LUMAX Gives Sweet Corn Growers a Solution for One-Pass Weed Control

With the recent U.S. Environmental Protection Agency (EPA) registration* of LUMAX® herbicide for pre-plant or pre-emergence use in sweet corn, growers can now achieve a new level of one-pass weed control.

LUMAX offers high-performance control of an extremely broad spectrum of grass and broadleaf weeds with just one pre-emergence application on most acres. LUMAX also features excellent crop safety.

LUMAX is powered by mesotrione, the same active ingredient in the popular post-emerge herbicide, Callisto®. Mesotrione has shown excellent crop safety and yield protection in numerous processing and fresh market sweet corn hybrids in both university and in-house research trials during the past several years.

The crop safety and season-long weed management LUMAX delivers is especially important in sweet corn production. Compared to field corn, sweet corn hybrids are more susceptible to herbicide injury. In addition, the sweet corn plant’s smaller size and slower growth delay or prevent crop canopy closure, allowing weeds to better compete with the crop for essential nutrients, sunlight and moisture.

Whether you produce sweet corn for processing or the fresh market, LUMAX will deliver a new level of weed control and yield protection – with results that can be seen on the scales.

LUMAX Features and Benefits for Sweet Corn Growers

- **Excellent pre-emergence crop safety.** Like seed corn and yellow popcorn, sweet corn hybrids are more susceptible to herbicide injury. Seed corn and yellow popcorn producers have widely adopted LUMAX as their product of choice due to its excellent crop safety. LUMAX has also been proven on numerous processing and fresh market sweet corn hybrids.

- **One-pass, season-long weed management.** LUMAX manages weeds season-long on most corn acres with just one pass, saving growers time and money. With the limited number of herbicides available for use in sweet corn, one-pass weed management has been particularly difficult to achieve, until now.

- **Unsurpassed weed control performance.** Applied pre-emergence, LUMAX provides proven, broad-spectrum control of more than 40 of the toughest grasses and broadleaf weeds in corn, including triazine-, ALS- and glyphosate-resistant or tolerant weed biotypes.

- **Unique chemistry.** LUMAX is powered by mesotrione, which provides unprecedented broadleaf weed control and crop safety that the competition cannot match.

- **Tool for weed resistance management.** LUMAX contains three highly effective modes of action making it an excellent tool for managing against weed resistance. LUMAX is a Resistance Fighter™ brand.
Broadleaf Weeds and Grasses Controlled with a Pre-Emergence Application of LUMAX

**Broadleaf Weeds Controlled**
- Black Nightshade
- Buffalobur
- Carpetweed
- Common Lambsquarters
- Common Purslane
- Common Waterhemp
- Eastern Black Nightshade
- Florida Beggarweed
- Florida Pusley
- Galinsoga
- Hairy Nightshade
- Hemp Sesbania
- Jimsonweed
- Kochia
- Ladyshrub Smartweed
- Palmer Amananth
- Pennsylvania Smartweed
- Powell Amananth
- Redroot Pigweed
- Smooth Pigweed
- Tall Waterhemp
- Velvetleaf
- Venice Mallow
- Wild Buckwheat
- Wild Mustard
- Wild Radish

**Broadleaf Weeds, Partial Control**
- Common Cocklebur
- Common Ragweed
- Common Sunflower
- Entireleaf Morningglory
- Giant Ragweed
- Ivyleaf Morningglory
- Prickly Sida

**Grasses Controlled**
- Barnyardgrass
- Bristly Starbur
- Browntop Panicum
- Crabgrass
- Crowfootgrass
- Fall Panicum
- Foxtail Millet
- Giant Foxtail
- Goosegrass
- Green Foxtail
- Narrowleaf Signalgrass
- Prairie Cupgrass
- Red Rice
- Red Sprangletop
- Robust Foxtail (purple, white)
- Southwestern Cupgrass
- Witchgrass
- Yellow Foxtail

**Grasses, Partial Control**
- Broadleaf Signalgrass
- Field Sandbur
- Seedling Johnsongrass
- Shattercane
- Texas Panicum
- Wild Proso Millet
- Woolly Cupgrass

**Sedges Controlled**
- Yellow Nutsedge

**Application Guidelines**
- LUMAX should be applied pre-emergence at the 2.5 – 3.0 qts./A rate depending on soil organic matter.
- Do not apply LUMAX to sweet corn or yellow popcorn after the crop has emerged or severe crop injury may occur.

**Rotational Guidelines**
- All types of corn can be replanted immediately.
- Corn, cotton, small grain cereals, soybeans, sorghum or peanuts can be planted the spring following application.
- Winter wheat, barley, or rye may be planted 4½ months following application.
- All other crops, wait 18 months following application.

LUMAX, which is powered by the Callisto chemistry, owes its origins to the discovery of the natural herbicide secreted by the *Callistemon* plant. This is Callisto Plant Technology™ and it brings unprecedented broadleaf weed control and exceptional crop safety to LUMAX that the competition cannot match.

Please visit syngentacropprotection.com to view the latest release of the LUMAX product label, which includes special use direction in sweet corn.
To learn more about managing against weed resistance, visit resistancefighter.com.

*LUMAX is not currently registered for use in sweet corn in New York. Check with your state regulatory agency before applying LUMAX to sweet corn.*