MBI-112/113
Bioherbicides
Safe Harbor Statement

This presentation may include forward-looking statements. These statements reflect the current views of the Company’s senior management with respect to future events and financial performance. These statements include forward-looking statements with respect to the Company’s business and industry in general, including statements regarding potential market size of Company products, anticipated product development costs, target geographic markets, and future goals. Statements that include the words “expect,” “intend,” “plan,” “believe,” “project,” “forecast,” “estimate,” “may,” “should,” “anticipate”, “target”, “goals” and similar statements of a future or forward-looking nature identify forward-looking statements for purposes of the federal securities laws or otherwise. Forward-looking statements address matters that involve risks and uncertainties, such as the timing of and costs associated with the launch of products, the difficulty in predicting the timing or outcome of product research and development efforts and regulatory approvals. Accordingly, there are or will be important factors that could cause the Company’s actual results to differ materially from those indicated in these statements. The statements made herein speak only as of the date of this presentation.
MAJESTENE Bionematicide

- New species of bacterium (*Burkholderia rinojensis* strain A396)
- Contains heat-killed cells and broth
- Activity is from metabolites produced during fermentation
- Liquid formulation: broadly compatible with other pesticides/fertilizers
- Does not require refrigeration, good shelf life characteristics
- Broad spectrum nematicide
MAJESTENE Bionematicide

- Launched in early 2016
- In-furrow, drip irrigation, chemigation, seed treatment
- No seasonal limit on number of applications
- Zero day PHI
- Exempt from tolerances
- Excellent candidate for use on minor crops
- 1-2 gallon/acre application rate
- NOP Compliant/OMRI certified
- EPA registration number 84059-14
Majestene Stops Development in the Root and Reduces Reproduction and Egg Hatching

1. Inhibition of egg development/hatching
   • Direct suppression of hatching

2. Inhibition of root penetration:
   • Direct effect on J2 (death)

3. Inhibition of feeding site development:
   • Induction of systemic resistance

4. Inhibition of nematode reproduction

5. Inhibition of gall formation
Tomato: Root-knot nematode

- Majestene through drip.
- One or two applications (30 days apart).
- Counts taken at 3 weeks after last application.
Labeled Crops and Nematodes Targeted

- Bananas
- Corn
- Strawberry
- Cotton
- Cucurbits
- Tomato/Pepper
- Soybean
- Meloidogyne
- Pratylenchus
- Criconema
- Tylenchorhynchus
- Belonolaimus
- Helicotylenchus
- Rotylenchulus
- Heterodera
- Radopholus
- Haplolaimus

2ee labels for potatoes, onions, mint, cane berries

**Numerous minor crops that need to be evaluated:**

annual and permanent!
MBI-012/013
Bioherbicides
New species of bacterium (*Burkholderia rinojensis* strain A396). Yes, same species as in Majestene and Venerate®.

- Contains heat-killed cells and broth
- Activity is from multiple metabolites (undisclosed) produced during fermentation. The difference is in the production methodology
- Shelf life characteristics to be determined
- Post-emergent application to newly emerged weeds
- Pre-emergence activity with granular formulation
MBI-012 and MBI-013 – liquid formulations

Rate in gallons/acre on Palmer amaranth

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<td>Palmer amaranth</td>
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</table>
Crop safety to be determined – minor crops have yet to be evaluated

Spectrum of activity against major weed species yet to be determined, focus has been on pigweed family

Liquid, WDG and dry granular formulations in development

EPA submission date??

Final product should be NOP/OMRI compliant

Questions??