



LA Sugarcane

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Classification: INTERNAL USE ONLY

Lumax EZ[®] in Sugarcane

- Pre and Post Emergence use in Sugarcane
- Atrazine (the active ingredient in **Aatrex[®]**)
- Mesotrione (the active ingredient in **Callisto[®]**)
 - Unprecedented broadleaf weed control
- S-Metolachlor (the active ingredient in **Dual Magnum[®]**)
 - Season-long, residual grass control, new MOA in cane



- Equivalent rates

	Callisto	Dual II Magnum	AAtrex 4L
2.5 qt/A	5.4 oz/A	1.8 pt/A	0.625 qt/A
3.0 qt/A	6.4 oz/A	2.0 pt/A	0.75 qt/A

Lumax EZ[®] in Sugarcane

- Resistance Management Tool for over use of Metribuzin (PSII)
- New MOA in Cane w/ S-Metolachlor (AI in Dual Magnum[®])
- Broaden spectrum and synergy
- Weeds: Nightshade, Nutsedge, Ryegrass...etc
- Winter annuals
 - Cutleaf evening primrose
 - Annual bluegrass
 - Ryegrass (GLY, PSII resistance/tolerant)
- Morningglory Spp.
- Pigweed
- Dayflower
- Alligatorweed
- Purslane
- Bermudagrass* (2 apps maybe needed)
- Tank-Mix with Triclopyr for Synergy on bermudagrass and many other weeds



Lumax EZ[®] in Sugarcane (Crop Use)

Proposed use directions

- **Application Timing**
 - broadcast as a preplant, preemergence, postemergence or preplant/preemergence followed by postemergence
- **Preemergence (crop): 2.75 – 3.75 qt/A***
- **Postemergence: 1.5 to 3.0 qt/A***
- **Adjuvant:** If weeds are emerged
 - + COC at 1% v/v (1 gallon/100 gallon)
 - or a NIS at 0.25% v/v (1 quart/100 gallon) to the spray solution.
 - In addition to COC or NIS, a spray grade UAN (e.g. 28-0-0) at a rate of 2.5% v/v (2.5 gal/100 gal spray solution) or ammonium sulfate (AMS) at a rate of 8.5 lb/100 gallons of spray solution can be added to the spray solution.
- **Maximum of 5.25 qt/A/season in no more than 2 applications***
- **Do not apply more than 3.0 qt/A postemergence before sugarcane is 60" tall***
- Can tank mixed with other registered sugarcane herbicide, insecticide, and fungicides
- PHI = 100 days
- GPA = Ground (10-15 gal/A min)

General Weed Control USSDSH4482017



***UTC**

***All treatments had NIS at 1% v/v
Applied 3-23; Picture taken 5-8 (45 DAA)**

General Weed Control USSDSH4482017



***LUMAX @ 3 QT/A**

***All treatments had NIS at 1% v/v
Applied 3-23; Picture taken 5-8 (45 DAA)**

Pre-emergence weed control



Pre-emergence yellow nutsedge control



Nightshade control



Lumax EZ @ 3.0 qt/A*



Lumax EZ @ 3.0 qt/A*

Nightshade control



***Lumax EZ @ 3.0 qt/A + Trycera @ 3 pt/A**

***All treatments had Agridex at 1% v/v
Applied 3-17; Picture taken 3-23 (6 DAA)**

Nightshade control



***Lumax EZ @ 3.0 qt/A + Trycera @ 3 pt/A**

***All treatments had Agridex at 1% v/v
Applied 3-17; Picture taken 4-17 (30 DAA)**

CRO Fall Applied Demo for Winter Annuals and Ryegrass Control



Check

***Applied 11-16; Picture taken 2-17 (~90 DAA)**

CRO Fall Applied Demo for Winter Annuals and Ryegrass Control



Lumax EZ @ 3.25 qt/A

***Applied 11-16; Picture taken 2-17 (~90 DAA)**

COI Demo



Check

***Applied 5-26-17; Picture taken 7-6 (~6WAT) and 12.58" of rain in the 6 week period**

COI Demo



Lumax EZ @ 3.25 qt/A

***Applied 5-26-17; Picture taken 7-6 (~6WAT) and 12.58" of rain in the 6 week period**