



New

Aqua-Drive Elite Bio™

Bio-Activated
Soil Wetting Agent

Combine Aqua-Drive Elite and Bioalgae for a hybrid soil wetting agent with best-in-class soil wetting technology and biological activation. Together, they create a superpower solution to deliver increased water efficiency, soil health and nutrient performance. The source materials are stable in saline and alkaline water and rewet over multiple irrigation or precipitation cycles.

The reverse block polymer technology combined with the superfoods in Bioalgae increase water infiltration, moisture retention and root development in hydrophobic, saline and biologically depleted Western soils. Reverse block polymers drive deeper in the soil. Bioalgae reactivates and fuels development of dormant native soil microbes in and fungi which improve soil quality, moisture retention and porosity.

CONTACT INFORMATION

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DUAL-ACTION PERFORMANCE: Combines high performance non-ionic reverse block polymers with microalgae based feeding for soil biome to improve both water movement and soil biology.



INCREASES SOIL MOISTURE RESERVES: Improves retention and availability of moisture in the root zone.



SAVES WATER: Supports improved infiltration and water holding capacity, helping growers to get more value from each irrigation event.



REWETS OVER MULTIPLE IRRIGATIONS: Sustains wetting throughout repeated irrigation or rainfall cycles throughout 45-60 days.



SUPPORTS ROOT DEVELOPMENT: Promotes root elongation and branching deep in the soil.



IMPROVES SOIL STRUCTURE: Enhances aggregation and soil porosity in sandy, saline and bicarbonate-laden soils.



NON-REACTIVE AND STABLE: Performs in saline and alkaline irrigation water.



VERSATILE CROP APPLICATION: Suitable for row crops and premium crops such as fruit, nut berry and specialty vegetable.



Aqua-Drive Elite Bio™ — Bio-Activated Soil Wetting Agent

Formulation Components

	Description	Function	Benefit
Poloxalene	Nonionic surfactant	Lowers surface tension, helps water spread, penetrates into soil pore spaces	Improves initial wetting of hydrophobic soils, aids infiltration, remedies chronic dry spots
Alkyl Polyglucoside	Biodegradable starch nonionic surfactant which is low in toxicity	Provides strong wetting and spreading, creates water films around soil particles to improve water distribution in soil	Safe for crops, sugars in starch benefit crops and microbes
Vegetable Oil Ethoxylate	Natural vegetable oil nonionic surfactant	Increases emulsification and spreading characteristics of irrigation water and precipitation	Solubilizes hydrophobic residues, increases water movement around organic coatings, supports more uniform moisture reserves



How It Works

	Benefit
Reverse Block Polymer Soil Wetting Technology	Reduce surface tension of the water droplet Reduced tension drives water more deeply into the soil Enhances water movement through soil pore spaces
Biological Activation Technology	Microalgae provides carbon, carbohydrates, lipids and protein Feeds dormant microbes and fungi Stimulates nutrient cycling, root growth and soil aggregation
Reverse Block Polymers + Microalgae	Transforms hydrophobic soils AND rebuilds soil Biology Drives water savings, feeds microbes, stimulates roots Delivers physical, chemical and carbon in a single application



Reverse Block Polymers + Microalgae Formulation Highlights

Component Platform	Reverse Block Polymers Non-ionic Surfactants Marine-derived Microalgae
Role in Performance	Improve infiltration movement and rewetting Support spreading, penetration, tank mix Provides carbon, carbohydrates, lipids, proteins

Container Sizes



2 X 2.5 Gal. Jug

55 Gal. Barrel

250 Gal. Tote

Recommended Program

Spring Startup: 4-6 quarts/ac in irrigation at first spring watering to break up hydrophobic soil layers and establish uniform wetting patterns.

Mid-Season: 2-4 quarts/ac every 45 days during peak growth to maintain soil permeability.

