



CROP AID NUTRITION



Healthier Soil Healthier Crops Healthier Bottom Line



@crop_aid

www.cropaidnutrition.com



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Kelp & Lignin

Kelp - an excellent bio-stimulant - and **Lignin** - a high-quality source of carbon and nitrogen - are both ingredients of Crop Aid Plus™, Crop Aid Seed and Crop Aid Seed Plus. Together they **boost the health of the rhizosphere** which is hugely influential in a crop's ability to absorb both fertilizer applications and nutrients that are bound up in the soil. With superior access to nutrients, **plants are healthier, are better able to fight off diseases and pests, and produce greater yields.**

Rhizosphere

The Rhizosphere is **the area of soil immediately surrounding the roots of all plants**, and home to millions of beneficial bacterial colonies. These essential **micro-organisms refine and concentrate fertilizer applications and soil nutrients**, which plants take up. As plants come under stress, they excrete sugars into the rhizosphere, further encouraging the colonies to refine nutrients which they use to stay strong. In other words, **healthy rhizospheres = healthy crops**

Quality Ingredients

EDTA means each micronutrient has an organic compound (chelate) around it. In the soil, **chelates improve the seed/root's ability to take up nutrients** and keeps them from being tied up in the soil. In a foliar application, the chelate allows the nutrient to pass through the waxy leaf much easier. Once absorbed, the chelate breaks down and the nutrient is released and utilized by the plant. **Crop Aid uses only high-grade ingredients, including EDTA micronutrients.**

Quality Water

Most farms use water for spraying that is filled with minerals, salts, metals and other contaminants. The pH of this poor-quality water can range from 7-10. The ideal water pH for glyphosate is 5.0-5.5, so **adjusting the pH of water is essential**. Crop Aid Citric Acid is easy to use. In addition to being a mild chelate, it helps to lower the pH of water to the desired level. **With proper water pH, you get better efficiency from the chemicals you apply.**

**CROP AID
CITRIC
ACID**

Normalizes water pH and ties up TDS (contaminants) which **improves tank mixes and absorption by the plants**

**CROP AID
PLUS**

Enhances and promotes beneficial soil biology which **improves fertilizer and nutrient uptake to the plant** and reduces soil compaction

**CROP AID
SEED**

Boosts rhizosphere health by encouraging microbial colonies at the seed and roots which **improves seed germination and vigor**

**CROP AID
SEED
PLUS**

Adds 4 strains of mycorrhizal fungi responsible for over 50% of uptake of phosphorus in plants, and enhances water & nutrient uptake

**CROP AID
FOLIAR
FERTILIZER**

Provides much needed micro-nutrients at critical stages of growth which **maximizes plant health and increases yield**

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Ingredients: Kelp extract, Lignin extract, Zinc EDTA, Iron EDTA, Manganese EDTA, Boron
Application and Timing: Spray with pre-burn herbicides OR inject in seed row with liquid fertilizer at sowing AND spray in crop with herbicide, fungicide or insecticide application. Safe to mix with most herbicides, fungicides and insecticides *
Application Rates: 2-3 applications of 250 ml/acre each during growing season



Ingredients: Kelp extract, Lignin extract, Nitrogen 2%, Phosphorus 6%, Potassium 1.5%, Sulphur 1%, Boron, Manganese EDTA, Iron EDTA, Zinc EDTA
Application and Timing: Liquid solution is applied directly onto seed at any time prior to seeding. Safe to mix with most fungicides, insecticides and inoculants *
Application Rates: 100 ml/bushel. Add water if necessary to achieve optimal seed coverage



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Application Rates: 100 ml/bushel. Add water if necessary to achieve optimal seed coverage

Crop Aid Rebound 7-13-0-5

Ingredients: Boron, Manganese EDTA, Iron EDTA, Copper EDTA, Molybdenum EDTA, Zinc EDTA



Crop Aid React 4-3-6-10

Ingredients: Boron, Manganese EDTA, Copper EDTA, Molybdenum EDTA, Zinc EDTA (micronutrient levels are almost double compared to Crop Aid Rebound)
Application Recommendations: Apply directly onto plant foliage with conventional agriculture or aerial sprayers. Safe to mix with most herbicides, fungicides and insecticides *
Application Rates: 1 litre/acre; 1-3 times per season
Application Timing: Cereal Crops : 4-6 leaf stage and flag to early heading stage
Pulse Crops: 2-4 leaf stage and early flowering
Oil Seeds: 2 leaf up to early bolting stage



Ingredients: Citric Acid
Application Rates: Amount added depends on pH of water; use supplied pH kit to determine how much Crop Aid Citric Acid to add

* Jar tests are always recommended

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