



**GUARANTEED ANALYSIS**

Total Nitrogen (N) ..... 7.0%  
 6.0% Ammoniacal Nitrogen  
 0.3% Nitrate Nitrogen  
 0.7% Urea Nitrogen  
 Available Phosphate (P<sub>2</sub>O<sub>5</sub>) ..... 21.0%  
 Zinc (Zn) ..... 0.2%  
 0.2% Water Soluble Zinc (Zn)

**Derived From:** Anhydrous Ammonia, Urea-Ammonium Nitrate, Phosphoric Acid, and Zinc Sulfate

**ALSO CONTAINS NON-PLANT FOOD INGREDIENTS**

06.00% ..... Organic Matter (derived from Leonardite)  
 01.00% ..... Carbohydrates (derived from gluconic acid)  
 93.00% ..... Inert Ingredients

**FOR AGRICULTURAL AND PROFESSIONAL USE ONLY**

**KEEP OUT OF REACH OF CHILDREN**



**WARNING**

Avoid breathing mists. Harmful if swallowed. Avoid contact with skin, eyes or clothing.

**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 on skin:** 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 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 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.**

**DIRECTIONS FOR USE**

Uses include but are not limited to the research verified crop specific directions in the table below.

CROP	APPLICATION RATE PER ACRE	APPLICATION DIRECTIONS AND TIMING
(01) Root and Tuber Vegetables including Carrot, Ginseng, Horseradish, Parsley (turnip-rooted), Potato, Radish, Sugar Beet, Sweet Potato, Turnip	<b>Soil:</b> 1-20 gal/ac <b>Foliar:</b> 2- 16 qt/ac	<b>Soil:</b> May be placed surface or subsurface band. Repeat applications may be beneficial. <b>Foliar:</b> (minimum of 5 gpa) is an effective foliar nutrient when mid or late season phosphate levels fall below optimum values. Repeat applications may be beneficial.
(03) Bulb Vegetables including Garlic, Leek, Onion	<b>Soil:</b> 1-20 gal/ac <b>Foliar:</b> 2- 16 qt/ac	<b>Soil:</b> May be placed surface or subsurface band. Repeat applications may be beneficial. <b>Foliar:</b> (minimum of 5 gpa) is an effective foliar nutrient when mid or late season phosphate levels fall below optimum values. Repeat applications may be beneficial.
(04) Leafy Vegetables including Celery, Head and Leaf Lettuce and Spinach	<b>Soil:</b> 1-20 gal/ac <b>Foliar:</b> 2- 16 qt/ac	<b>Soil:</b> May be placed surface or subsurface band. Repeat applications may be beneficial. <b>Foliar:</b> (minimum of 5 gpa) is an effective foliar nutrient when mid or late season phosphate levels fall below optimum values. Repeat applications may be beneficial.
(05) Brassica Vegetables including Broccoli, Cabbage, Cauliflower, Kale, and Mustard greens	<b>Soil:</b> 1-20 gal/ac <b>Foliar:</b> 2- 16 qt/ac	<b>Soil:</b> May be placed surface or subsurface band. Repeat applications may be beneficial. <b>Foliar:</b> (minimum of 5 gpa) is an effective foliar nutrient when mid or late season phosphate levels fall below optimum values. Repeat applications may be beneficial.
(06) Legume Vegetables (Succulent or Dried) including Bean (all types), Peas and Soybeans**	<b>Soil:</b> 1-20 gal/ac <b>Foliar:</b> 2- 16 qt/ac	<b>Soil:</b> May be placed surface or subsurface band. Repeat applications may be beneficial. <b>Foliar:</b> (minimum of 5 gpa) is an effective foliar nutrient when mid or late season phosphate levels fall below optimum values. Repeat applications may be beneficial.
(08) Fruiting Vegetables including Eggplant, Pepper and Tomato	<b>Soil:</b> 1-20 gal/ac <b>Foliar:</b> 2- 16 qt/ac	<b>Soil:</b> May be placed surface or subsurface band. Repeat applications may be beneficial. <b>Foliar:</b> (minimum of 5 gpa) is an effective foliar nutrient when mid or late season phosphate levels fall below optimum values. Repeat applications may be beneficial.
(09) Cucurbit Vegetables including Cantaloupe, Cucumber, Honeydew, Muskmelon, Squash (summer and winter) and Watermelon	<b>Soil:</b> 1-20 gal/ac <b>Foliar:</b> 2- 16 qt/ac	<b>Soil:</b> May be placed surface or subsurface band. Repeat applications may be beneficial. <b>Foliar:</b> (minimum of 5 gpa) is an effective foliar nutrient when mid or late season phosphate levels fall below optimum values. Repeat applications may be beneficial.
(10) Citrus Fruit including Grapefruit, Lemon, Lime, Sweet Orange and Tangerine	<b>Soil:</b> 1-20 gal/ac <b>Foliar:</b> 2- 16 qt/ac	<b>Soil:</b> May be placed surface or subsurface band. Continue irrigation to flush lines and maximize nutrient distribution. Repeat applications may be beneficial. <b>Foliar:</b> (minimum of 5 gpa) is an effective foliar nutrient when mid or late season phosphate levels fall below optimum values. Repeat applications may be beneficial.
(11) Pome Fruits including Apple and Pear	<b>Soil:</b> 1-20 gal/ac <b>Foliar:</b> 2- 16 qt/ac	<b>Soil:</b> May be placed surface or subsurface band. Continue irrigation to flush lines and maximize nutrient distribution. Repeat applications may be beneficial. <b>Foliar:</b> (minimum of 5 gpa) is an effective foliar nutrient when mid or late season phosphate levels fall below optimum values. Repeat applications may be beneficial.
(12) Stone Fruits including Apricot, Cherry, Peach and Plumcot	<b>Soil:</b> 1-20 gal/ac <b>Foliar:</b> 2- 16 qt/ac	<b>Soil:</b> May be placed surface or subsurface band. Continue irrigation to flush lines and maximize nutrient distribution. Repeat applications may be beneficial. <b>Foliar:</b> (minimum of 5 gpa) is an effective foliar nutrient when mid or late season phosphate levels fall below optimum values. Repeat applications may be beneficial.
(13) Berry and Small Fruit including Blackberry, Blueberry, Caneberry, Kiwi, Raspberry and Grape	<b>Soil:</b> 1-20 gal/ac <b>Foliar:</b> 2- 16 qt/ac	<b>Soil:</b> May be placed surface or subsurface band. Continue irrigation to flush lines and maximize nutrient distribution. Repeat applications may be beneficial. <b>Foliar:</b> (minimum of 5 gpa) is an effective foliar nutrient when mid or late season phosphate levels fall below optimum values. Repeat applications may be beneficial.
(14) Tree Nuts including Almonds, Cashews and Pecans	<b>Soil:</b> 1-20 gal/ac <b>Foliar:</b> 2- 16 qt/ac	<b>Soil:</b> May be placed surface or subsurface band. Continue irrigation to flush lines and maximize nutrient distribution. Repeat applications may be beneficial. <b>Foliar:</b> (minimum of 5 gpa) is an effective foliar nutrient when mid or late season phosphate levels fall below optimum values. Repeat applications may be beneficial.

