

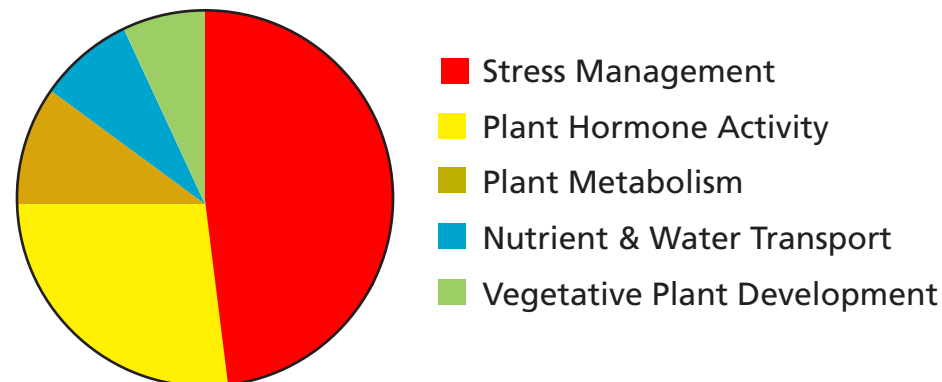
MEGAFOL®

A Scientifically Designed Biotic Extract from Multiple Plant Sources Creating A New Fertilizer Supplement for High Yield Field Crop Production

Impact On Plant Genetic Expression:

Using powerful new research analytical tools, University scientists have identified the mode of action of MEGAFOL using plant genome sequencing.

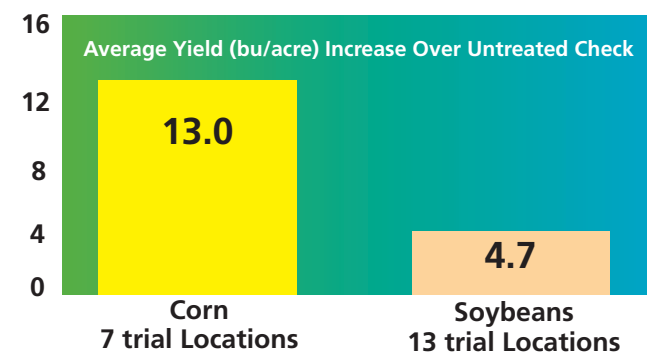
In these studies, it was determined that 118 plant genes are up-regulated/induced when MEGAFOL is applied, including genes involved in the following plant functions:



By enhancing the activity of these genes, MEGAFOL can be a foundation product in high yield crop production programs.

Research Results

The following data represents replicated third party trial results over three years when MEGAFOL was applied early postemergence in tank mixtures with glyphosate:



MEGAFOL®

Using Natural Enzymes in a Foliar Fertilizer to Help with Stress Recovery and Improved Crop Productivity

MEGAFOL is a “results-oriented” foliar fertilizer that increases nutrient uptake and improves the ability of a crop to recover from stressful growing conditions. And that can increase yields and quality.

MEGAFOL contains amino acids extracted from vegetable matter through enzymatic hydrolysis, which helps maintain their quality and integrity. Plants synthesize proteins from the amino acids, which accelerates plant metabolic activity and improves nutrient uptake.

- *Increases plant metabolic activity for better nutrient uptake during naturally stressful periods (vegetative growth, bloom, fruit set/sizing, ripening)*
- *Enhances leaf absorption and translocation of foliar-applied nutrients*
- *Enables crop to resume normal growth following external or internal stresses*
- *Supplements normal fertility program for higher yield and quality potential*
- *Contains Nitrogen and Potassium in highly soluble and mobile forms*

Consult your Helena representative for rates, application timing and crops.



MEGAFOL®

GUARANTEED ANALYSIS

Total Nitrogen (N)	4.0 %
4.0 % Water Soluble Organic Nitrogen (N)	
Soluble Potash (K ₂ O)	2.0 %

Derived from: Protein Hydrolysate; Potassium Hydroxide and plant extracts

Crops, Rates & Application:

GENERAL INFORMATION

MEGAFOL is a liquid foliar fertilizer specially formulated to improve the quality and vigor of fruits, vegetables and field crops. MEGAFOL is a concentrated solution containing highly soluble and mobile Potassium and Nitrogen. Applications of MEGAFOL have been shown to benefit plant growth and improve fruits, vegetables and field crops quality. MEGAFOL is intended to supplement standard fertility programs and is a readily available source of nitrogen and potassium.

