



# NITRO-28<sup>®</sup> SRN 28-0-0

*With 72% SLOW RELEASE NITROGEN*

- **ECONOMICAL - COST-EFFECTIVE NITROGEN**
- **DUAL EFFICIENCY - FOLIAR / ROOT UPTAKE**
- **ACTS AS A STICKER / SPREADER**

**GUARANTEED ANALYSIS:**

Total Nitrogen (N) ..... 28%  
 7.8% Urea Nitrogen  
 20.2% Slowly Available Water Soluble Nitrogen\*

**Derived From:** Low Biuret Urea, Methylene Urea  
 \*72% slowly available Nitrogen from Methylene Urea

**PRODUCT SPECIFICATIONS:**

Weight per gallon (Liter) ..... 10.42 lbs(1.25 Kg)  
 Salt Index ..... 6  
 1 Ton (2,000 lbs.) = 192 gallons (726.7 Liters per 1 metric Ton)  
 Pounds N per gallon (Kg/1 Liter).... 2.9 lbs. (0.35 Kg) Nitrogen  
 pH ..... .8.5

**PRODUCT DESCRIPTION:**

Nitro-28 Slow Release (28-0-0) Liquid Fertilizer is well known safe, reliable, slow release nitrogen solution ideal for turf and tree applications. With the lowest salt index of any nitrogen sources it is safe (non-phytotoxic) and very economical to use. Nitro-28 is formulated with 72% methylene nitrogen that provides weeks of steady nutrition for all types of turf grasses including cool, warm and transitional grasses. This exclusive proprietary formula is composed of a nitrogen/carbon molecule that is also an energy source for beneficial soil microorganisms. This crystall clear solution, contains 72% slow release nitrogen along with small percentages of free urea. Nitro-28 provides residual nitrogen release, low volatilization and reduced leaching. The release of nitrogen depends on soil microorganisms, hydrolysis and UV radiation. It works in conjunction with the increase in soil temperature, microbial activity and the plant's increased need for nitrogen. This form of nitrogen molecule resists leaching and volatilization, making it a cost effective nitrogen source. It is ideal for fertigation systems and is non-clogging and non-abrasive. Nitro-28 can be safely tank mixed with many acidic and alkaline materials. It has natural sticker/ spreader properties. It is an exclusive proprietary product of Growth Products, Ltd.

**SUGGESTED USES:**

Nitro-28 SRN (28-0-0) Liquid Fertilizer solution is a safe, non-burning, reliable nitrogen source for all turf grass applications (including cool, warm and transitional grasses), tree and ornamental applications. It can be used along with other technical products for low volume foliar spraying or soil root injection. Nitro-28 will enhance contact herbicides and insecticides. It is ideal for fertigation systems since it will not clog or cause abrasion.

**APPLICATION RECOMMENDATIONS:**

**Turf Applications:** Nitro-28 can be applied throughout the growing season on cool, warm and transitional grasses. Dilute with

- **NON-BURNING LOW SALT INDEX OF ANY NITROGEN**
- **PROVIDES A NITROGEN SOURCE FOR WEEKS**

water according to desired nitrogen rate per 1,000 sq. ft. See Tank Mixing Chart for exact quantities for various rates of nitrogen and different volume spraying. Yearly nitrogen application rates can be reduced by 1/3 as compared to granular applications.

**TURF GRASS / LAWN CARE:**

Nitro-28 liquid nitrogen provides residual nitrogen release to assure consistent green color between spray applications on all turf grasses including Bentgrass, Rye, Fescue and warm season grass. Nitro-28 can be safely used on Rye overseeded areas. It is ideal for both foliar spray on trees and shrubs and is compatible with herbicides, fungicides and insecticides. No special agitation is needed.

**TEES, GREENS & FAIRWAYS:**

Nitro-28 is recommended for all types of grasses, including Kentucky Blue, Bent, Fescue, Perennial Rye, Bermuda, St. Augustine, Bahia, Zoysia and Centipede. Nitrogen application varies according to climate and grass variety, so be sure to check the appropriate amount of nitrogen to apply per season, as each grass variety will be different. Nitro-28 is compatible with most other turf insecticides and fungicides.

**TREES & ORNAMENTALS:**

The nitrogen release period for deep root injection extends 3 to 6 months depending on soil and climate conditions. There is no danger of phytotoxicity. No special agitation is required. For trees, apply 1 lb. Nitrogen per 1,000 sq. ft. (under canopy). Inject 4"-8" below soil surface, into root zone, with correctly calibrated tree fertilizer injection equipment. For ornamentals, apply 3/4 lb. Nitrogen twice a year as a soil drench.

**GREENHOUSE & NURSERY:**

Nitro-28 is ideal for both supplement feeding and constant feed of nursery stock for both foliar and root uptake. This clear liquid can be injected through fertigation, drip irrigation or overhead sprinkler systems.

**For Supplemental Feeding:** Use between applications of granular coated fertilizer to level off nutrients. This will extend nutrient availability at the end of feeding cycle to avoid costly hand top-dressing. Apply just prior to shipment, as a final feed to avoid labor, waste and spillage.

