



AWAKEN[®]



16-0-2

MICRONUTRIENT PREMIX MULTI-PURPOSE FERTILIZER ADDITIVE FOR USE ON MANY CROPS

GUARANTEED ANALYSIS:

Total Nitrogen (N)	16.00%
5.70% Ammoniacal Nitrogen	
3.40% Nitrate Nitrogen	
6.90% Urea Nitrogen	
Soluble Potash (K ₂ O)	2.00%
Boron (B)	0.02%
Copper (Cu)	0.15%
0.15% Chelated Copper	
Iron (Fe)	0.15%
0.15% Chelated Iron	
Manganese (Mn)	0.15%
0.15% Chelated Manganese	
Molybdenum (Mo)	0.0006%
Zinc (Zn)	2.70%
0.15% Chelated Zinc	

Derived From: Urea Ammonium Nitrate, Anhydrous Ammonia, Potassium Acetate, Sodium Borate, Copper Citrate, Iron Citrate, Manganese Citrate, Sodium Molybdate, and Zinc Citrate.

WARNING: This product contains molybdenum (Mo). Crops high in molybdenum can be toxic to ruminant animals. Use only according to manufacturer's directions.

WARNING: This product contains Boron; application to any crops other than those recommended may result in serious injury.

**FOR AGRICULTURAL AND PROFESSIONAL USE ONLY
F1548**

KEEP OUT OF REACH OF CHILDREN



May be harmful if swallowed, inhaled or absorbed through skin. May cause eye and skin irritation. Avoid contact with eyes, skin and clothing. Avoid breathing vapors. Use with adequate ventilation. Eye protection and gloves are suggested when handling undiluted product. Wash thoroughly after handling. Contains ammonia. Contents may be under pressure.

FIRST AID

If in eyes: Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

If swallowed: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

If on skin or clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.

If inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

FOR A MEDICAL EMERGENCY INVOLVING THIS PRODUCT CALL: 1-866-944-8565.

GENERAL INFORMATION

AWAKEN 16-0-2 is a plant nutrient solution that contains ACA, an agricultural crop additive, as well as other plant nutrients. It will not by itself provide all the nutrients normally required by crops.

AWAKEN 16-0-2 is intended for mixing or blending with other fertilizer materials to produce fertilizers whose total primary nutrient guarantees equal or exceed 24%.

EQUIPMENT

Brass, Copper and galvanized metals may be subject to mild corrosion from prolonged or repeat contact with this product.

COMPATIBILITY

Ammonium polyphosphate fertilizers tend to be more compatible with AWAKEN 16-0-2 than are orthophosphate types. Including some polyphosphate in the mixture often improves compatibility of orthophosphates. Proposed mixtures should be evaluated in a jar test before full scale use. Fertilizer based mixtures that also contain pesticides should be sprayed as soon as possible.

Note: When combining AWAKEN 16-0-2 with phosphate fertilizers vigorous agitation is required for good product mixing. See mixing directions below for more information.

MIXING INSTRUCTIONS

For certain uses, such as in-furrow injection, AWAKEN 16-0-2 is often used undiluted. Depending on desired row spacing, flow rate and other factors, dilution with water may be desirable. Mix only enough material for use on the day of application. In combination with water based mixtures, nitrogen solutions, or pesticides, mix as follows:

- 1) Fill mixing tank about ½ full with water.
- 2) Start agitation and add required amount of AWAKEN 16-0-2.
- 3) Finish filling tank with water and pesticide. Continue agitation until tank is emptied. Apply the spray mixture as soon as possible and avoid storing for prolonged periods.

Note: When combining AWAKEN 16-0-2 with phosphate fertilizers, mix as follows:

- 1) Add a small amount of fertilizer to the mixing tank.
- 2) Start bypass agitation, then add the required amount of AWAKEN 16-0-2, and vigorously agitate until it is completely mixed into solution.
- 3) Add remaining phosphate fertilizer and continue agitation until tank is emptied. When phosphate fertilizers are combined with AWAKEN 16-0-2, bypass agitation alone does not provide sufficient agitation to ensure a good product mixture. Remove in line strainers on the suction side of the pump when combining AWAKEN 16-0-2 with phosphate fertilizers.

For applications such as side dress, AWAKEN 16-0-2 can be mixed with many starter fertilizers. Check compatibility of specific combinations before use. Using at least 5.0 to 10.0 gallons of liquid fertilizer per acre generally results in best compatibility.

APPLICATIONS

Broadcast, Band or Side Dress Applications to Soil: Apply at the rate of 2.0 to 4.0 quarts per acre. Typical application timing is from 2 weeks preplant through early cultivations or early postemergent crop stages. Row crops generally respond better when the product is applied closer to the seed furrow. Best results may be obtained when AWAKEN 16-0-2 is incorporated or injected below the soil surface.

