



The new adjuvant system for low volume, reduced drift, high deposition spraying

WHAT IS **Hi-Wett** ?

Hi-Wett is an organosilicone based super-spreader designed specifically for the application of contact and systemic crop protection products. **Hi-Wett** is a blend of organosilicone and other organic fluids formulated to not only give super-spreading properties on plant foliage, but also to improve the retention and deposition of spray droplets on all plant surfaces.

WHY IS **Hi-Wett** DIFFERENT FROM OTHER SPREADERS ?

Pure organosilicone super-wetters have the ability to reduce water surface tension so low that water (and pesticides) can flood into the leaf through the stomata very rapidly and give improved weed kill with herbicides but can also cause severe phytotoxicity in crops. Traditional Non-Ionic Surfactants (NIS) do not have the super spreading ability of an organosilicone (see charts). **Hi-Wett** has been specifically designed to **NOT** give stomatal uptake when used at recommended rates, yet still have super-spreading properties. Even as use rates increase and water volumes decrease (increased concentration), **Hi-Wett** will not increase stomatal uptake but will provide at least 8X the spread of a traditional NIS. The unique chemistry in **Hi-Wett** also provides increased deposition and retention keeping more of your crop protection products where they belong—on the plant.

WHAT DOES **Hi-Wett** DO?

Hi-Wett allows applicators to utilize lower water rates (10% to 20% of current rates) to obtain increased deposition of spray mixtures. This is accomplished by replacing the traditional coverage of high water volumes by increasing the spread of low water volumes with **Hi-Wett**.

—Hi-Wett essentially replaces water in the spray mix—

The use of lower water rates allows for cost savings (water, fuel, manpower) & increased operational flexibility (more acres sprayed per day, improved spray timing) while maintaining or increasing deposition. As applicators are now able to spray 5 times more acreage per fill up, the time needed to spray a piece of property is drastically reduced allowing much more timely applications of very important sprays.

IMPROVED DISEASE CONTROL FROM IMPROVED DEPOSITION WITH **Hi-Wett**

Improved deposition is meaningless if it doesn't translate directly into improved disease control. Multiple trials using **Hi-Wett** have demonstrated that the improved deposition from utilizing **Hi-Wett** does in fact translate into improved disease control, without changing other parameters surrounding use of pesticides (i.e. worker re-entry, pre-harvest intervals, residues etc.). Copies of the many trials conducted using **Hi-Wett** are available.

Chart #1--Surface Tension--Dynes/sq.cm

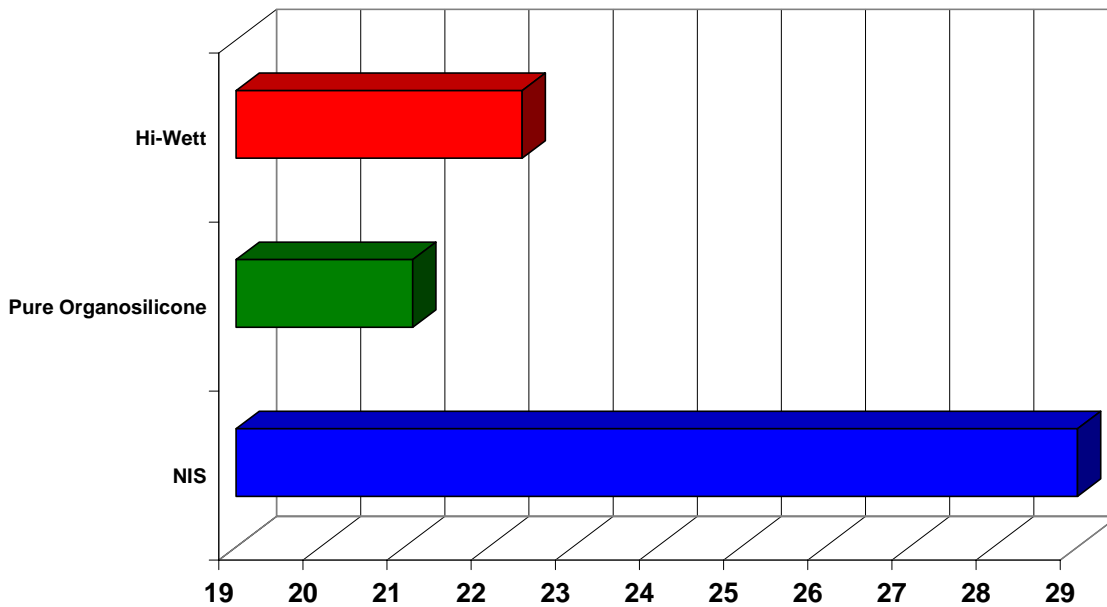
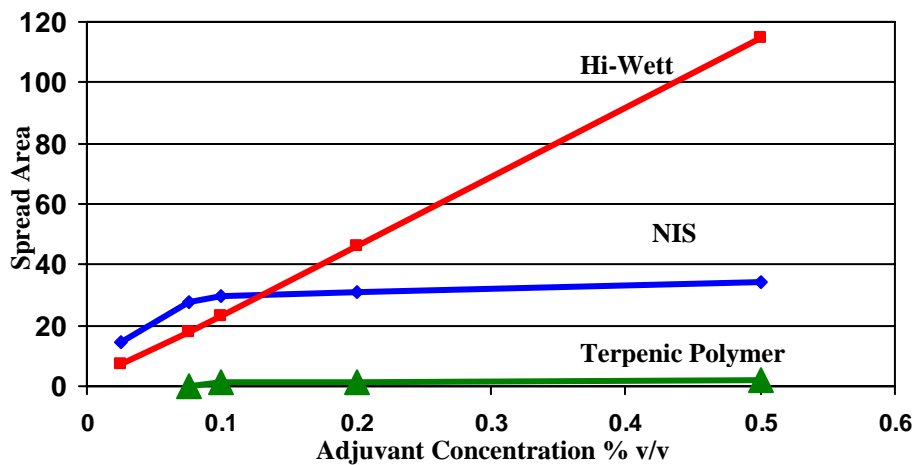


Chart #2--Spread Area of Wetters & Spreaders with Manzate (2.7lbs/acre)



- Better coverage on the plant surface
- Better deposition of chemical on the plant for the same chemical input
- Better disease and pest control due to increased coverage and deposition
- Better flexibility in sprayer and man-power utilization
- More acres sprayed per fill up saving water and time for fill up
- More accurate spray timing due to increased acreage sprayed per day

*Hi-Wett is a trademark of Elliott Chemicals Ltd