CROP	APPLICATION RATE PER ACRE	APPLICATION DIRECTIONS AND TIMING
(15) Grain, Cereal	<b>Soil:</b> 1-20 gal/ac <b>Foliar:</b> 2- 16 qt/ac	<b>Soil:</b> May be placed surface or subsurface band. Repeat applications may be beneficial. <b>Foliar:</b> (minimum of 5 gpa) is an effective foliar nutrient when mid or late season phosphate levels fall below optimum values. Repeat applications may be beneficial.
(16) Forage, Fodder and Straw of Cereal Grains	<b>Soil:</b> 1-20 gal/ac <b>Foliar:</b> 2- 16 qt/ac	<b>Soil:</b> May be placed surface or subsurface band. Repeat applications may be beneficial. <b>Foliar:</b> (minimum of 5 gpa) is an effective foliar nutrient when mid or late season phosphate levels fall below optimum values. Repeat applications may be beneficial.
(17) Grass Forage, Fodder and Hay	<b>Soil:</b> 1-20 gal/ac <b>Foliar:</b> 2- 16 qt/ac	<b>Soil:</b> May be placed surface or subsurface band. Repeat applications may be beneficial. <b>Foliar:</b> (minimum of 5 gpa) is an effective foliar nutrient when mid or late season phosphate levels fall below optimum values. Repeat applications may be beneficial.
(18) Nongrass Animal Feeds including Alfalfa, Clover, Hay and Vetch	<b>Soil:</b> 1-20 gal/ac <b>Foliar:</b> 2- 16 qt/ac	<b>Soil:</b> May be placed surface or subsurface band. Repeat applications may be beneficial. <b>Foliar:</b> (minimum of 5 gpa) is an effective foliar nutrient when mid or late season phosphate levels fall below optimum values. Repeat applications may be beneficial.
(19) Herbs and Spices including Basil, Dill, Mustard and Sage	<b>Soil:</b> 1-20 gal/ac <b>Foliar:</b> 2- 16 qt/ac	<b>Soil:</b> May be placed surface or subsurface band. Repeat applications may be beneficial. <b>Foliar:</b> (minimum of 5 gpa) is an effective foliar nutrient when mid or late season phosphate levels fall below optimum values. Repeat applications may be beneficial.
(20) Oil Seed Crops including Canola**, Flax and Sunflower	<b>Soil:</b> 1-20 gal/ac <b>Foliar:</b> 2- 16 qt/ac	<b>Soil:</b> May be placed surface or subsurface band. Repeat applications may be beneficial. <b>Foliar:</b> (minimum of 5 gpa) is an effective foliar nutrient when mid or late season phosphate levels fall below optimum values. Repeat applications may be beneficial.
(22) Stalk, Stem and leaf petiole vegetables, Asparagus, bamboo shoots and celery	<b>Soil:</b> 1-20 gal/ac <b>Foliar:</b> 2- 16 qt/ac	<b>Soil:</b> May be placed surface or subsurface band. Repeat applications may be beneficial. <b>Foliar:</b> (minimum of 5 gpa) is an effective foliar nutrient when mid or late season phosphate levels fall below optimum values. Repeat applications may be beneficial.
Cotton, Peanut, Sugarcane, Tobacco**	<b>Soil:</b> 1-20 gal/ac <b>Foliar:</b> 2- 16 qt/ac	<b>Soil:</b> May be placed surface or subsurface band. Repeat applications may be beneficial. <b>Foliar:</b> (minimum of 5 gpa) is an effective foliar nutrient when mid or late season phosphate levels fall below optimum values. Repeat applications may be beneficial.
Ornamental and Landscape	<b>Soil:</b> 1-20 gal/ac <b>Foliar:</b> 2- 16 qt/ac	<b>Soil:</b> May be placed surface or subsurface band. Repeat applications may be beneficial. <b>Foliar:</b> (minimum of 5 gpa) is an effective foliar nutrient when mid or late season phosphate levels fall below optimum values. Repeat applications may be beneficial.

