

### GUARANTEED ANALYSIS

|   |        |
|---|--------|
| Total Nitrogen (N).....                                   | 2.0%   |
| 2.0% Urea Nitrogen  |        |
| Available Phosphate (P <sub>2</sub> O <sub>5</sub> )..... | 17.0%  |
| Soluble Potash (K <sub>2</sub> O).....                    | 17.0%  |
| Boron (B).....  | 0.02%  |
| 0.02% Water Soluble Boron (B)                             |        |
| Copper (Cu).....  | 0.05%  |
| 0.05% Chelated Copper (Cu)                                |        |
| Iron (Fe).....  | 0.10%  |
| 0.10% Chelated Iron (Fe)                                  |        |
| Manganese (Mn).....                                       | 0.10%  |
| 0.10% Chelated Manganese (Mn)                             |        |
| Molybdenum (Mo).....                                      | 0.001% |
| 0.001% Water Soluble Molybdenum (Mo)                      |        |
| Zinc (Zn).....  | 0.74%  |
| 0.74% Chelated Zinc (Zn)                                  |        |

Derived from: Phosphoric Acid, Potassium Hydroxide and Urea, Zinc EDTA, Manganese EDTA, Copper EDTA, Iron EDTA, Boric Acid Sodium Molybdate.

CAUTION: This fertilizer is to be used only on soil which responds to Molybdenum (Mo). Crops high in Molybdenum (Mo) are toxic to grazing animals (ruminants).

### PROPERTIES

|                                       |      |
|---------------------------------------|------|
| Weight per Gallon (lbs. at 68°F)..... | 11.7 |
| Equilibrium Temperature.....          | 8°F  |
| pH.....                               | 7.0  |

### GENERAL INFORMATION

XLR-rate® 2-17-17 MNPZ starter and foliar fertilizer is manufactured using raw materials including Phosphoric Acid, Potassium Hydroxide and Urea providing a quality, effective source of macronutrients. Our products contain orthophosphate that is soluble and readily available for young, emerging plants to utilize. The micronutrients contained in our product are chelated with quality, economical EDTA.

XLR-rate® 2-17-17 MNPZ maximizes nutrient efficiency for your crop and ensures:

- Improved nutrient solubility
- Lower salt index, flexibility for row placement
- Less equipment corrosion and cleaner tanks, screens, pumps
- Plant safety with maximized uptake improving emergence
- Flexible planting window under cold/wet conditions
- A balanced approach to nutrition that improves ROI
- Protection of key micronutrients from tie-up, insolubility with chelation

### DIRECTIONS FOR USE SOIL APPLICATION

XLR-rate® 2-17-17 MNPZ can be applied to crops by banding in or near the seed row, surface dribble, strip-till, bed placement, irrigation or by other methods. Follow label instructions or use in accordance with recommendations of a qualified individual or institution, such as, but not limited to, a certified crop advisor, agronomist, university crop extension publication, or apply according to recommendations of an approved nutrient management plan.

When XLR-rate® 2-17-17 MNPZ is applied in the seed row (directly on the seed) certain crop and rate restrictions apply. Until local experience is gained, refer to the following table for crop and suggested maximum rate instructions. The use of available "splitter" devices that apply fertilizer to the sides of the v-slot is encouraged. Do not apply directly on the seed in saline, alkali, salty or coarse-textured soils. Seed row placement is not recommended for crops not listed in the Recommendations for Seed Row Placement table.

### PRODUCT STORAGE RECOMMENDATIONS

Storage is recommended in poly, fiberglass, stainless, or lined/coated steel tanks. Storage in flat bottom tanks during winter months is suggested. It is important to

### RECOMMENDATIONS FOR SEED ROW PLACEMENT

| Soil Conditions  |   |                                   |                                 |                          |
|--|---|-----------------------------------|---------------------------------|--------------------------|
| Crop   | CEC: 15 or ><br>OM <sup>2</sup> : 2.5% or > | CEC: 12 - 14.9<br>OM: 2.0 - 2.4 % | CEC: 6 - 11.9<br>OM: 0.6 - 1.9% | CEC: < 6.0<br>OM: < 0.6% |
| Maximum suggested application rate in gallons per acre |   |                                   |                                 |                          |
| <b>Corn Row Spacing:</b>                               |   |                                   |                                 |                          |
| 15"  |   |                                   |                                 |                          |
| 30"  | 6   | 5                                 | 4                               |                          |
| <b>Canola</b>  | 6   | 6                                 | 5                               |                          |
| <b>Cotton</b>  | 4   | 3                                 | 3                               |                          |
| <b>Milo (30" rows)</b>                                 | 5   | 4                                 | 3                               |                          |
| <b>Soybeans Row Spacing:</b>                           |   |                                   |                                 |                          |
| 10" or less  | 5   | 2.5                               | 2.5                             |                          |
| 11" to 16"   | 2.5   | 2.5                               | 2.5                             |                          |
| 17"+ (for row widths over 17")                         | 3   | 2                                 | 2                               |                          |
| <b>Barley, Wheat, Rye</b>                              | 12  | 12                                | 10                              |                          |
| <b>Oats</b>  | 6   | 5                                 | 4                               |                          |
| <b>Sunflower</b>                                       | 4   | 3                                 | 3                               |                          |
| <b>New Alfalfa</b>                                     | 6   | 5                                 | 4                               |                          |
| <b>Potatoes</b>  | 7   | 7                                 | 7                               |                          |
| <b>Sugar Beets</b>                                     | 4   | 3                                 | 3                               |                          |

Inquire about row application in soils that fall within this group.

