



Lumax EZ vs. Resicore

With weed resistance expanding and corn commodity prices tightening input budgets, farmers are looking for products that deliver a good return on their investment. Containing atrazine, S-metolachlor and mesotrione, Lumax® EZ corn herbicide has three sites of action and delivers more effective weed control dollar for dollar than Resicore corn herbicide.

Comparing Effective Sites of Action

Lumax EZ

Active ingredients:



Mesotrione
(HPPD Inhibitor,
Site Of Action Group 27)



Atrazine
(PSII Inhibitor,
Site Of Action Group 5)



S-metolachlor
(VLCFA Inhibitor,
Site Of Action Group 15)

Resicore

Active ingredients:



Mesotrione
(HPPD Inhibitor,
Site Of Action Group 27)



Clopyralid (Stinger®)
(Plant Growth Regulator,
Site Of Action Group 4)



Acetochlor
(VLCFA Inhibitor,
Site Of Action Group 15)

Resicore has three sites of action (groups 4, 15 and 27) but only **two** are effective at providing residual control because one of its active ingredients, clopyralid (Stinger), is not a lethal dose rate. Lumax EZ contains **three** effective sites of action (groups 5, 15 and 27).

- Fields are **83 times less likely to develop weed resistance if they receive more than 2.5 effective sites of action** per herbicide application¹
- Lumax EZ manages broadleaf weed biotypes resistant to ALS-inhibiting, glyphosate, PPO and triazine herbicides
 - Proactive resistance management **increases estimated grower profits by 14-17.5%** over a 20-year planning horizon²
 - Managing resistance pays for itself quickly, within 2-3 years²

¹ Evans ETAL Pest Manag Sci. 2016 Jan;72(1):74-80. doi:

² Livingston M, Fernandez-Cornejo J, and Frisvold GB. 2016. Economic Returns to herbicide resistance management. Weed Science Special Issue: 595-608

75 Days After Treatment



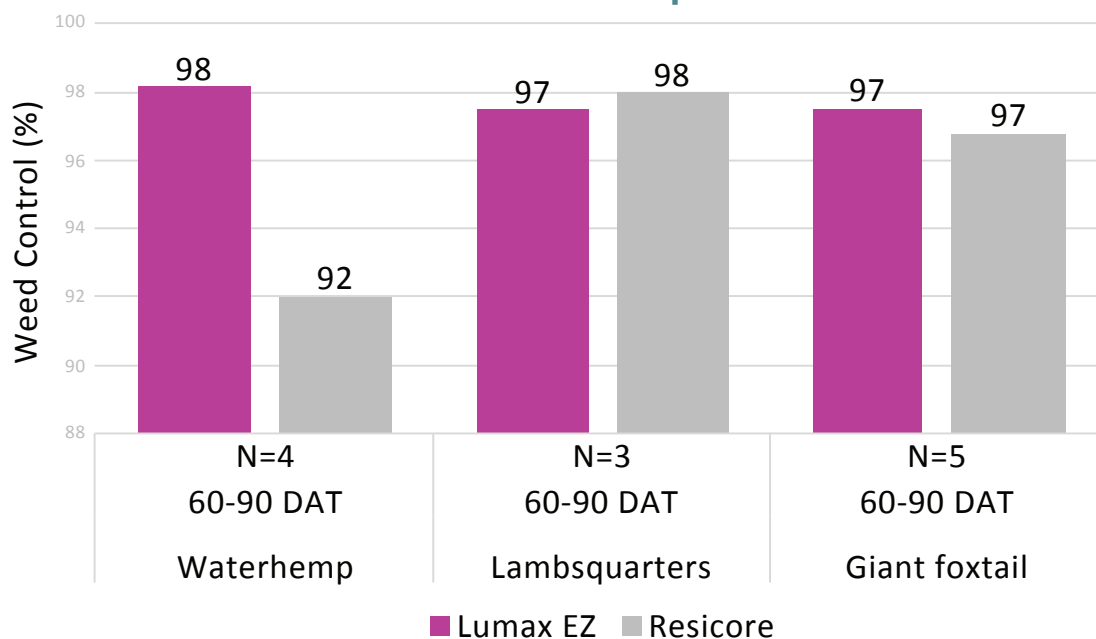
Resicore 3.0 qt/A PRE



Lumax EZ 3.25 qt/A PRE

2016 Syngenta trial HBI004: Agency, MO

Residual Control Comparison



Trial Information:

Trial locations: IA, IL, MO, IN.

Plot Size: Minimum 10 ft x 30 ft.

Replications: 3

Application Rates and Timing: Lumax EZ 2.7-3.25 qt/A and Resicore 2.5-3 qt/A as preemergence application.

DAT: Days after treatment, N= Number of trials.

Data from 6 Syngenta and university-replicated trials in 2016 (applied preemergence)

Summary provided by Syngenta Technical Services

Learn more about Lumax EZ at www.syngenta-us.com/herbicides/lumax-ez and join the conversation using [#ToughWeeds](https://twitter.com/ToughWeeds).



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Lumax[®] EZ

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Trial reflects treatment rates commonly recommended in the marketplace.

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