Lexar 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, Lexar® 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

Lexar 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. Lexar 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
- Lexar EZ manages broadleaf weed biotypes resistant to ALS-inhibiting, glyphosate and PPO 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 Manaq Sci. 2016 Jan;72(1):74-80. doi:
73 Days After Treatment

Residual Control Comparison

- **Resicore 3.0 qt/A PRE**
- **Lexar EZ 3.5 qt/A PRE**

2016 Syngenta trial HBI004: Gilbert, IA

**Waterhemp**
- 60-90 DAT: 95% (Resicore), 92% (Lexar EZ)
- 99% and 98% control for both 60-90 DAT

**Lambsquarters**
- 60-90 DAT: 99% (Resicore), 96% (Lexar EZ)
- 99% and 98% control for both 60-90 DAT

**Giant foxtail**
- 60-90 DAT: 97% (Resicore), 96% (Lexar EZ)
- 96% and 97% control for both 60-90 DAT

**Trial Information:**
- **Trial locations:** IA, IL, MO, IN.
- **Plot Size:** Minimum 10 ft x 30 ft.
- **Replications:** 3
- **Application Rates and Timing:** Lexar EZ 3-3.5 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 Lexar EZ at [www.syngenta-us.com/herbicides/lexar-ez](http://www.syngenta-us.com/herbicides/lexar-ez) and join the conversation using #ToughWeeds.

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