field corn, popcorn and sweet corn), fallow land and crop stubble, potatoes, sorghum (grain and forage sorghum), and soybeans (preplant burndown application only), forests, rangeland and established grass pastures including Conservation Reserve Program (CRP) acres, non-cropland, grasses grown for seed or sod, and ornamental turf.

Apply Cornbelt Metro as a water or oil-water spray during warm weather when weeds or woody plants are actively growing. Application under drought conditions will often give poor results. Use low spray pressure to minimize drift. Generally, the lower dosages recommended on the label will be satisfactory for young, succulent growth of susceptible weed species. For less susceptible species and under conditions where control is more difficult, use higher recommended rates. Deep-rooted perennial weeds such as Canada thistle and field bindweed and many woody plants usually require repeat applications for satisfactory control. Consult your State Agricultural Experiment stations or Extension Service Weed Specialists for recommendations from the label that best fit local conditions.

Use of this product in certain portions of California, Oregon and Washington is subject to the January 22, 2004 Order for injunctive relief in Washington Toxics Coalition, et al. v. EPA, C01-0132C, (W.D. WA). For further information, please refer to <http://www.epa.gov/espp/wtc/>.

General use Precautions and Restrictions

Chemigation: Do not apply this product through any type of irrigation system.

Excessive amounts of 2,4-D in the soil may temporarily inhibit seed germination and plant growth.

Application Instructions

Spray Volume: Apply with calibrated air or ground equipment using sufficient spray volume to provide adequate coverage of target weeds or as otherwise directed in specific use directions. For broadcast application, apply the recommended rate of this product in a spray volume of 2 or more gallons per acre by air and 10 or more gallons per acre for ground equipment. Use low-pressure sprays to minimize drift. Where states have regulations, that specify minimum spray volumes, they should be observed. In general, spray volume should be increased as crop canopy, height and weed density increase in order to obtain adequate spray coverage. Do not apply less than 2 gallons total spray volume per acre.

Application Rates: Generally, lower rates in recommended rate ranges will be satisfactory for more sensitive weeds species, when weeds are small, and when environmental conditions are favorable for rapid growth. Use higher rates in the recommended rate range for less sensitive species and under less favorable growing conditions. For crop uses, do not mix with oil or other adjuvants unless specifically recommended on the label. Deep-rooted perennial weeds such as Canada thistle and field bindweed and many woody plants usually require repeated applications for effective control.

Spot Treatments

To prevent misapplication, spot treatments should be applied with a calibrated boom or with hand sprayers using a fixed spray volume per 1,000 sq ft as indicated in the label.

Hand-Held Sprayers: Hand-held sprayers may be used for spot applications of Cornbelt Metro. Care should be taken to apply the spray uniformly and at a rate equivalent to a broadcast application. Application rates in the table are based on the application rate for an area of 1,000 sq ft. Mix the amount of Cornbelt Metro (fl oz or ml) corresponding to the desired broadcast rate in 1 to 3 gallons of spray. To calculate the amount of Cornbelt Metro required for larger areas, multiply the table value (fl oz or ml) by the thousands of sq ft to be treated. An area of 1000 sq ft is approximately 10.5 X 10.5 yards (strides) in size.

Band Application: Cornbelt Metro may be applied as a band treatment. Refer for the formula in the label to determine the appropriate rate and volume per treated acre.

Limitations, Restrictions, and Exceptions

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General: For best results, growth conditions should be favorable for active weed growth. Use high rate in rate range for less susceptible weeds, cover crops such as alfalfa, weeds in advanced stages of development, or under less favorable growth conditions.

Preemergence: Apply any time after planting, but before corn emerges to control broadleaf weed seedlings or existing cover crops. Do not use on light sandy soils.

Precautions:

- Corn hybrids vary in tolerance to 2,4-D. Some are easily injured. Apply only to varieties known to be tolerant to 2,4-D. Consult the seed company or your Agricultural Experiment Station or Extension Service Weed Specialist for this information.

- Note: Corn treated with 2,4-D may exhibit stem brittleness for 8 - 10 days following application. During this period, the crop is more susceptible to stem breakage from cultivation or wind.

Restrictions:

- Preharvest interval: Do not use treated crop for fodder within 7 days after application.
- Do not make more than one preemergence application per use season.
- Do not apply more than 4.3 pt/acre of Cornbelt Metro (3.0 lbs acid equivalent/acre) per use season.

Notes (for Annual and Biennial Weeds):

Beggarticks, broomweed, common, buttercup, smallflowered, knotweed, lettuce, prickly, mallow, little, mallow, Venice, pepperweeds (*Lepidium* spp.), pigweeds (*Amaranthus* spp.), salsify, common, salsify, western, smartweed (annual species), thistle, Russian (tumbleweed): These weeds are only partially controlled and may require repeat applications and/or use of higher recommended rates of this product even under ideal conditions of application.

bittercress, smallflowered, buttercup, smallflowered, cinquefoil, common, cinquefoil, rough, copperleaf, Virginia, geranium, Carolina, horseweed (maretail), lettuce, prickly, mousetail, pepperweeds (*Lepidium* spp.), purslane, common, smartweed (annual species): This product may not be used to control this weed species in the state of California.

Notes (for Perennial Weeds):

Alfalfa, artichoke, Jerusalem, aster, many-flower, Austrian fieldcress, bindweed (hedge, field and European), bullnettle, carrot, wild, clover, red, cress, hoary, dandelion, docks, dogbanes, garlic, wild, hawkweed, orange, nettles (including stinging), onion, wild, ragwort, tansy, thistle, Canada, vervains: These weeds are only partially controlled and may require repeat applications and/or use of higher recommended rates of this product even under ideal conditions of application.

bindweed (hedge, field and European), bullnettle, clover, red, eveningprimrose, cutleaf, ironweed, western, thistle, Canada: This product may not be used to control this weed species in the state of California.

Method

[Broadcast/Foliar Air](#)

[Broadcast/Foliar Ground](#)

[Spot treatment](#)

[Band](#)

Pre-Harvest Interval

7 days

Rates

[field rates 0](#)

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Restricted Entry Interval

12 hours

Timings

[Preemergence \(Crop\)](#)