FOLIAR APPLICATION RATES AND TIMINGS

Crop	Rate	Spray Volume	Application Timing
Vegetable crops <i>Including but not limited to: pepper, eggplant, zucchini, melon, water melon, cucumber, tomato, cole crops, leafy vegetables, etc.</i>	2-3 pints per acre	Use 2pts/acre in low volume applications (10-25 gal/acre) and 3 pints /acre in higher water volumes	1 st application after transplanting then every 10-14 days
Fruit crops <i>Including but not limited to: apples, cherries, citrus, pear, stone fruit, kiwi, raisin, table and wine grapes, berry crops such as blueberries, cranberries and strawberries, etc.</i>	2-3 pints per acre	Use 2pts/acre in low volume applications (10-25 gal/acre) and 3 pints /acre in higher water volumes	In general, apply every 10-14 days Apples and pears: pre-bloom, vegetative growth, fruit set Stone fruit: vegetative growth, after set. Strawberries: after fruit set, fruit enlargement Blueberries: Pink bud, then every 10 days (1 quart /acre rate). Grapes and kiwi: vegetative growth, pre-bloom, after fruit set
Nut crops <i>Including but not limited to: almond, pecan, pistachio, walnut, etc.</i>	2-3 pints per acre	Use 2pts/acre in low volume applications (10-25 gal/acre) and 3 pints /acre in higher water volumes	Vegetative growth then after setting
Field crops <i>Including but not limited to: corn, cotton, peanuts, potatoes, rice, soybeans, sorghum, sugar cane.</i>	1-2 pints per acre	Use 1 pt/acre in low volume applications (3-10 gal/acre) and 2 pints /acre in higher water volumes	Mid-vegetative. Can be mixed with herbicides (including glyphosate) and fungicides. Repeat applications may be made

<i>sugar beets, wheat, etc.</i>			every 10-14 days.
Forage crops <i>Including but not limited to: alfalfa, timothy, fescue, etc.</i>	1-2 pints per acre	Use 1 pt/acre in low volume applications (3-10 gal/acre) and 2 pints /acre in higher water volumes	Apply when plants are 3-6 inches high before first cut, and then 10-14 days before each cut

MEGAFOL®

DRIP/TRICKLE IRRIGATION/IN-FURROW/SIDE DRESS APPLICATION RATES

Crop	Rate	Timing
Berries <i>Including, but not limited to: blueberries, cranberries and strawberries, etc.</i>	1 st and 2 nd application 2.0-3.0 pints/acre, 3 rd application 2.0-3.0 pints/acre	1st application 14 - 21 days after transplant. 2nd application at pre-bloom. 3rd application at fruit growth.
Vegetables <i>Including but not limited to: pepper, eggplant, zucchini, melon, water melon, cucumber, tomato, cole crops</i>	2.0 – 3.0 pints per acre	1st application 14 - 21 days after transplant. 2nd application start of bloom. 3rd application at fruit enlargement.
Legumes <i>Including, but not limited to peas, beans etc</i>	1.0 – 2.0 pints per acre	1st application at 2nd - 3rd true leaf. 2nd application 14 - 21 days after 2nd - 3rd true leaf. 3rd application 10 - 15 days after 2nd application
Leafy vegetables <i>Including but not limited to: lettuce, celery etc.</i>	2.0 – 3.0 pints per acre	1st application 7 - 10 days after transplant. Additional applications every 14 - 21 days
Field crops <i>Including but not limited to: corn, cotton, peanuts, potatoes, rice, soybeans, sugar beets, wheat, etc.</i>	1.0 – 2.0 pints per acre	In furrow or 2x2 with starter
Tree Crops <i>Including but not limited to: apples, cherries, citrus, pear, stone fruit, kiwi, almond, pecan, pistachio, walnut, etc</i>	2.0 – 3.0 pints per acre	1st application at bloom. 2nd application after fruit set.
Wine Grapes	2.0 – 3.0 gallons per acre	1st application at bloom. 2nd application after fruit set.
Table Grapes	2.0 – 3.0 gallons per acre	1st application at the 2 - 3 centimeter shoot stage. 2nd application at open cluster (pre-bloom). 3rd application at the 3 - 4 millimeter fruit stage
Flower Crops	2.0 – 3.0 gallons per acre	1st application 14 - 21 days after transplant. Subsequent applications every 7 - 10 days.
Bulbs/Tubers	2.0 – 3.0 gallons per acre	1st application at early development 2nd application at pre-bloom.

This label information was taken from a recent label. Always refer to the actual label on the product for content, mixing, registered crops and application information.