AgriSolutions™ InterLock™
Product Overview and Benefits
General Description

- Non-polymer adjuvant for drift reduction, improved deposition and depth of canopy penetration

Key Characteristics

- 3D Technology
  - Drift
  - Deposition
  - Depth
- Micron Maximization™
- Spray Pattern Consistency
- Low Rate
Tested and Trustworthy
- Extensive research testing and millions of acres
- Crop based

Convenience
- Convenient liquid formulation
- Low use rates
- May be used in inductors, injected, or added to the tank
- Compatible with herbicides, insecticides, fungicides, desiccants, spring defoliants
Efficacy/Performance

• Improves spray deposition and canopy penetration
• Reduces fine particles and spray drift
• Increases droplet speed
• Keeps spray droplet size in the effective range
• Does not thicken the spray like polymer adjuvants
• Does not adversely affect spray pattern
• Labeled for aquatic use
Use Rates

• Fungicides and insecticides- 2-4 fl oz/A (include Preference®)

• Herbicides, all formulations: 4-6 fl oz/A

Packaging

• 2x2.5 gallon jugs, mini-bulk, bulk
Drift – Best drift control

- Reduced drift
- Maintains spray pattern
- Works with air-induction tips
- Works with all product

Deposition – More active ingredient on the target

- Drift reduction
- Management of spray particle size
  - Minimizes evaporation
  - Faster droplets go deeper into canopy
Drift Reduction Is Visible at the Spray Tip

Without InterLock™

InterLock™
Comparing various pressures for droplet distribution as influenced by InterLock™

**Treatments**

- **Roundup PowerMAX™ 22 fl oz/A**
- **Roundup PowerMAX™ 22 fl oz/A + InterLock™ 4 fl oz/A**
- **Water alone**

10 GPA. Relative Span= (Dv90-Dv10)/Dv 50. Dv is the micron size at which X percent of the volume is that size and smaller. XR11002 Nozzle Klein and Golus, University of Nebraska, 2008
Comparing various nozzles for droplet distribution as influenced by InterLock™ and InterLock™ plus Preference®

- CP 80-10
- XR11008
- XR11006

Droplets <210 um (%)

Treatments
- Water alone
- InterLock™ 4 fl oz/A
- InterLock™ 4 fl oz/A + Preference® 0.25% v/v

Golus, University of Nebraska, 2007
InterLock™ – 4 oz/A, 10 gpa, no wind, XR Nozzle 6/2008
The water sensitive paper indicates that more spray reaches the target throughout the canopy.