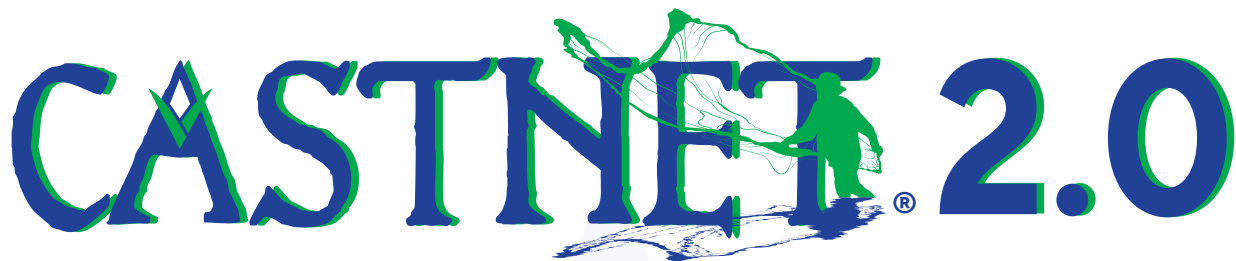


CASTNET[®] 2.0



NON-AMS WATER CONDITIONER, SURFACTANT, DRA/VRA

CASTNET[®] 2.0 from Crop Excellence[®] is a three-way, multifunctional adjuvant that has been formulated for the next generation Dicamba herbicides that specify no ammonium sulfate (AMS) be added to the tank mix. **CASTNET[®] 2.0** contains NON-AMS based water conditioners, surfactant, and a polyacrylamide based drift and volatility reduction agent.

CASTNET[®] 2.0 improves the retention and wetting of pesticides, potentially increasing the efficacy and weed control of a tank mix. Surfactants reduce the surface tension and contact angle of a tank mixture's spray droplets, allowing a thin layer to form on the surface of a leaf, which maximizes coverage, increasing efficacy.

Water-Hardness? It's time for **CASTNET[®] 2.0**

What causes hard water? Cations like Ca and Mg are the primary culprits. They come from limestone deposits that seep into the ground water. Ca- and Mg-cations interact with negatively charged active pesticide molecules, emulsifier, or dispersants in the formulation and cause a reduction in their activity. For example, in Glyphosate formulations, these cations interfere with the pesticidal performance by forming a Glyphosate-cation complex that is not as readily absorbed into the leaves, resulting in reduced herbicidal efficacy. The water conditioner component in **CASTNET[®] 2.0** contains buffering and chelating agents, which aid in maintaining the proper pH and block hard water cations from interacting with the pesticide molecule.

CASTNET[®] 2.0 uses the proven technology of a polyacrylamide based DRA/VRA with thirty years of established performance in the crop protection industry across multiple geographical areas and pesticide technologies. Polyacrylamide DRA/VRA's work by modifying the viscosity of a spray solution; to reduce driftable fines, improve pesticide deposition, and increase crop canopy penetration for improved target application.

Key Benefits of **CASTNET[®] 2.0**:

- ✚ All in one, multifunctional adjuvant
- ✚ Compatible with most nutritionals
- ✚ Compatible with most water soluble, emulsified, and wettable powder pesticides
- ✚ Helps reduce spray drift by increasing droplet size in the spray pattern

Approved as a Drift + Volatility Reduction Adjuvant (DRA/VRA) with the following tank mix partners:

- | | |
|---|---|
| ✚ Xtendimax [®] with VaporGrip [®] Technology | ✚ FeXapan [®] with VaporGrip [®] Technology |
| ✚ Tavium [®] Plus VaporGrip [®] Technology | ✚ Engenia [®] + Engenia [®] ProHerbicide |
| ✚ Enlist One [™] | ✚ Enlist Duo [®] |