**For Constant Feed:** Use on all nursery stock, potted and containerized plants as both foliar or root feeding.

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### STORAGE & HANDLING:

Can be stored in temperatures below 32° F. Freezing temperatures may cause Nitro-28 to become viscous. If frozen, place in warmer temperatures and mix with warm water, Nitro-28 will regain its normal fluid state. Freezing does not affect the agronomic quality of this product. It is not corrosive to most metals with a slightly alkaline pH and can be used through any irrigation or spray equipment.

**Bulk Storage:** Nitro-28 can be stored in polypropylene, fiberglass, stainless or mild steel tanks. Heat does not affect this product. Recommended storage temperature for Nitro-28 is 32° F and above. When stored outside for long periods of time in temperatures <32° F it is recommended to dilute the concentrate with water by 10% to assure fluidity.

**Dilution:** Nitro-28 can be diluted by either adding the concentrate to water or the water to concentrate without any detrimental effects on the final mixed product. Appropriate quantities of water should be added prior to adding potassium and phosphates or pesticides, fungicides and herbicides.

**Mixing:** Nitro-28 SRN must first be diluted with water prior to mixing with other nutrients or pesticides. Do not mix concentrated technical materials together without first diluting with water. Care should be taken when blending Nitro-28 SRN with highly acidic materials such as phosphoric acid or ammonium sulfate. Neutralize these materials to a pH of 7 or above. Potassium phosphate, potassium chloride, potassium nitrate, urea and urea ammonium nitrate or phosphorus solutions may be readily blended with Nitro-28 after dilution with water.

The following mixing procedures should be used after Nitro-28 has been diluted with water. Add products to mix in this order: 1. wettable powders, 2. flowables, 3. water solubles, 4. surfactants, 5. emulsifiable concentrates. Be sure to agitate during each addition. Mixed well before adding next and apply all of the mixture that day. Nitro-28 can be mixed with copper based fungicides.

### Foliar Turf Applications

Application	Rate / 1,000 FT <sup>2</sup> (100 m <sup>2</sup> )	Frequency
Tees & Greens	4 - 5 oz. (127 - 159 ml)	Every 7-14 days
Fairways and Roughs	3 - 5 oz. Nitro-28 SRN (95 - 127 ml)	Apply As Needed
Lawn Care	10-22 oz. (300-600 ml)	Apply As Needed

### Turf Applications: Nitro-28 Nitrogen Per Liquid Ounce (ml)

Apply at desired Nitrogen Rate per 1,000 FT<sup>2</sup> (100 m<sup>2</sup>)

Nitro-28	Nitrogen Rate	Application Timing
5 oz (160 ml)	1/8 lb. N (0.06 Kg N)	2 weeks release rate
10 oz (330 ml)	1/4 lb. N (0.12 Kg N)	4 weeks release rate
14 oz (413 ml)	1/3 lb. N (0.15 Kg N)	6 weeks release rate
21 oz (650 ml)	1/2 lb. N (0.24 Kg N)	8 weeks release rate
32 oz (980 ml)	3/4 lb. N (0.36 Kg N)	10 weeks release rate
42 oz (1.3 L)	1 lb. N (0.48 Kg N)	12 weeks release rate

### FIRST AID

<b>IF SWALLOWED:</b>	Call a poison center or doctor if you feel unwell: Rinse mouth.
<b>IF IN EYES:</b>	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center/doctor.
<b>IF ON SKIN:</b>	Remove contaminated clothing and wash skin with plenty of soap and water. If skin irritation occurs, get medical advice/attention.
<b>IF INHALED:</b>	Call a poison center or doctor if you feel unwell.

You may also contact 1-800-992-5994 day or night for emergency treatment information. If medical advice is needed, have product container or label at hand (P101), Keep out of reach of children (P102), Read label before use (P103).

**STORAGE:** Keep container tightly closed. May be stored in unheated area, but keep from freezing. Store in areas inaccessible to children and pets.

**DISPOSAL:** Dispose of contents/container in accordance with local/regional/national/international regulations. Do not reuse container.

The following precautionary statements and pictograms are based on The Globally Harmonized System of Classifications and Labeling of Chemicals (GHS) and are mandated by the Occupational Safety and Health Administration (OSHA)

### WARNING



H315 Causes Skin Irritation  
H319 CAuses Serious Eye Irritation  
H335 May Cause Respiratory Irritation

**Condition of Sale and Warranty:** Growth Products, Ltd. warrants that the product conforms to its chemical description and is reasonably fit for the purpose stated on the label only when used in accordance with label directions under normal conditions of use. Handling, storage and use of the product by Buyer or User are beyond the control of Growth Products, Ltd. and Seller. Risks such as crop injury or other unintended consequences resulting from, but not limited to, weather or soil conditions, presence of other materials, disease, pests, drift to other crops or property, or failure to follow label directions will be assumed by Buyer or User. IN NO CASE WILL GROWTH PRODUCTS, LTD. OR SELLER BE HELD LIABLE FOR CONSEQUENTIAL, SPECIAL, OR INDIRECT DAMAGES RESULTING FROM THE HANDLING, STORAGE OR USE OF THIS PRODUCT.

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