NITRO-28® SRN 28-0-0

GROWTH® PRODUCTS

THE LIQUID SOLUTIONS COMPANY

PROFESSIONAL LIQUID FERTILIZERS

BAR CODE

Shake Well Before Using

Net Wt. 26 lbs. (11.8 kg)

2 1/2 Gallons (9.46 Liters)

NITRO-28 SRN 28-0-0

F000106 GROWTH PRODUCTS

OPEN
Resealable Label for Directions & Precautions

GUARANTEED ANALYSIS:

Total Nitrogen (N) 28%
7.8% Urea Nitrogen
20.2% Water Soluble Nitrogen*
Derived From: Urea, Urea-Triazone Solution
*20.2% Slowly Available Nitrogen from Urea-Triazone Solution

TECHNICAL DATA:

Weight per gallon (lbs.) . . . . . 10.42lbs.
Weight per liter . . . . . 1.25 kg
pH 8.5
Pounds N per gallon . . . . . 2.92 lbs
Gallons per Ton (2,000 lbs.) . . . . . 192 lbs.
Salting out Temperature . . . . . 18°F (-7°C)
Salt Index 6

PRODUCT DESCRIPTION:

Nitro®-28 SRN 28-0-0 (Nitro-28) is a liquid slow release nitrogen based on proven Urea-Triazone Solution technology. This product is a clear 28% nitrogen solution that contains 2.92 pounds of nitrogen in every gallon. Nitro-28 has an extended shelf life and ensures a stable product even when stored in below freezing temperatures. As with all Nitro products, this product provides crops with the same proven results; a steady, uniform and non-phytotoxic supply of nitrogen for extended periods of time. Use as a foliar feed, it is rain fast in a matter of minutes.

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

Another quality product from:
Growth Products, Ltd.
21417 County Rd - 1950 E
Princeton, IL 61356 USA
Questions? Call (800) 648-7626

www.growthproducts.com • questions@growthproducts.com

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

REV1227

Nursery Applications

Application	Rate	Notes
Containerized and Field Grown Crops, (including but not limited to):Deciduous and Evergreen Trees, Foliage, Ornamental Grasses, Perennials, Tropicals, Woody Ornamentals	**Foliar Spray:** 1 gallon per 100 gal of water (1 L in 100 L water)	Thoroughly spray to point of run-off. Apply every 2 - 4 weeks.
	Injector Ratio: 5 - 7 fl oz per gallon of stock tank water at a 1:100 ratio (35 - 52 ml per 1 liter water)	Set injector at 150 - 200 PPM of nitrogen. Apply monthly.

Fertigation / Drip Irrigation Rates

Application	Rate per acre (Hectare)	Frequency / Notes
Sprinkler Irrigation	1 - 3 gallons (9 - 28 liters)	Apply 3 - 6 times per growing season or as needed to supplement nitrogen requirements
Drip Irrigation	Tomatoes & Peppers 1 - 3 gallons (9 - 28 liters)	Apply 2 times per month for 3 to 4 months.
	Strawberries 1 - 3 gallons (9 - 28 liters)	Apply twice monthly throughout growing season.
	Grapes, Trees & Vines 1 - 3 gallons (9 - 28 liters)	Apply 3 times per year or every 30 days in sandy soils.
	Lettuce, Celery and leafy Vegetables 1 - 3 gallons (9 - 28 liters)	Apply at first irrigation and repeat as needed.

Nitro-28 PPM Rates

Fluid Ounces of Nitro-28 per Gallon of Stock Tank Water

PPM Nitrogen	25	50	75	100	150	200	300
1:500	5	9	14	19	28	37	56
1:300	3	6	8	11	17	22	33
1:200	2	4	6	7	11	15	22
1:100	1	2	3	4	6	7	11
1:50	0.5	1	1	2	3	4	6
1:15 Ratio for Hozon Proportioner							
1:15	0.14	0.28	0.42	0.56	0.83	1.11	1.67

Foliar Turf Applications

Application	Rate / 1,000 FT² (100 m²)	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

Transplant Solutions		
Application	**Rate**	**Frequency / Notes**
Fruit, Nut, Citrus Trees, Berries, and Vines	1 gallon in 100 gallons of water (1 Liter in 100 Liters of water)	Drench roots at time of transplant with 1 - 2 gallons (4 - 8 Liters) of mix.
Plugs	**Foliar Spray:** ½ - 1 gallon in 100 gallons of water (1 Liters in 100 Liters of water)	Drench plug and plant immediately. Do not allow plants to dry or wilt.
	Injector Ratio: 3.5 fl oz per gallon of stock tank water ratio at a 1:100 ratio (25 ml per L water at 1:100 ratio)	Set injector at 100 PPM of nitrogen.
Important: The total amount of Nitro-28 used should not exceed 3 gal per acre (28 Liters per Ha)		

Greenhouse Foliar Spray Recommendations		
Application	**Rate**	**Frequency / Notes**
For All Types of Greenhouse Crops	**Transplanting:** Mix 1 - 2 oz per gallon of water (8 - 16 ml per liter water)	Soak plug tray or foliar spray after transplanting
	Propagation: ½ - 1 oz per gallon water (4 - 8 ml per liter water)	Apply at 2nd leaf stage and then every 10 - 14 day intervals.
	Maintenance: ½ - 2 oz per gallon water (4 - 16 ml per liter water)	Apply at 10 - 14 day intervals to supplement nutrient requirements.

