

NITRO +K 22-0-16

20460USA-20190521

GROWTH[®] PRODUCTS

THE LIQUID SOLUTIONS COMPANY

PROFESSIONAL LIQUID FERTILIZERS

BAR CODE

Net Wt. 30.25 lbs. (13.72 kg)

Shake Well Before Using

2 1/2 Gallons (10 Liters)

NITRO +K 22-0-16



F106

GUARANTEED ANALYSIS:

| | |
|---|-----|
| Total Nitrogen (N) | 22% |
| 3.3% Urea Nitrogen | |
| 18.7% Slowly Available Water Soluble Nitrogen* | |
| Soluble Potash (K ₂ O) | 16% |
| Derived From: Low Biuret Urea, Urea-Triazone Solution, Potassium Carbonate. | |
| *18.7% slowly available Nitrogen from Urea-Triazone Solution | |

TECHNICAL DATA:

| | |
|----------------------|-------------|
| Weight per gallon: | 12.1 lbs. |
| Weight per liter: | 1.45 kg. |
| pH | 10.5 |
| 1 gallon contains | 2.66 lbs. N |
| 1 gallon contains | 1.9 lbs. K |
| 1 Ton (2,000 lbs.) = | 166 gallons |

SUGGESTED USES:

Nitro+K liquid fertilizer solution is a safe, low phytotoxic N / K source for all turf grass applications including those on cool, warm and transitional grasses. Nitro+K can be used with other technical materials for foliar spraying. Nitro+K is non-corrosive and non-abrasive, and can be used through any fertigation equipment.

STORAGE & HANDLING:

Nitro+K does not need any special agitation. It can be tank mixed with other technical materials. Nitro+K has an alkaline pH of 10.5. Mixing: Dilute Nitro+K with water prior to mixing with other products. Add products to mix in this order: 1. wettable powders, 2. flowables, 3. water solubles, 4. emulsifiable concentrates. Be sure to agitate during each addition. Be sure each product is mixed well before adding next.

| 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

- H302 Harmful if Swallowed
- H315 Causes Skin Irritation
- H319 Causes Serious Eye Irritation
- H335 May Cause Respiratory Irritation



Another quality product from:

Growth Products, Ltd.

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Princeton, IL 61356 USA

Questions? Call (800) 648-7626



www.growthproducts.com • questions@growthproducts.com

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 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

Turf Applications

| Application | Rate / 1,000 ft ² (100 m ²) | Frequency |
|-------------------|--|--------------------------|
| Tees & Greens | 5 - 6 oz. (150-190 ml) | Every 7-14 days |
| Fairways & Roughs | 12 - 14 oz. (380 - 460 ml) | Apply every 21 - 31 days |
| Sports Turf | 12 - 14 oz. (380 - 460 ml) | Apply Monthly |
| Sod | 12 - 14 oz. (380 - 460 ml) | Monthly |
| Lawn Care | 24 oz. (760 ml) | Apply every 6-8 weeks |

Turf Applications:

Nitro+ K Nitrogen Per Liquid Ounce (ml)

Apply at desired Nitrogen Rate per 1,000 FT² (100 m²)

| Nitro+ K | Nitrogen Rate | Potassium Rate | Application Timing |
|-----------------|-------------------------|------------------------|-----------------------|
| 5 oz 150 ml | 1/10 lb. N 0.05 Kg N | 1/14 lb K 0.03 Kg K | 1 week release rate |
| 6 oz 190 ml | 1/8 lb. N 0.06 Kg N | 1/10 lb K 0.04 Kg K | 2 weeks release rate |
| 12 oz 380 ml | 1/4 lb. N 0.12 Kg N | 1/5 lb. K 0.08 Kg K | 4 weeks release rate |
| 14 oz 460 ml | 1/3 lb. N 0.15 Kg N | 1/4 lb. K 0.1 Kg K | 6 weeks release rate |
| 24 oz 760 ml | 1/2 lb. N 0.24 Kg N | 1/3 lb. K 0.17 Kg K | 8 weeks release rate |
| 36 oz 1.14 l | 3/4 lb. N 0.36 Kg N | 1/2 lb. K 0.26 Kg K | 10 weeks release rate |

Crop

Foliar Rates Per Acre (Hectare)

| | |
|---|--|
| Citrus, Tree Fruits and Nuts | 1/2 - 3 gallons per acre (5-28 liters per hectare) |
| Cole Crops, such as : Broccoli, Cauliflower, Cabbage, Brussels | 1/2 - 2 gallons per acre (5-18 liters per hectare) |
| Cucurbits, such as: Cucumber, Cantaloupe, Pumpkin, Melons | 1/2 - 3 gallons per acre (5-28 liters per hectare) |
| Fruiting Vegetables, such as: Peppers, Tomato, Eggplant, Okra | 1/2 - 2 1/2 gallons per acre (5-23 liters per hectare) |
| Grapes, such as (but not limited to): Wine and Table Grapes | 1/4 - 2 gallon per acre (2-19 liters per hectare) |
| Leafy Vegetables, such as: Lettuce, Celery, Spinach, Parsley, Radicchio | 1/2 - 2 gallons per acre (5-18 liters per hectare) |
| Legumes and Pulses, such as: Beans, Green Beans, Snap Beans | 1/2 - 3 gallon per acre (5-19 liters per hectare) |
| Containerized and Field Grown Crops | Foliar Spray: 1 gallon per 100 gal of water (1 L in 100 L water) |

Nitro+ K 22-0-16 ppm Rates

Fluid Ounces of Nitro+ K 22-0-16 per Gallon of Stock Tank Water

| | | | | | | | |
|--|------|------|------|------|------|------|------|
| PPM Nitrogen | 25 | 50 | 75 | 100 | 150 | 200 | 300 |
| PPM Potassium | 18 | 36 | 54 | 72 | 108 | 144 | 216 |
| 1:500 | 5 | 10 | 15 | 20 | 30 | 41 | 61 |
| 1:300 | 3 | 6 | 9 | 12 | 18 | 24 | 37 |
| 1:200 | 2 | 4 | 6 | 8 | 12 | 16 | 25 |
| 1:100 | 1 | 2 | 3 | 4 | 6 | 8 | 12 |
| 1:50 | 0.5 | 1 | 1.5 | 2 | 3 | 4 | 6 |
| 1:15 Ratio for Hozon Proportioner | | | | | | | |
| 1:15 | 0.15 | 0.30 | 0.46 | 0.61 | 0.91 | 1.22 | 1.83 |

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. |

Greenhouse & Nursery Injection Ratio

| | | |
|-------|-----------|--|
| 1:100 | 100 PPM N | 3.5 oz. per gallon of water (100 ml in 4 L water) |
|-------|-----------|--|

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: 6 - 8 fl oz per gallon of stock tank water at a 1:100 ratio (47 - 63 ml per 1 liter water at 1:100 ratio) | Set injector at 150 - 200 PPM of nitrogen. Apply monthly. |