syngenta

LA Sugarcane

Dr. Keith Burnell, ASR LA

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 (Al 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
- DayflowerAlligatorweed
- **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
- <u>Preemergence</u> (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) <u>or</u> 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



General Weed Control USSDSH4482017



*LUMAX @ 3 QT/A



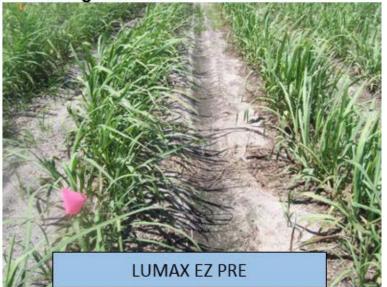
Pre-emergence weed control





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



Nightshade control



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



CRO Fall Applied Demo for Winter Annuals and Ryegrass Control



Check



CRO Fall Applied Demo for Winter Annuals and Ryegrass Control



Lumax EZ @ 3.25 qt/A



COI Demo



Check



COI Demo



Lumax EZ @ 3.25 qt/A