Rainfall or irrigation soon after application may also aid in achieving proper placement. For certain vegetable crops and gardens, a band application over the planted row followed by watering-in is a useful method of application.

In-Furrow Injection Application to Soil: Apply at the rate of 1.5 to 2.0 quarts per acre at planting. In order to deliver the recommended amount, injection equipment must be calibrated using the same mixture that will be applied. Consult equipment manufacturer's literature for calibration procedure. If pesticides are added, check compatibility and follow label precautions and directions for each product used. Be sure to calibrate using the same mixture that will be applied. Injection pump units for planter or drill mounting are available from Custom Ag Products, Inc.; Benson, Minnesota.

Transplant Solutions: Apply at the rate of 1.5 to 2.0 quarts per acre in sufficient water to thoroughly drench soil around transplants and move AWAKEN 16-0-2 and added fertilizer into the root zone. Approximately 50.0 to 200 gallons of water per acre may be needed, depending on equipment. A compatible high phosphate fertilizer, such as 10-34-0 or 8-31-4, should be added. (Ammonium polyphosphate fertilizers are preferred.) Add this product to water first and then add fertilizer. Seedbeds can be treated similarly soon before or after seeding.

Dry Fertilizer Impregnation: Many dry fertilizers may be impregnated with AWAKEN 16-0-2. Treat such that the 1.5 to 2.0 quarts per acre application rate will be achieved when the dry fertilizer is spread. Blends containing at least 50% of a mixture of potassium chloride, ammonium phosphate and/or nitrate type fertilizers are generally suitable for impregnation.

Apply AWAKEN 16-0-2 uniformly to the dry blend using a spray bar in the blender, a nozzle mounted on an auger, a nozzle mounted over a conveyer, or other similar setup. Use 28-0-0 to dilute AWAKEN 16-0-2 if additional spray volume is needed for coverage. For best results, dry blends must be applied to soil uniformly and should be incorporated into the root zone of the crop. Use the blend as soon as possible after blending.

STORAGE AND DISPOSAL

STORAGE: Store in original containers only. KEEP CONTAINER TIGHTLY CLOSED WHEN NOT IN USE. LOSS OF AMMONIA WILL CAUSE PRODUCT TO SOLIDIFY. Store in a cool, dry, well ventilated place, preferably in a locked storage area. Store out of direct sunlight.

PRODUCT DISPOSAL: If possible, dispose of excess product by use according to label directions. Contact your state environmental agency or the hazardous waste representative at your EPA Regional Office for guidance on other approved practices.

CONTAINER DISPOSAL: Do not reuse container for other purposes. Triple rinse container, then offer for recycling or reconditioning.

For help with any spill, leak, fire or exposure involving this material, call day or night CHEMTREC 1-800-424-9300, or puncture and dispose of in a sanitary landfill or by other procedures approved by state and local authorities.

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CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

BEFORE BUYING OR USING THIS PRODUCT, read the Directions for Use and the following Conditions of Sale and Limitation of Warranty and Liability. By buying or using this product, the buyer or user accepts the following Conditions of Sale and Limitation of Warranty and Liability, which no employee or agent of LOVELAND PRODUCTS, INC. or the seller is authorized to vary. LOVELAND PRODUCTS, INC. warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, when the product is used in accordance with such Directions for Use under normal conditions of use. LOVELAND PRODUCTS, INC. MAKES NO OTHER WARRANTY, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. THE BUYER'S OR USER'S EXCLUSIVE REMEDY FOR ANY INJURY, LOSS, OR DAMAGE RESULTING FROM THE HANDLING OR USE OF THIS PRODUCT SHALL BE LIMITED TO ONE OF THE FOLLOWING, AT THE ELECTION OF LOVELAND PRODUCTS, INC. OR THE SELLER: DIRECT DAMAGES NOT EXCEEDING THE PURCHASE PRICE OF THE PRODUCT OR REPLACEMENT OF THE PRODUCT. LOVELAND PRODUCTS, INC. AND THE SELLER SHALL NOT BE LIABLE TO THE BUYER OR USER OF THIS PRODUCT FOR ANY CONSEQUENTIAL, SPECIAL, OR INDIRECT DAMAGES, OR DAMAGES IN THE NATURE OF A PENALTY.

California Proposition 65: **WARNING:** This product contains chemicals known to the State of California to cause cancer or birth defects or other reproductive harm.

Tests have not been carried out under all possible use conditions and Seller cannot and does not represent or warrant that the goods are compatible with all other chemicals or under all use conditions.

Information regarding the contents and levels of metals in this product is available on the internet at <http://www.regulatory-info-lpi.com/>

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Density: 10.29 lbs/gallon @ 68 °F

Liquid Measure: gallons (liters)

Net Weight: lbs (kg)

Product Code: 1000173023