

SuperLock™

QUESTIONS & ANSWERS

SuperLock™ adjuvant is a novel single formulation combining a high surfactant crop oil concentrate (HSCOC) with proprietary drift reduction technology (DRT). With flexible use and broad compatibility, it's built to provide a simple solution to boost herbicide performance.

If you would like more information, please contact your WinField® United representative or reference the additional resources listed below.

ADJUVANTS

How is SuperLock adjuvant different from other crop oils?

The formulation of SuperLock adjuvant is unique to WinField United because it combines HSCOC with proprietary oil emulsion DRT, giving you an edge when it comes to efficacy and ease of use. This combination helps ensure herbicides hit their intended targets and penetrate leaf surfaces, increasing yield and profitability potential through better weed control.

What makes this adjuvant so flexible?

SuperLock adjuvant is highly compatible across a wide variety of tank mix partners and many commonly used herbicides, including glufosinate, 2,4-D, clethodim, glyphosate and others. It is suitable for any pesticide label that recommends or requires the use of a crop oil or high surfactant oil concentrate. It has also been approved as a required oil system for tank mix applications of Enlist® One and Liberty® Ultra herbicides.

Does this adjuvant qualify as a drift mitigation measure by the EPA?

Yes, SuperLock adjuvant qualifies as a drift mitigation option within the Environmental Protection Agency Herbicide Strategy, under the Endangered Species Act.

Who does this product make the most sense for?

Growers looking for a proven, easy-to-use combination adjuvant they can trust to help enhance weed control and boost herbicide ROI potential. More specifically, SuperLock adjuvant is a strong fit for growers who are:

- Wanting to improve weed control performance for general herbicide tank mixes.
- Wanting the convenience of a DRT with a high surfactant crop oil concentrate in one solution.
- Looking to mitigate crop response with aggressive tank mixes.
- Needing a drift mitigation option for herbicides affected by the Endangered Species Act.

What geographies are the best fit?

SuperLock adjuvant is applicable wherever there is a need for a crop oil concentrate, including areas where crop injury may be a concern.

When can SuperLock adjuvant be applied?

It's designed for use during pre- and post- and burndown herbicide applications.

What are the use rate considerations for SuperLock adjuvant?

The recommended use rate is 0.5% v/v, but not less than 12 fluid ounces per acre. SuperLock adjuvant may be used whenever the label calls for a crop oil concentrate or high surfactant oil concentrate. It may be used at rates less than or equal to the standard oil rates recommended on the herbicide label.

Can you share the formulation details?

SuperLock's DRT performance meets the standard of other "Lock" brands from Winfield United: InterLock®, StrikeLock® and MasterLock®. The formulation contains 100% functioning agents and is loaded with 25% surfactant.

What data is available to back this adjuvant's performance?

Research teams at the WinField United Innovation Center in River Falls, Wisconsin, have been testing and collecting performance data on SuperLock adjuvant. This has led to extensive data and research, including more than 3,600 measurements in the wind tunnel, 112,000 measurements in the plant phenotyping lab and more than 5,500 plants sprayed in the greenhouse. In addition, field testing included 57 trials at 2,280 plots.