Halex® GT

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Technical Guidelines

Halex® GT corn herbicide has built its legacy providing one-pass, post-emergence and long-lasting residual control of 90+ broadleaf weeds and grasses in glyphosate-tolerant corn.

Application Guidelines

- **Rate: 3.6-4.0 pt/A from corn emergence up to 30 inches in height. Applying Halex GT at rates less than 3.6 pt/A may result in incomplete weed control and reduced residual weed control.** It will also increase the risk of selecting for resistant weed biotypes.
- **Halex GT can be applied to glyphosate-tolerant (e.g. Agrisure® GT, Roundup Ready®) corn only.** An application of Halex GT to a corn hybrid that is not glyphosate-tolerant will result in crop death.
- When glyphosate-tolerant corn is grown under no-till conditions, control all emerged weeds at the time of corn planting with a burndown application (e.g. glyphosate or Gramoxone® herbicide) or a burndown application and a pre-emergence application of Acuron®[1] or Acuron Flexi[1] herbicide. Halex GT can then be applied post-emergence.
- Do not apply more than 4.0 pt/A of Halex GT per growing season.
- Halex GT must be applied with a nonionic surfactant (NIS) at 1.0-2.0 qt/100 gallons of water (0.25-0.5% v/v). The use of methylated seed oil (MSO) and crop oil concentrate (COC) are not recommended.
- In addition to NIS, spray grade ammonium sulfate (AMS) is also recommended. The use of urea ammonium nitrate (UAN) with Halex GT is not recommended and will cause crop injury and reduced grass weed control.
- Apply in water only at a spray volume of 10-30 gal/A post-emergence.
- Pressure at nozzle should be sufficient to ensure good distribution in the spray pattern.
- Use appropriate nozzles and 50-mesh or coarser screens.
- Maintain agitation to ensure mixture is suspended in the spray tank.
- If agitation is stopped for more than five minutes, re-suspend the spray solution by running on full agitation prior to spraying.

Application Restrictions

- Do not apply Halex GT through any type of irrigation system.
- Do not apply when conditions may cause drift to non-target areas.
- Do not apply Halex GT to ground that has been or will be treated with Callisto® herbicide in the same season.

Restricted Entry Interval (REI)

- REI: 24 hours[2].

[1]Refer to the product label for rate information when using in a two-pass program with Halex GT.
[2]Refer to the Halex GT product label for information on earlier entry.

Application Timing

- Post-emergence – Halex GT may be applied from corn emergence up to 30 inches in height or the 8-leaf stage of corn growth.
- For the best protection of corn yield potential, apply when weeds are less than 4 inches in height, length or diameter.
- If an activating rain (0.25 inches) is not received within 7-10 days after the post-emergence application, residual weed control will be reduced.

Rotational Crops

- All types of corn and Concep® III-treated grain sorghum may be replanted immediately.
- Barley, oats, rye and wheat may be planted 4.5 months after application.
- Alfalfa, asparagus, cotton, dry beans[3], grasses grown for seed, peanuts, peas[3], potatoes, rice, sunflowers, soybeans and tobacco can be planted back the following season but not less than 10 months after the last application of Halex GT.
- Canola and flax can be planted after one full year.
- All other rotational crops may be replanted 18 months after application of Halex GT.
- If Halex GT is applied sequentially or in a tank mix with other herbicides, refer to all other herbicide labels and follow the most restrictive guidelines.

Insecticide Restrictions

- Severe corn injury resulting in yield loss may occur if Halex GT herbicide is applied postemergence to corn crops that were treated with Counter®, Lorsban® or other organophosphate-containing soil insecticides.
- Severe corn injury resulting in yield loss may occur if Halex GT herbicide is applied foliar postemergence in a tank mix with any organophosphate or carbamate insecticide.
- Halex GT may be applied with pyrethroid insecticides such as Warrior II with Zeon Technology® insecticide.

AAtrex® Herbicide or Dicamba Tank Mixtures

- For weed resistance management, add AAtrex 4L at a rate of 1.0-4.0 pt/A or AAtrex Nine-O® herbicide at a rate of 0.55-2.22 lb/A for improved broadleaf weed control.
- Do not exceed more than 2.0 lb/A of atrazine for any single application.
- The total pounds of atrazine must not exceed 2.5 lb/A per year.
- If atrazine cannot be used, add a dicamba product (e.g. NorthStar® herbicide) for improved broadleaf weed control.

Formulation

Halex GT combines three highly effective modes of action.

Rate of Halex GT	Callisto (mesotrione) Group 27	Glyphosate[4] Group 9	Dual Magnum® herbicide (*S*-metolachlor) | Group 15
3.6 pt/A	3.0 fl oz/A	27 fl oz/A	1.0 pt/A
4.0 pt/A	3.3 fl oz/A	30 fl oz/A	1.1 pt/A

For more information, visit **HalexGT-Herbicide.com**, talk to your local Syngenta retailer or contact the Syngenta Customer Center at **1-866-SYNGENTA (796-4368).**

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[3]Refer to the Halex GT product label for specific conditions required to plant back at 10 months.

[4]Based on 4.5 lb/gallon formulation of glyphosate.

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