\*The underlined applications are considered the single most important application.

**Soil Application Rates:**

Altura may be applied pre-plant, as a starter, side dress, fertigated, top dressed or banded on the soil. Dilute water (if necessary) to ensure uniform distribution.

**Fertigation Application Rates:**

Continue irrigation after application of Altura for a minimum of 2 hours to flush lines and to maximize nutrient distribution with drip and micro sprinkler use. Repeat applications may be beneficial.

**Application Through Drip Irrigation –** inject after irrigation filter.

**Transplant Water:** Use 3-10 gallons per acre, not to exceed 3% solution of Altura to water.

**Foliar Application Rates**

Apply Altura in enough water for adequate coverage (5 gpa minimum). A maximum concentration of (1:5 Altura to water) should be used for foliar applications. May be applied through center pivot irrigation systems. Repeat applications may be beneficial.

**STORAGE AND DISPOSAL**

**STORAGE:** Store in original containers only. Keep containers tightly closed when not in use. Store in a cool, dry well-ventilated area, preferably in a locked storage area away from children, feed and food products, and seed. Store at ambient temperatures. Do not contaminate water, food, or feed by storage or disposal. **DISPOSAL:** Do not reuse container. Completely empty container into application equipment. Thoroughly rinse container, adding rinse water to the spray tank.

For help with any spill, leak, fire or exposure involving this material, call day or night CHEMTREC 1-800-424-9300.

**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.

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

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.

Altura is a registered trademark of Loveland Products, Inc.

F1548



Density: 10.9 lbs/gallon @ 68 °F  
**Net Contents: 265 gallons (1,003.13 liters)**  
**Net Weight: 2,888.5 lbs (1,310.20 kg)**  
 Product Code: 1000947990



Density: 10.9 lbs/gallon @ 68 °F  
**Net Contents:**           gallons (           liters)  
**Net Weight:**           lbs (           kg)  
 Product Code: 1000948177