

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.



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.



Verified for use in organic crop production.

GUARANTEED ANALYSIS

Sulfur (S).....2.0%

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.

AGRO-MOS *recommendations for use*

Apply AGRO-MOS at 16-32 oz (480-960 mL) per acre. AGRO-MOS 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
Beans (field)	16 oz (480 mL) per acre every 2-3 weeks, beginning at 4-leaf stage.
Blueberry	16 oz (480 mL) per acre every 2 weeks, beginning at leaf expansion.
Carrots, Beets, Root vegetables	16 oz (480 mL) per acre every 2-3 weeks, beginning at 40 DAE.
Cucumber, Pumpkin, Squash	16 oz (480 mL) per acre every 2 weeks, beginning 1 week after transplant.
Grapes (table)	16 oz (480 mL) per acre every 2-3 weeks, beginning 1 week after transplant.
Grapes (wine)	6-8 applications of 16 oz (480 mL) per acre every 2 weeks beginning at sprouting (8" branches), until just before maturation.
Peas	16 oz (480 mL) per acre every 2 weeks, beginning 1 week after transplant.
Pome fruits, Stone fruits	16 oz (480 mL) per acre every 2-3 weeks, beginning at 2" shoot length.
Potatoes, Peppers, Tomatoes	16 oz (480 mL) per acre every 2 weeks, beginning 1 week after transplant.
Strawberries & Vine berries	16 oz (480 mL) per acre every 2 weeks, beginning 1 week after transplant.
Sugar beets	16 oz (480 mL) per acre every 2-3 weeks, beginning at 3-4 weeks after planting.
Turfgrass	16 oz (480 mL) per acre every 2 weeks during growing season.

What role does nutrition play in integrated pest management?

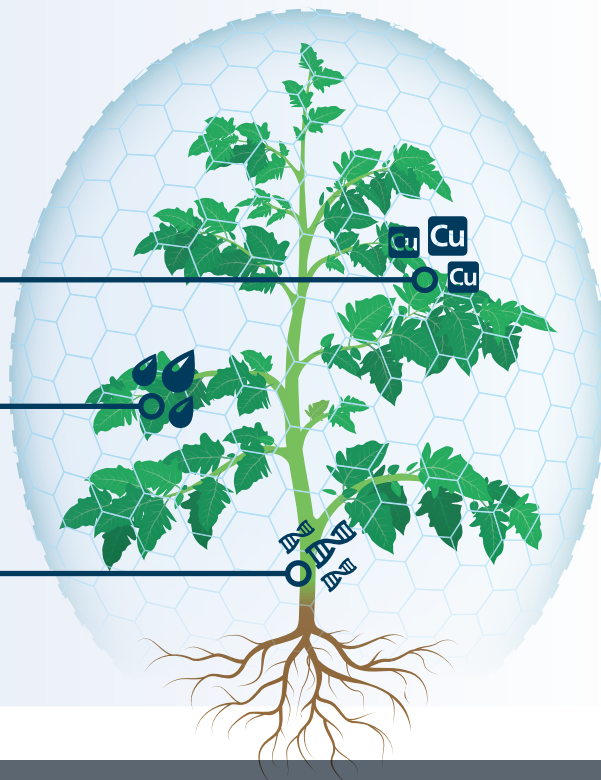
Just as humans require vitamin C, zinc, calcium and other vitamins and minerals to stay healthy, plants that are well-nourished also have more effective defense systems.

- 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.



Contact your local Alltech Crop Science specialist for more information.

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CROP SCIENCE

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