

VOLARE DC™

AERIAL DRIFT RETARDANT, DEPOSITION AID AND HIGH SURFACTANT OC



THE SITUATION

Aerial applicators are under ever increasing pressure to cover more acres while delivering timely and on-target applications of crop protection products. To keep up with the growing demand, many aerial applicators have increased the load capacity of their planes, as well as application speed. This increased efficiency can adversely affect the performance of ordinary drift retardants and ultimately reduce on-target applications.

THE PROBLEM

Recent research conducted by the USDA at College Station, Texas, has shown that many commonly used drift retardants actually increase the amount of driftable spray fines under 200 microns in size. This may be caused by ordinary drift retardants "oversizing" the spray droplets. Most drift retardants used for ground and aerial application are designed to increase spray solution viscosity to form larger spray droplets that are less vulnerable to drift. While this has been an effective practice in ground applications, it is proving to be ineffective in aerial applications. Research shows that oversized spray droplets can break apart when exposed to wind shear at application speeds over 125 mph, resulting in smaller droplets that are more susceptible to drift off-target.

THE ILLUSION

Larger droplets formed by ordinary drift retardants that are under the "oversized threshold" can survive wind shear. These droplets produce the illusion that the spray pattern is dropping faster than it really is. The reality is that only those droplets are dropping faster and the increased volume of smaller droplets that were spawned from the oversized droplets remain suspended and vulnerable to off-target movement.

THE SOLUTION

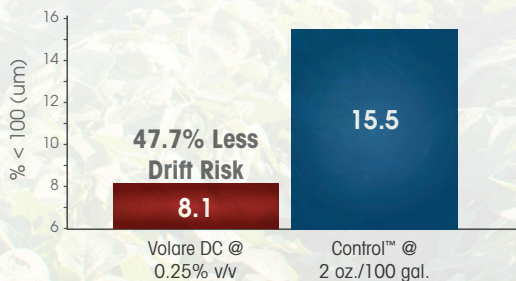
Volare DC™ is a unique aerial adjuvant technology specifically developed to deliver improved drift control, deposition and coverage when applied through high-speed aerial application equipment.

Volare DC optimizes droplet size and deposition by "right-sizing" spray droplets to resist wind stream shear that ruptures oversized droplets formed from ordinary drift retardants.

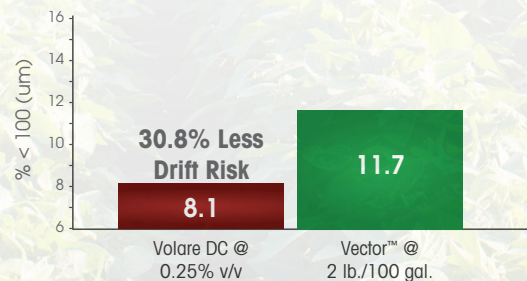
VOLARE DC

- Specifically formulated for aerial application
- Delivers improved drift control, deposition and coverage in a single unique formulation
- Easy-to-use, nonpolymeric technology that won't gel or thicken spray solutions
- Significantly outperforms ordinary drift retardants
- Convenient, low-use-rate of 2–4 pints/100 gal.
- Superior compatibility

VOLARE DC VS. COMPETITIVE PRODUCT C*



VOLARE DC VS. COMPETITIVE PRODUCT V*



*Evaluating Drift when Spraying an Active Ingredient Tank Mix Solution with and without Additional Adjuvants
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Vector is a trademark of MidTech R&D, Inc.

Specialized chemistries that enhance plants, seeds, soil and water.
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