

# Gradual-N<sup>®</sup>

## 30-0-0

### SLOW RELEASE NITROGEN

#### Guaranteed Analysis

Total Nitrogen (N)	30.0%
15.0% Urea Nitrogen	
15.0% Other Water Soluble Nitrogen*	

Derived from urea, methylene urea and triazone

\*15.0% slowly available nitrogen from methylene urea and triazone

### KEEP OUT OF REACH OF CHILDREN



### WARNING

Causes serious eye irritation. Causes skin irritation.

#### PRECAUTIONARY STATEMENTS

Wash hands thoroughly after handling. Wear protective gloves, eye and face protection. Do not store below 32°F. Store out of direct sunlight. Dispose of empty containers by triple rinsing and discard empty containers in a landfill in accordance with current local, state, and federal regulations.

For Emergency, Spill, Leak, Fire, Exposure, or Accident, Call: CHEMTREC 1-800-424-9300

#### FIRST AID

**IF IN EYES:** Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.

**IF ON SKIN:** Wash with plenty of water. If skin irritation occurs: Get medical attention. Take off contaminated clothing and wash before reuse.

In case of medical emergency, call toll free 1-877-424-7452.

#### GENERAL RECOMMENDATIONS

Gradual-N<sup>®</sup> 30-0-0 is most effective when plants are growing rapidly and least effective when dormant or suffering from stress. Do not apply when temperatures exceed 90°F or when plants are under stress conditions due to excessive heat or lack of moisture.

Compatibility: Gradual-N<sup>®</sup> 30-0-0 is formulated to mix with most commonly used insecticides and fungicides. Determine compatibility with other fertilizers and/or pesticides by use of jar test before tank mixing.

Gradual-N<sup>®</sup> 30-0-0 is designed for both soil and foliar application. Gradual-N<sup>®</sup> 30-0-0 contains urea nitrogen for immediate response as well as methylene urea, which is converted to a usable form of nitrogen over time.

F1683

Manufactured By:  
Winfield Solutions, LLC  
P.O. Box 64589  
St. Paul, MN 55164

Weight per gallon 10.5 lbs (4.72 kg)  
Net Contents: 2.5 gallons (9.46 L)  
Net Weight: 26 lbs (11.8 kg)  
2/0824/0

**WINFIELD<sup>®</sup>**  
**UNITED**

Gradual-N® 30-0-0 can be applied in its concentrated form, or can be diluted with water for ease of application. Gradual-N® 30-0-0 can be mixed with most pesticides when mixing is done in the following order: (1) ½ of the water (turn on circulation);(2) Gradual-N® 30-0-0; (3) flowable materials; and (4) wettable powders.

**FIELD CROPS:** (corn, soybeans, edible beans, sorghum, and cotton.) Apply 3 to 10 quarts per acre by ground. Apply 4 to 6 weeks after planting or when deficiency symptoms first appear. For aerial applications use 1 to 2 qts per acre in a minimum of 3 gallons of water by air.

**VEGETABLE CROPS:** Apply 3 to 8 quarts per acre. Application should be made early in the growing season. This treatment should be repeated if crops continue to show deficiencies. Avoid spraying during bloom periods.

**ORCHARD CROPS:** (apples, pears, pecans, citrus) Apply ½ to 1½ gallons per acre pre-bloom. Application should be repeated every 2-4 weeks until 30 days prior to harvest.

**SMALL GRAINS:** (wheat, oats, barley) Apply 3 to 8 quarts per acre in adequate water to assure thorough coverage. First application at tillering. Second application 14 to 21 days after the first application. For best results, spray when the crop is in an active state, after irrigation or natural rainfall.

**RICE:** Apply 4 to 8 quarts per acre, apply at panicle emergence

**SUGARCANE:** Apply 3 to 8 quarts per acre, when sufficient foliage is present.

**CROPS NOT LISTED:** Apply according to directions of your regional Winfield representative or local agricultural professional to crops where additional Nitrogen would be beneficial.

### **ORNAMENTALS**

**ANNUAL AND PERENNIAL FLOWERS:** Apply appropriate amount of Gradual-N® 30-0-0 according to the nitrogen charts listed below. Apply in a minimum of 5 gallons of water per 1000 square feet. For smaller quantities, mix 2 oz. of Gradual-N® 30-0-0 per gallon of water.

**SHRUBS AND VINES:** Mix 2 quarts of Gradual-N® 30-0-0 and spray to point of runoff.

For smaller quantities, mix 2 oz. of Gradual-N® 30-0-0 per 1 gallon of water.

**TREES AND LARGE WOODY SHRUBS:** Apply 1 pound of nitrogen (40 ounces of Gradual-N® 30-0-0) per 1000 square feet under the canopy. Inject 3"-6" below the soil surface.

**TURF:** Gradual-N® 30-0-0 may be used on all turf grasses including: Bluegrass, Perennial ryegrass, and other northern grasses, Bahiagrass, Tall Fescue, St. Augustine grass, Zoysia grass, Centipede grass, Bentgrass and Bermuda grass. Apply according to the amount of nitrogen needed using the chart below.

**Note:** On centipede grass do not apply with other fertilizers, pesticides or specialty products with temperatures can exceed 90° F.

**INJECTION SYSTEMS:** Inject at rate of 50 to 400 ppm monthly

**Note:** A lawn will typically utilize 1 to 4 lbs of nitrogen per 1,000 sq. ft each growing season. Use this product in conjunction with an additional fertilization program to provide at least 1 lb of nitrogen per 1,000 sq.ft. each growing season. Consult your local Agricultural Extension Agent for the proper amount of nitrogen to be applied in your areas.

### **Rate of Gradual-N® 30-0-0 resulting in differing nitrogen amounts**

Gradual-N 30-0-0 per 100 gallons of Spray Solution							
Gallons of Spray per 1000 ft <sup>2</sup>	0.1 lb N	0.2 lb N	0.3 lb N	0.4 lb N	0.5 lb N	0.75 lb N	1 lb N
5	0.65	1.30	1.95	2.60	3.25	4.88	6.50
4	0.81	1.62	2.43	3.24	4.05	6.08	8.10
3	1.07	2.14	3.21	4.28	5.35	8.03	10.70
2	1.60	3.20	4.80	6.40	8.00	12.00	16.00
1	3.23	6.46	9.69	12.92	16.15	24.23	32.30

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

### **WARRANTY DISCLAIMER**

Winfield Solutions, LLC warrants only that the chemical composition of this product conforms to the ingredient statement given on the label, and that the product is reasonably suited for the labeled use when applied according to the Directions for Use. SELLER MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, NOR IS ANY REPRESENTATIVE OF SELLER AUTHORIZED TO MAKE ANY SUCH WARRANTY OR MODIFY THESE TERMS. This warranty does not extend to the storage, handling or use of this product contrary to label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to Seller, and Buyer assumes the risk of any such storage, handling or use. Seller shall not be responsible for incidental or consequential damages, if any, resulting from a breach of warranty.

Gradual-N® is a registered trademark of Winfield Solutions, LLC.