

AGRO MOS®

Nutrition and enzymes to fortify plants' own natural defenses.

Biotechnology is revolutionizing agricultural production, with more sustainable solutions that are less stressful on plants and the environment.

Alltech Crop Science solutions for crop protection provide the balanced nutrition needed for plants' natural defenses, giving them the capacity to defend themselves against various environmental stresses.

Used separately or as part of an integrated pest management program, these solutions support plant vigor so that each crop can reach its maximum yield and quality potential.



*Backed by plant
nutrigenomic research*

Based on Alltech's nutrigenomics research on *Saccharomyces cerevisiae* SP.1026, AGRO-MOS provides nutrition essential for plants' natural defenses. Well-nourished plants have more effective defense systems that can readily respond to shifting stresses.



Through precise nutrition, improves plant vitality in the face of external stresses.



Nutrients unlock plant's own defenses.



Complements pest management programs while avoiding synthetic residues.



OMRI Listed for use in organic crop production.

GUARANTEED ANALYSIS

Copper (Cu).....4.0%

Derived from copper sulfate

Also contains:

- Bacterial fermentation media (microbial food)
- Brewer's yeast



Beneficial microbes and the metabolites they naturally produce can offer new, naturally derived alternatives to conventional chemicals. These products allow for consistent, sustainable crop production that doesn't compromise quality or profitability.

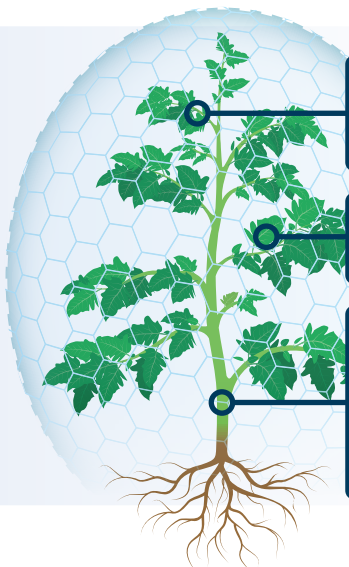


Alltech is a pioneer in nutrigenomics, the study of how plants naturally respond to nutrients and other bioactive compounds at a genetic level. This enables us to formulate fertilizers and biostimulants that activate natural plant mechanisms, optimizing plant health and performance for better quality and greater yields.

What role does nutrition play in integrated pest management?

Just as humans require vitamin C, zinc, calcium and other vitamins and minerals to stay healthy, plants that are well-nourished also have more effective defense systems.

- In plants, a ready supply of micronutrients such as zinc, copper and manganese is essential to optimal cell integrity and plant vigor in the face of external stresses.
- Proactive nutrition is an essential part of integrated pest management and can help reduce the need for corrective intervention later in the season.



Often used in pest management programs, **copper** is essential to many biochemical functions, including photosynthesis and respiration.

Foliar application means quick results and easy integration into existing management programs.

Applying Alltech microbial and nutrigenomic expertise, AGRO-MOS is uniquely formulated with **bacterial fermentation media** and **brewer's yeast**. According to Alltech Crop Science research, these powerfully influence gene expression across a wide variety of crops.

AGRO-MOS *recommendations for use*

Always read and follow label directions. Confirm state registration prior to use.

Apply AGRO-MOS at 16–32 oz per acre. Can be applied with most regular fungicide and/or insecticide application programs. **Always perform compatibility testing when tank-mixing with other chemicals.**

Contact your local Alltech Crop Science specialist for specific recommendations or with any questions.

Crop		Application timing
FRUITS	Berries	16 oz/acre 1 week after transplant. Repeat every 2 weeks.
	Citrus Fruits	16 oz/acre at first flush. Repeat every 40 days.
	Deciduous Tree Nuts	16-32 oz/acre at petal fall. Repeat every 2-3 weeks at 16 oz/acre or monthly at 24-32 oz/acre.
	Grapes	16 oz/acre at 3-4 leaves. Repeat every 2 weeks for 6-8 applications. For table grape coloring, apply an additional 16-32 oz/acre 3-4 weeks prior to veraison and repeat 1-2 weeks prior to veraison.
	Pome & Stone Fruits	16 oz/acre every 2 weeks beginning at 2" shoot length.
VEGETABLES	Bulb crops	16 oz/acre 1-2 weeks after transplant (foliar/drip irrigation). Repeat every 2 weeks.
	Cole & Cucurbits	16 oz/acre 1 week after transplant. Repeat every 2-3 weeks.
	Leafy Greens	16 oz/acre 1 week after transplant. Repeat every 2 weeks.
	Peas	16 oz/acre beginning pre-bloom (foliar/drip irrigation). Repeat every 2 weeks.
	Flower and Fruiting Vegetables	16 oz/acre 1 week after transplant (foliar/drip irrigation). Repeat every 2 weeks.
	Potatoes	16 oz/acre at emergence (foliar/drip irrigation). Repeat every 2 weeks.
	Root crops	16 oz/acre beginning at 40 DAE. Repeat every 2-3 weeks for a total of 4 applications.
OTHER	Cereals, Small Grains	16 oz/acre beginning at end of tillering. Repeat every 2 weeks.
	Turfgrass, Sod	16 oz/acre every 2 weeks during growing season.



Contact your local Alltech Crop Science specialist for more information.

Alltech[®]
CROP SCIENCE