<sup>1</sup>Cation Exchange Capacity. <sup>2</sup>Organic Matter.

agitate/recirculate prior to usage. Ensure that tanks are sanitized prior to filling with XLR-rate® products. Do not blend and allow other products to store with XLR-rate®.

### FOLIAR APPLICATION

**Vegetable and Field Crops, Deciduous Fruit and Nut Trees, Grapes, Olives and Citrus:** Apply 1 to 3 gallons per acre in a minimum of 5 gallons of water per acre. Repeat applications may be beneficial. Use of a surfactant may enhance leaf coverage and increase nutrient absorption. Do not apply when the crop is excessively stressed for moisture or during periods of high temperatures. Use the lowest possible volume for thorough coverage with a small droplet size. Optimum foliar application conditions for most crops generally occur during early morning or late evening hours.

*Foliar fertilization with primary nutrients will not provide the quantities of nutrients required for normal plant growth. This product may cause foliar burn if applied in higher than recommended rates or concentrations. Use only as a supplement to a regular fertilization program.*

### BENEFITS OF FOLIAR APPLICATIONS

Foliar feeding provides an effective method to provide macro and micronutrients to crops during growth stages. XLR-rate® supplies quality N-P-K and chelated micronutrients for maximum crop absorption improving recovery from stress and making quality growth better from vegetative to reproductive stages in the plant.

- Reduction in drought and metabolic stressors
- Low cost, nutrient management that benefits ROI
- No foliar burn
- Rapid correction of visual or tissue analysis of deficiency

### MIXING INSTRUCTIONS

If mixing XLR-rate® 2-17-17 MNPZ with other nutrient or CPP products, perform a jar test to ensure compatibility with different mixtures of chemicals. It is important to read and follow label directions of added products to ensure that pH, S.I., blending, and application integrity are maintained.

### MIXING PROCEDURE

- XLR-rate® 2-17-17 MNPZ disperses well in water with a minimum of agitation. For best results mix as follows:
1. Partially fill tank with water or fertilizer and start agitation.
  2. Add XLR-rate® 2-17-17 MNPZ to circulating tank mix.
  3. Add other pesticides or nutrients if compatible.
  4. Fill tank and agitate thoroughly.



### WARNING HAZARD STATEMENT

May cause skin and eye irritation.

### PRECAUTIONARY STATEMENT

Wear protective gloves and clothing. Do not breathe mists/vapors. Seek medical attention if you feel unwell. Wash thoroughly after handling. Use only outdoors or in well-ventilated areas. If swallowed: Seek medical attention if unwell. Remove contaminated clothing and wash before reuse. If in eyes or on skin: Rinse area with plenty of water. Remove contact lenses, if present and easy to do. Continue rinsing. If eye or skin irritation persists, seek medical attention.

### FIRST AID MEASURES

**INHALATION:** Remove person from location and move them to a more comfortable breathing area. If feeling unwell: Seek medical attention.

**EYES:** Hold eyelids open and flush with a steady stream of water for 15-20 minutes. If irritation persists: Seek medical attention.

**SKIN:** Wash affected area with soap and water. If irritation persists: Seek medical attention. Remove contaminated clothing, wash before reuse.

**INGESTION:** Rinse mouth. DO NOT INDUCE VOMITING unless directed by a medical professional. Seek medical attention if unwell.

**Emergency Phone:** Chemtrec 1-800-424-9300 (24 hours a day)

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

### ☐ Bulk Shipment

☐ Jug: 2.5 U.S. Gallons (9.46 Liters)  
Net Weight: 29.25 Pounds (12.9 kg)

☐ Box: 2 x 2.5 U.S. Gallons (2 x 9.46 Liters)  
Net Weight: 58.5 Pounds (25.85 kg)

To learn more, visit [chinc.com](http://chinc.com) or ask your local agronomist about XLR-rate®.

CHS Inc. warrants only that this product conforms to the chemical description on the label and that it is reasonably suited for the purposes stated on the label when used in accordance with the Directions For Use under normal conditions. Since the user's conditions may vary, CHS Inc. and/or the Seller or any other representative of Seller is not authorized to make another warranty claim of any kind, expressed or implied concerning the use of this product. The user assumes all risk of use and handling whether or not in accordance with directions or suggestions. CHS Inc. shall under no circumstances whatsoever be liable for any special, incidental or consequential damages which may arise from such use. All information is given in the best of CHS Inc.'s knowledge and is believed to be accurate. There is no warranty of any type regarding the accuracy of any given statements.

