



# Emerging Technologies from Valent USA

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Field Market Development Specialist – Regional Lead



# Agenda





**Maverick**<sup>™</sup>  
CORN HERBICIDE



# Maverick Demos



# Maverick<sup>®</sup> Corn Herbicide

## Modes of Action



<b>Clopyralid</b>	Plant Growth Regulator–Group 4
<b>Mesotrione</b>	HPPD Inhibitors–Group 27
<b>Pyroxasulfone</b>	Very-Long-Chain Fatty Acid (VLCFA) Inhibitors–Group 15



# Maverick<sup>®</sup> Corn Herbicide Plot Tours





# Maverick® Corn Herbicide Plot Tours





**Northeast Louisiana**  
**June 15, 2023**





**Northeast Louisiana**  
**June 15, 2023**





Taylor, TX June 21, 2023







# PERPETUO™

HERBICIDE





# PERPETUO™

## HERBICIDE



### FORMULATION

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*Perpetuo* is a suspension concentrate (SC) that contains 0.59 pounds flumiclorac pentyl ester and 1.71 pounds pyroxasulfone per gallon.

### MODE OF ACTION

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*Perpetuo* has two modes of action: flumiclorac pentyl is a Group 14 herbicide (Inhibition of Protoporphyrinogen Oxidase (PPO)) and pyroxasulfone, which is a Group 15 herbicide (Very-Long-Chain Fatty Acid (VLCFA) Inhibitors).

### LABELED CROPS, TARGET WEEDS AND USE RATES

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*Perpetuo* will be labeled for use in soybeans and field corn at 6 to 10 fl oz/A for the increased speed and overall control of burndown tank mix partners and the preemergence control of small-seeded broadleaves and annual grasses, such as Palmer amaranth, waterhemp, lambsquarters, crabgrass, foxtails, panicums and many others.



# PERPETUO™

HERBICIDE

- Perpetuo™ provides residual control of many small-seeded broadleaves and annual grasses, including Palmer amaranth and waterhemp.
- Perpetuo offers increased speed and overall postemergence weed control when tank mixed with glyphosate, dicamba, 2,4-D and/or glufosinate.



A decorative graphic on the left side of the slide consists of a dark green triangle pointing downwards, overlaid on a lighter green background. A white arrow points to the right, and three horizontal white lines are positioned below it.

# Regiment EZ Demos





# Regiment<sup>®</sup> EZ Herbicide



Regiment<sup>®</sup> EZ Herbicide is a new, liquid formulation of a proven active ingredient providing broad spectrum postemergence weed control with a low use rate.







# Regiment<sup>®</sup> Herbicides Use Rates

Regiment <sup>®</sup> Herbicide			
Rate (oz)	0.4	0.57	0.67
Bispyribac active (lb)	0.020	0.029	0.034

Regiment <sup>®</sup> EZ Herbicide			
Rate (fl oz)	0.75	1	1.15
Bispyribac active (lb)	0.022	0.029	0.033

*Always read and follow label instructions.*

# Regiment® Herbicides Plot Tours















**OutReach™ SC** is an innovative microbial technology that shields crops from yield-limiting nematodes and extends root acquisition networks to improve nutrient and water uptake.

*Outreach SC* offers the utility of two product constituents that each uniquely provide crop protection and plant performance improvement.

- Nematode control and exclusion
- Increased nutrient uptake and stress mitigation
- Formulated for the convenience of in-furrow applications



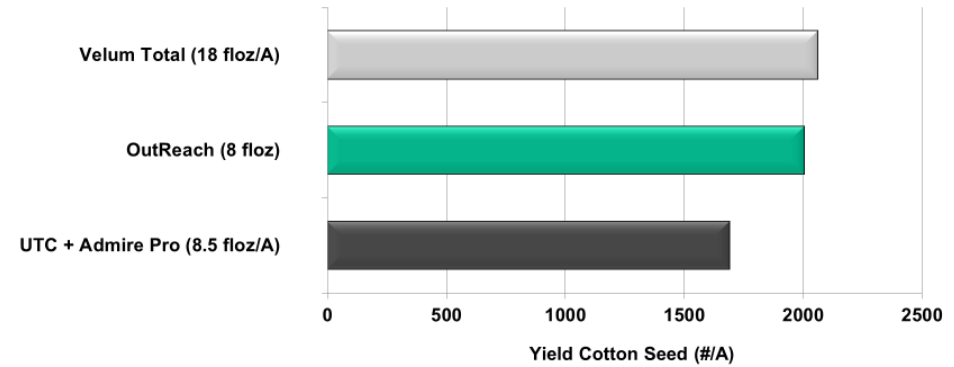
: *Bacillus amyloliquefaciens*

8 fl oz/A

OutReach SC Nematicide Use Rates	
Crop	In-Furrow Rate
Peanut	6 – 10 fl oz/A
Cotton	6 – 10 fl oz/A
Corn	6 – 10 fl oz/A



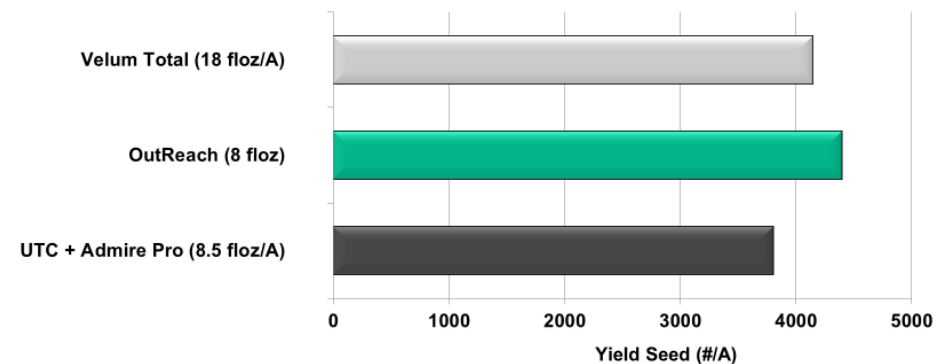
### OutReach for Nematode Management, Cotton



Data summary of 3 trials conducted in 2020.



### OutReach for Nematode Management, Peanut



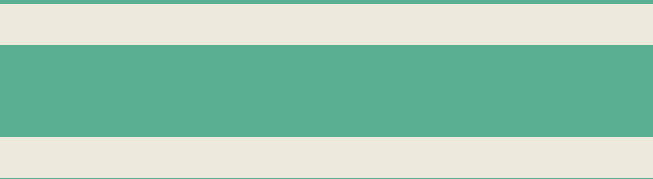
Data summary of 4 trials conducted in 2020.





**Ethan Russell – Territory  
Account Manager – LA/AR/MS**

**Garrett Taylor – Territory  
Account Manager – LA/TX**



**Thank You**