Turf Applications: Nitro-28 Nitrogen Per Liquid Ounce (ml) *Apply at desired Nitrogen Rate per 1,000 FT² (100 m²)*		
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

Mixing Procedures:

The following conditions must be observed in order to apply product successfully. Failure to follow these instructions may result in damage to the plant.

- Use sufficient water to provide thorogh coverage. Fill water spray tank with approximately ½ water.
- Begin mixing or circulation.
- Add desired amount of Nitro-28.
- The following mixing procedure 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.
- Agitate during each addition.
- A jar test is recommended prior to mixing chemicals in your tank.
- Consult your local representative for rate and application questions.

Storage & Handling

Nitro-28 can be stored in temperatures below 32° F (0° C). In extremely cold temperatures, Nitro-28 will become cloudy or viscous. When placed in warmer temperatures or mixed with warm water Nitro-28 will regain its normal fluid state. Freezing does not affect the agronomic quality of this product.

Crop Application Recommendations		
Crop	Rate	Application Timing / Intervals
Bananas	1 - 3 gallons per acre (9 - 28 liters per hectare)	Apply at 2 - 3 week intervals. 20 - 30 applications per year.
Berries, such as (but not limited to): Blueberry, Blackberry, Raspberry	½ - 2 gallons per acre (5 - 18 liters per hectare)	Apply prior to bloom. Repeat at fruit set. Repeat every 14 - 21 days until harvest.
Bulb Vegetables, such as (but not limited to): Onions, Garlic, Shallots	½ - 1½ gallons per acre (5 - 14 liters per hectare)	Apply 3 times each season starting when first early-set is 3 inches, then at midseason, and then 2 - 3 weeks prior to harvest.
Citrus, such as (but not limited to): Grapefruit, Lemons, Limes, Oranges, Pomelo, Tangelo, Tangerines	½ - 3 gallons per acre (5 - 28 liters per hectare)	Apply early spring and on flush growth. Apply at pre-bloom. Apply post bloom to 3rd petal fall.
Cole Crops, such as (but not limited to): Broccoli, Cauliflower, Cabbage, Brussels	½ - 2 gallons per acre (5 - 18 liters per hectare)	Apply at early head formation and repeat 14 - 21 days later.
Cucurbits, such as (but not limited to): Cucumber, Cantaloupe, Squash	½ - 3 gallons per acre (5 - 28 liters per hectare)	Apply at early bloom and repeat approximately 4 weeks later.
Field Crops, such as (but not limited to): Barley, Sweet Corn, Maize, Oats, Peanut, Rice, Soybean, Sugar Beet and Wheat.	½ -3 gallons per acre (5 - 28 liters per hectare)	Apply at flag leaf emergence or before flowering and repeat 14 - 21 days after pollination. Can be used as a "pop up" starter with other fertilizers.
Fruiting Vegetables, such as (but not limited to): Peppers, Tomato, Eggplant, Okra, Tomatillo	½ - 2½ gallons per acre (5 - 23 liters per hectare)	First application at early bloom. Repeat at fruit set and again 15 to 30 days later. Apply 3 to 4 weeks prior to harvest.
Grapes, such as (but not limited to): Wine and Table Grapes	¼ - 2 gallon per acre (2 - 19 liters per hectare)	Apply at shoot growth. Reapply at bloom and then again after bloom when nitrogen is needed.
Grasses Grown for Seed, Sod Production, Pasture, Forage and Alfalfa	¼ - 2 gallons per acre (2 - 19 liters per hectare)	Apply in early spring for good growth, then apply monthly and again after harvesting.
Herbs and Spices, such as (but not limited to): Coriander, Basil, Chives, Dill	¼ - 1 gallon per acre (2 - 9 liters per hectare)	Apply after planting and reapply after harvesting.
Leafy Vegetables, such as (but not limited to): Lettuce, Celery, Spinach, Parsley, Radicchio	½ - 2 gallons per acre (5 - 18 liters per hectare)	Apply after transplanting, thinning, or at 2nd true leaf stage. Apply subsequent application at 7 - 14 day intervals. Use as needed to supplement nutrition.
Legumes and Pulses, such as (but not limited to): Beans, Green Beans	½ - 3 gallon per acre (5 - 19 liters per hectare)	Apply shortly after first flower appears. Repeat 10 - 14 days later.
Root, Tuber and Corm Vegetables, such as (but not limited to): Carrot, Potato, Sweet Potato, Beets, Ginger, Radish, Ginseng, Turnip	½ - 3 gallons per acre (5 - 28 liters per hectare)	Apply after transplanting, thinning, or at 2nd true leaf stage. Apply subsequent application at 10 - 15 day intervals. Use as needed to supplement nutritional requirements.
Tree Fruits and Nuts, such as (but not limited to): Almond, Apple, Apricot, Cherry, Filbert, Nectarine, Olive, Peach, Pear, Pecan	½ - 3 gallons per acre (5 - 28 liters per hectare)	Apply first application at green tip, pink bud, bud swell or early bloom. Apply at 30 day intervals up to harvest. Apply post harvest in 1 or 2 applications. Apply as needed.
Tropical / Sub Tropical Fruits, such as (but not limited to): Avocados, Cacao, Coffee, Dragon Fruit, Durian, Mangos	½ - 2½ gallons per acre (5 - 23 liters per hectare)	Apply on new major growth and on successive flushes. Spray monthly until harvest. Do not apply during bloom.