



Storm Through Weed Barriers

DUAL-ACTION ADJUVANT DELIVERY

The efficacy of oils with the safety of an NIS

- Innovative new adjuvant technology that captures the activity of both a non-ionic surfactant (NIS) and oil-based adjuvant to improve performance of herbicides, fungicides and insecticides.
- Adjuvants containing StorM Technology provide dual-action delivery of the active ingredient through dense molecular packing and smaller surface area to penetrate and translocate faster and more efficiently.
- Unlike traditional adjuvants, which are a blend of surfactants and oils, StorM Technology is a single integrated unit with elements that are molecularly bound together.
- StorM Technology is plant-derived with water attracting tendencies to encourage the plant to readily accept the pesticide as a friendly ingredient without deploying any defense mechanisms.

Molecular packing and structure provides optimal surfactant sizing to enhance pesticide activity on the leaf and in the plant

FASTER AND GREATER UPTAKE WITH STORM TECHNOLOGY



StorM Technology moving active ingredient (bromoxynil herbicide) through the leaf surface (black nightshade weed) over time.

FREQUENTLY ASKED QUESTIONS

What makes StorM Technology different than traditional adjuvant chemistry?

The unique molecular structure of StorM Technology produces a higher affinity to pesticides and provides dual action delivery of the active ingredient. Smaller particle size combined with more active ingredient in each droplet results in better coverage and leads to better uptake by the plant. In short, StorM Technology delivers the efficacy of oils with the safety of a non-ionic surfactant (NIS).

How can StorM Technology be both oil and water loving?

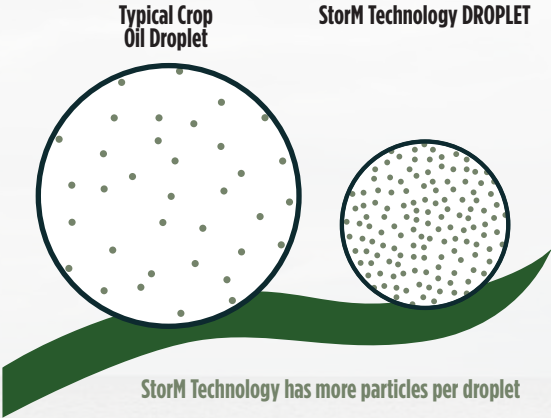
Unlike traditional adjuvants, which are a mixture of surfactants and oils, elements contained in StorM Technology are molecularly bound together in a single integrated molecule delivering adjuvant activity. This allows StorM Technology to perform well across an impressive range of many agrochemical formulations and active ingredient types because it contains both oil and surfactant characteristics in a single molecule.

What gives StorM Technology a stronger attraction to pesticides?

StorM Technology has a much greater affinity for the pesticide with which it is being mixed. This is due to the unique positioning of the ethylene oxide bonded to the interior of the triglyceride structure. The result is a properly oxygenated molecule with an increased ability to associate with the pesticide. This molecular structure allows StorM Technology to serve as an escort for the active ingredient through plant tissues to the site of activity rather than just sitting on the plant surface.

Dense Molecular Packing

Smaller molecule size carries a higher population of active ingredient in every droplet.



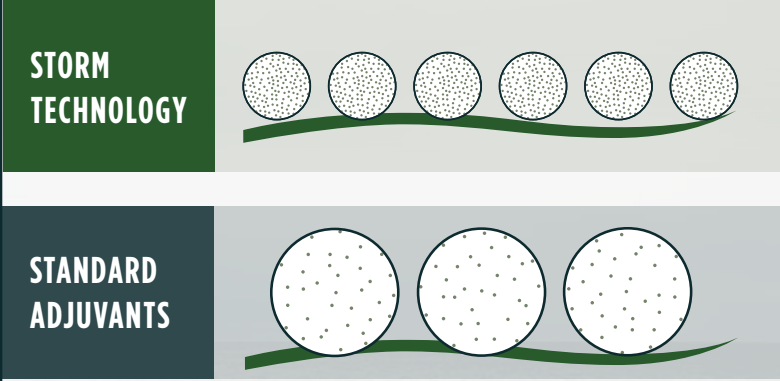
Typical Crop Oil Droplet StorM Technology DROPLET

StorM Technology has more particles per droplet

Molecular packing of StorM Technology delivers more active ingredient particles per droplet for improved spray performance.

Better Leaf Coverage

Smaller droplet size provides more contact points on the leaf surface for quick and efficient delivery of the active ingredient into the plant.



STORM TECHNOLOGY

STANDARD ADJUVANTS

Adjuvants containing StorM Technology can more densely populate the treated surface with surfactant droplets than conventional adjuvant technology.

Notes
