Optimize pesticide applications

Gets more spray into the canopy and on target for superior performance

MasterLock® adjuvant combines InterLock® and DropTight™ technologies in one crop-based adjuvant to enhance spray coverage. This unique blend of cutting-edge formulations improves spray deposition, canopy penetration and spray droplet sticking and spreading, while reducing spray drift. MasterLock® adjuvant works effectively with fungicides and insecticides, and may be used with herbicides and other crop protection products.

MasterLock® adjuvant, with InterLock® adjuvant inside, considerably reduces the amount of fine particles in the spray pattern without thickening the spray (Figure 1). By keeping more spray droplets within the most effective size range, MasterLock® adjuvant helps improve coverage, increases canopy penetration, and reduces drift and evaporation of pesticides, whether they are applied by ground or air.

**Figure 1.**

**Without MasterLock®**

**With MasterLock®**

Spray droplets can be lost due to bounce and spattering and may bead up on the target surface, limiting contact area. The DropTight™ technology in MasterLock® adjuvant helps optimize droplet adhesion, which reduces bounce and increases droplet spreading for improved contact and coverage (Figure 2).

**Figure 2.**

**Without MasterLock®**

**With MasterLock®**

Increased droplet spread and adhesion with (right) and without (left) MasterLock® adjuvant.

Decrease in fine particles in the spray application with (bottom) and without (top) MasterLock® adjuvant.
Together, InterLock® and DropTight™ technologies facilitate deposition to help crop protection products stay on target, reach the pest and optimize performance.

Figure 3.

<table>
<thead>
<tr>
<th>Without MasterLock®</th>
<th>With MasterLock®</th>
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<td>Improved droplet adhesion and canopy penetration on soybean with (right) and without (left) InterLock® technology in MasterLock® adjuvant.</td>
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MasterLock® adjuvant is effective at low rates and does not negatively affect spray patterns like other drift-control adjuvants, even if air-assisted nozzles are used. For best product performance, select and use spray equipment properly, including boom height, and nozzle type, size and pressure.

**Application Rate**

- Ground: 6.4 ounces per acre
- Aerial: 1 gallon per 100 gallons (but not <4 ounces per acre)

**Ingredients**

- Modified vegetable oil, polyoxyethylene sorbitan fatty acid ester, vegetable oil and soybean oil, ethoxylated
- **TOTAL 100%**

**Packaging**

- 2 x 2.5-gallon jugs
- 275-gallon mini-bulk