

General Information

M-P-A™ is a biostimulant & soil micronutrient package recommended for use on grain and other grass crops. It is designed to promote nutrient penetration, uptake, and utilization through its proprietary formulation and blend of micronutrients, plant extracts, surfactants, natural polysaccharides, carboxyl phenolic acids, glucosamine, and EDTA.

M-P-A™ can be used to prevent or correct trace element deficiencies. This product combines trace elements with glucosamine, a powerful chelating agent, which makes them readily available for rapid absorption by the root system. Because trace element deficiencies usually occur when plants are small, **M-P-A™** should be added to fertilizer such as 10-34-0 (ammonium polyphosphate) during planting, whenever possible.

M-P-A™ should be soil applied for best results, but may be water run through a sprinkler system. Broadcast or row applications are acceptable, although greater efficiency may be expected from injecting or banding.

Guaranteed Analysis

Secondary plant food (% by weight)

Sulfur (S).....	2.80%
Boron (B).....	0.33%
Copper (Cu).....	1.33%
Iron (Fe).....	0.34%
Manganese (Mn).....	0.48%
Zinc (Zn).....	3.33%

(Derived from zinc sulfate, ferrous sulfate, copper sulfate, manganese sulfate, and boric acid.)

The chelating agents include: carboxyl/phenolic acids, anhydro-N-acetyl-glucosamine, EDTA.)

ALSO CONTAINS NONPLANT FOOD INGREDIENTS

Biostimulants

Fulvic acid derivatives.....	0.5%
Polysaccharides.....	4.5%
Organic acids (humic acids).....	3.0%

(Derived from leonardite and plant extracts by fermentation.)

Enzymes/Substrates

Alginate Acid.....	0.018%
Mannitol.....	0.006%
Laminarin.....	0.007%
Ascorbic Acid.....	1.0%
Alpha-tocopherol.....	0.12%
Myo-Inositol.....	0.10%
Amino Acids.....	1.0%

M-P-A®

A Yield Enhancing Chelated Micronutrient & Biostimulant Package



MANUFACTURED BY
NORTHWEST AG PRODUCTS

821 S. Chestnut - Pasco, WA 99301
509 / 547-8234

Net Contents: 5 gallons
Shuttle
Bulk
Weight per Gallon: 9.71 lbs

Information regarding the contents and levels of metals in this product is available on the internet: <http://www.aapfco.org/metals.htm>

**SHAKE WELL BEFORE USING
CAUTION: KEEP OUT OF THE REACH OF CHILDREN
HARMFUL IF SWALLOWED**

Application Instructions

Soil applications of **M-P-A™** can be incorporated in liquid fertilizer or applied separately. If applied separately, DO NOT dilute **M-P-A™** with water.

Washington State law requires EPA-approved safety devices to be in use when this product is used in any irrigation system.

Application Rates

Warning: This fertilizer contains boron, which may be injurious to certain crops. Contact your county agent or field consultant for specific information.

For use with macronutrients (N, P, and/or K) on wheat or barley: Apply 0.75 to 1 gallon of **M-P-A™** per acre mixed with the liquid nutrients. Add **M-P-A™** to a partially filled tank and continue to fill the tank. If mixing permits, allow agitation of the solution to insure uniform mixing.

To use M-P-A™ alone: apply the following rates if you do not have a soil or leaf analysis:

Maintenance Application.....	0.5 to 1.0 gallon per acre
Moderate Micronutrient Deficiency.....	1.0 to 1.5 gallons per acre
Heavy Micronutrient Deficiency.....	1.5 to 2.0 gallons per acre

M-P-A™ can be mixed with almost all liquid fertilizers and liquid nutrients including seeding, pre-plant, side dress, banding, and water runs via sprinkler irrigation.

Center-pivot Irrigation Equipment: use only with electric or oil hydraulic drive systems that provide a uniform water distribution.

M-P-A™ is compatible with almost all fertilizers, nutrients, pesticides and fungicides. If unfamiliar with its use, be sure to check with **NORTHWEST AGRICULTURAL PRODUCTS** for compatibility or perform a jar test, mixing each product in the same ratios as to be field applied.

M-P-A™ can be coated on dry blend fertilizer to control dust in the blend plant and supply needed micronutrients. Contact **NORTHWEST AGRICULTURAL PRODUCTS** for the necessary equipment and instructions.

Storage Instructions

If you use **M-P-A™** in bulk, it can be stored and/or shipped in stainless steel, fiber-glass, or polyethylene tanks. For additional information contact **NORTHWEST AGRICULTURAL PRODUCTS** at (509) 547-8234.

CONDITION OF SALE

Seller warrants that the product conforms to its chemical description and is reasonably fit for the purpose stated on this label when used in accordance with directions under normal conditions of use. Since weather, crop soil, and other conditions may vary, Northwest Agricultural Products and/or seller make no warranty of any kind, expressed or implied, concerning the use of this product. The user assumes all risks of use of handling whether or not in accordance with directions or suggestions.

Manufactured by
Northwest Agricultural Products, Inc.
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Lot#

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