**CAUTION**

**KEEP OUT OF REACH OF CHILDREN**

**READ SAFETY DIRECTIONS BEFORE OPENING OR USING**

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**APPLICATION**

**W/V%**

- Nitrogen (N) ................................................................. 20.0000
- Soluble Potash (K2O) ....................................................... 20.0000
- Boron (B) ........................................................................ 0.0200
- Copper (Cu) ...................................................................... 0.1900
- Iron (Fe) ............................................................................. 0.1900
- Manganese (Mn) ............................................................. 0.0007
- Molybdenum (Mo) .......................................................... 0.0007

Derived from: Urea Ammonium Nitrate, Anhydrous Ammonia, Potassium Nitrate, Sodium Borate, Copper Citric Acid, Ferrous Citric Acid, Manganese Sulfate, Zinc Oxide, and Zinc Citric Acid.

**CONTENTS:** 10 LITRES

**ANALYSIS**

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**20-0-2 W/V**

**GENERAL INFORMATION**

**AWAKEN** is a plant nutrient solution. It will not by itself provide all the nutrients normally required by crops. To be used as part of a complete fertiliser program.

**AWAKEN** is recommended especially for:

- 1) Mixing with liquid fertilisers for pre-emergent or post-emergent application.
- 2) Potassium enrichment and water management in crops in contact with fertilisers.
- 3) Mixing with water sprays for soil or foliar application.
- 4) Applications as interplanted with dry fertilisers.

**PRECAUTIONS**

The prevention of nutrient deficiencies in crops is preferable to correcting them after symptoms appear although this can often be done to prevent and/or foliar application. Foliar applications are recommended when fast correction is necessary. It is recommended that all plant tissue samples be analyzed to determine nutrient levels prior to using this product. This product is to be used according to directions or, if a label exists, been identified. **AWAKEN** should be well mixed with water, water/fertiliser solutions, or pesticide solutions before application. Some foliar burn may occur if applied during dry, hot conditions. For additional information on timing, application of hybrid or crops susceptible to phytotoxicity, consult your local agronomist.

**APPLICATION RECOMMENDATIONS**

**Crust Use**

- Can be applied on any agricultural or horticultural crop.

** Foliar Applications**

- Apply at the rate of 1.5-4.7L/ha. Use a minimum spray volume of 50-100L of water/ha for broadacre crops and use a minimum spray volume of 20-30L of water/ha for hay and hay by air for broadacre crops. Use a minimum spray volume of 100-500L to the root of non-fruit bearing vegetable crops and 500-2000L/ha to the point of run off for tree and vine crops by ground rig application. Use a minimum spray volume of 50L per ha for horticultural crops.

**Sprinkle System**

- Applied through a sprinkler system, use a backflow prevention device to avoid contamination of the water supply.

**In-Furrow Style Application to Soil**

- Apply at the rate of 3.0-4.7L/ha. Injection equipment must be calibrated using **AWAKEN** in order to deliver in a forceful stream. Consult equipment manufacturer’s literature for calibration procedures. If injection is necessary to obtain flow rate, follow equipment manufacturer’s instructions for injection solution for dilation. If pesticides are added, check compatibility and follow label precautions and directions for each product used.

**Dry Irrigation System**

- Apply 3.0-4.7L several times from pre-plant through seeding and early vegetative crop stage. Regular growing season use may be desired for established grasses or orchards, although spring is probably the best time for a single application. Use a backflow prevention device to avoid contamination of the water supply.

**Dry Fertiliser Impregnation**

- Many dry fertilisers may be impregnated with **AWAKEN**. Treat such fertilisers so that the water/ha of **AWAKEN** is applied as a liquid injection or drip irrigation application when irrigation line or irrigation system is in use. Most of these fertilisers contain less than 50% of a mixture of potassium chloride, ammonium polyphosphate and/or nitrate type fertilisers. Ensure that these fertilisers are thoroughly mixed before use on the root zone of the crop. Use the treated as soon as possible after blending.

**PRECAUTIONS**

DO NOT use **AWAKEN** as a liquid injection or in a drip irrigation application when irrigation line or irrigation system is in use. Most of these fertilisers contain less than 50% of a mixture of potassium chloride, ammonium polyphosphate and/or nitrate type fertilisers. Ensure that these fertilisers are thoroughly mixed before use on the root zone of the crop. Use the treated as soon as possible after blending.

**EQUIPMENT**

- Brass, copper and galvanized metals may be subject to clogging from precipitated or complexed contact with this product.

**COMPATIBILITY**

**AWAKEN** can be applied alone or with other compatible spray materials. Ammonium polyphosphate fertilisers tend to be more compatible than orthophosphate types. Included in spraying equipment in the mixture often improves compatibility of orthophosphate. Proposed mixing schedules must be evaluated in a jar test before full scale use. Fertiliser based mixtures that also contain pesticides should be applied as soon as possible.

**MIXING INSTRUCTIONS**

- For certain uses such as in-furrow injection, **AWAKEN** is often used. Depending desired 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.

**Handling**

- For mixture with water in other types of applications, mix at 1:4, fill mixing tank with 1:4 water solution, then add product and mix well. Continue agitation and tank is emptied. Apply the spray mixture as soon as possible. Avoid storing for prolonged periods. For applications such as side dress, **AWAKEN** can be mixed with many starter fertilisers.

**TANK MIXES**

- Do NOT mix with other inorganic or organic fertilisers without compatibility test. Be adequate test for physical compatibility involves mixing in a small container, the proper proportions of product with water and the other ingredients. Agitate and let stand 5 minutes before using the products separately. DO NOT mix the **AWAKEN** tank mixes.

**Liquid Fertiliser Tank Mixes**

- Mix the product with liquid fertiliser, agitating thoroughly. This element can be achieved by adding the product to the mixing tank before entering through a pump. When mixing in batch tank, add product to water solution before adding phosphate materials. This product can be mixed with liquid starter fertilisers.

**GENERAL INFORMATION**

**AWAKEN** is a product prepared by Loveland Products. It is not by itself a complete fertilizer and should be used in conjunction with other complete fertilisers, according to crop needs. Each of the nutrients contained in this product has been selected to complement the others in the proper ratio to meet the needs of the various crops. **AWAKEN** is recommended for use as part of a complete fertilisation program. **AWAKEN** is not a substitute for other complete fertilisers. **AWAKEN** is not a substitute for spray materials such as liquid starter fertilisers, insecticides, or fungicides. **AWAKEN** is designed to be mixed with water and applied to the plant through irrigation systems or other similar setup. Use liquid nitrogen solution to dilute **AWAKEN**. **AWAKEN** can be mixed with many liquid or dry starter fertilisers. **AWAKEN** is not recommended for use on the day of application. For applications such as side dress, **AWAKEN** can be mixed with many starter fertilisers.