

OPTIMIZE OVERVIEW

Optimize can also come with an optional Micro-Nutrient pkg for in season applications containing 1% Boron 1% manganese 1% Zinc & 5% Sulphur

Feature: pH Adjuster

How it works: a combination of Acids neutralize bicarbonates in water increasing hydrogen-ion concentration lowering the water pH (Acetic Acid) (Phosphoric Acid) (Citric Acid)

Purpose: a lower pH water will loosen the naturally produced wax layers on the leaf that prevent chemicals and nutrients from being absorbed by the plant

Feature: Softens water

How it works: a combination of amino & citric acids bind with calcium and magnesium in water reducing the water hardness

Purpose: Soft water will prevent calcium from binding with glyphosates helping in prevent loss and maintain chemical efficacy

Feature: Penetrating agent

How it works: optimize contains 25% Amino acids making applied products instantly available to the plant for uptake

Purpose: A penetrating agent will help get you foliar application faster and reduce loss of applied nutrients and chemicals to rain, wind and evaporation

Feature; Anti-Drift Agent

How it works: Optimize has a unique wetting agent and a surfactant blend that binds with water to make the water heavier in a fine mist, which helps in proper droplet deposition and coverage on target crop foliage.

Purpose: a drift agent is a common and extremely important tool to use when applying any spray applications to prevents chemicals from causing damage to nearby crops and water ways. An Anti-drift agent will help keep your foliar applications on your field when spaying in up to 30mph winds

Feature: Plant Stress Reliever

How it works: optimize has a 3-10-0 bio-stimulant in amino acid form to prevent plant stress on your crops when spraying chemicals that add temporary stunt growth to your crops.

Purpose: preventing plant stress will help maintain a healthy plant throughout the growing season maximizing its yield potential and reduce risk of disease or suppression

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Optimize[®]
6-in-1 spray booster

Feature: color indicator

How it works: Optimize has a pH sensitive dye that changes color based on the pH of the water. As the water gets acidic from alkaline, the color changes from clear to yellow when water pH is close to 7.0 to pinkish orange when pH is closer to 5 and red when pH is below 4.

Purpose: Having a built-in color indicator lets you know when your pH and water hardness is optimized, there is extreme variabilities in water qualities so having this feature allows you to know when you have added an appropriate amount of product to maximize your inputs.

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Feature: Wetting agent

How it works: optimize wetting agent reduces surface tension of water allowing to disperse evenly over the plants leaf

Purpose: a wetting agent will assist in dispersing droplets covering the plant and prevent large water droplets from binding and being lost to evaporation

Commonly used competing products

LI 700

Drift reducer, penetrating agent, pH adjuster

Inter-Lock

pH Adjuster, drift reducer

Oculus

Drift reducer, surfactant, pH adjuster



Average usage rate 5liters per 1000gallons of water.

.75 to 2.50 per acre on average

OPTIMIZE OVERVIEW

Optimize[®]
6-in-1 spray booster

Cropland[®]
Solutions Inc.
EMPOWERING FARMERS
croplandsolutions.com

Optimize[®]
6-in-1 spray booster

Features and benefits:

- Acidifies spray water to maintain the pH between 4.5 to 5.5.
- Changes the color of the water to indicate correct pH for foliar spray.
- Reduces hardness caused by salts present in the water and makes it safe for spraying on crops.
- Reduces surface tension of water and increases adhesion.
- Acts as an adjuvant and a spray drift reducer.
- Amino acid complexes bind with nutrients in the water and makes it available to the crop.
- Increases herbicide and pesticide penetration and retention on crop foliage.
- Contains Organic and inorganic acids in a pH buffer matrix.
- Contains 3% Nitrogen and 10% Phosphorous which feeds nutrients to the plants while spraying.
- Safe to use - Does not burn skin or hands.



Guaranteed minimum analysis:

Total Nitrogen.....3%
Available Phosphoric Acid.....10%
Contains Hydrolyzed Soy

Acidic
1pH - 4.5pH

Optimum
4.5pH - 6.0pH

Alkaline
6.0pH - 12pH

For Optimizing Water:

Water hardness type	Foliar application Required pH (4 -5) Final water colour: PINK	In-furrow or Soil application Required pH (6.5 - 7) Final water colour: YELLOW or Orange
SOFT	1.5 ml per liter	Not recommended
MEDIUM	2.0 ml per liter	1.0 - 1.5 ml per liter
HARD	2.0 - 2.5 ml per liter	1.5 - 1.75 ml per liter
VERY HARD	2.5 - 2.75 ml per liter	1.75 - 2.0 ml per liter

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