



# NITRO-30<sup>®</sup> SRN 30-0-0

## WITH 85% SLOW RELEASE NITROGEN

- **Safe, Low Salt Index 2-4**
- **Environmentally Friendly - Reduced Leaching**
- **No Nitrates - Less Ground Applied N**

### GUARANTEED ANALYSIS:

Total Nitrogen (N) . . . . .30%  
4.5% Urea Nitrogen  
25.5% Slowly Available Nitrogen\*

Sources: Low Biuret Urea, Methylene Urea.

25.5% Slowly Available Nitrogen from Methylene Urea. F106

### TECHNICAL DATA:

Weight per gallon . . . . . 10.38 lbs.  
Weight per liter . . . . . 1.25 kg  
pH . . . . . 10  
Salt Index . . . . . 2-4  
Pounds N per gallon . . . . . 3.1  
Gallons per Ton (2,000 lbs.) . . . . . 192.7  
Salting out Temperature . . . . . 38°F (3°C)

### PRODUCT DESCRIPTION:

Nitro-30 liquid slow release nitrogen is a unique fertilizer technology that provides your crops with a steady, reliable and safe feed of nitrogen. As a foliar feed, it is absorbed into the leaf cuticle and reserved there. The nitrogen is steadily released and is absorbed through the stomatal openings as the plant requires it. This avoids unwanted rapid growth spurts. Studies show that Nitro-30 has reduced nitrogen leaching and volatilization by up to 75%, so that the amount of soil applied nitrogen can be reduced, while improving crop yield. Nitro-30 will provide up to a twelve week nitrogen release, saving you the time and labor of repeated fertilizer applications. Field studies in Europe and the US have confirmed that foliar (leaf) application of Nitro-30 quickly corrects nitrogen deficiencies and that nitrogen rates can be reduced to less than 1/2 of soil applied rates. Nitro-30 has the lowest salt index of all nitrogen fertilizers (salt index of 2), significantly reducing burn potential that often results from quick-release nitrogen, high salt fertilizers. It can also be used as a chemical sticker to enhance pesticide uptake.

It can be applied to soil as banded, sidedress or injected through the irrigation system; sprinkler, drip or center pivot or by aerial application as a concentrate with sufficient water to achieve adequate plant coverage.

### MIXING PROCEDURES:

- Fill water spray tank with approximately 1/2 water.
- Begin mixing or circulation.
- Add desired amount of Nitro-30 .
- Add compatible micronutrients.
- Add Flowable materials and emulsifiables.

- **Corrects Nitrogen Deficiencies**
- **Source for Minor Element Induction**
- **Contains 85% Smart Nitrogen**

- Add water soluble fertilizers and / or soluble powders. (Pre-mix powders in water prior to adding to spray tank mix solution.)
- Finish filling spray tank with water to desired volume. Mix or circulate tank mix prior to spraying.
- Be sure to rinse out spray and nursery equipment after use.

### GENERAL DIRECTIONS:

Foliar: Nitro-30 can be used on all field crops, vegetables and permanent crops such as fruit, citrus and nut trees as a foliar spray application to correct nitrogen deficiencies, improve growth and crop yield. Nitro-30 can be applied as a ground spray. Always apply with enough water to obtain adequate plant coverage. It can be applied by aerial application as a concentrate with sufficient water to achieve adequate plant coverage.

Fertigation: Nitro-30 can also be applied to soil as a band, sidedress or injected through the irrigation system; sprinkler, drip or center pivot.

### COMPATIBILITY:

Fertilizer Blends: Nitro-30 can be blended with other N-P-K materials to enhance their absorption and efficacy, and sticking properties. It is compatible with many potassium, phosphorus, micronutrients and crop protection chemicals. Be sure to always read label instructions of technical materials before mixing. When mixing with other products be sure that the final pH of the mixed solution is pH 7 or above. For further instructions on mix , please contact Growth Products prior to making blends. Do NOT mix with highly acid materials. Always use a jar test with appropriate concentrations before mixing chemicals in your tank.

**CAUTION:** The following conditions must be observed in order to apply Nitro-30 successfully. Failure to follow these instructions may result in damage to the plant.

- DO use Nitro-30 under conditions of optimum plant growth including highest humidity, moderate temperatures and adequate soil moisture.
- DO add, as a minimum, equal amount of water. Do use sufficient water to provide thorough coverage.
- DO add wettable, soluble powders, emulsifiables or flowables to water in the mix and wet, dissolve well before adding Nitro-30.
- DO Use the correct label spray rates of any pesticide used with Nitro-30.
- DO NOT use when crop is under heavy stress from pests, heat or inadequate moisture levels.
- DO NOT apply by aircraft if surface wind is greater than 5 miles per hour to assure adequate crop coverage and droplet deposition.
- DO NOT spray to run off. Do not spray to visible droplet coalescence. Do not allow concentrated spray mist to run on fruit or leaves.
- DO NOT apply during the heat of the day.

Transplant Solutions		
Application	Rate	Frequency / Notes
Young Trees for Growth Response	2 gallon in 100 gallons of water (4 Liters in 400 Liters of water)	Drench roots at time of transplant with 1 - 2 gallons ( 4 - 8 Liters) of transplant solution
Vegetables	½ - 1 gallon in 100 gallons of water (2 - 4 Liters in 400 Liters of water)	Drench plug and plant immediately. Do not allow plants to dry or wilt.

**Important: The total amount of Nitro-30 used should not exceed 3 gal per acre (28 Liters per Ha)**

Fertigation Rates		
Application	Rate / Acre (Hectare)	Frequency / Notes
Sprinkler Irrigation	2 to 3 gallons (18 - 28 Liters)	Begin at 3rd to 4th leaf stage. Apply every to 14 days based on crop requirements.
Drip Irrigation	Tomatoes & Peppers 2 - 4 gal. (18 - 37 Liters)	Apply 2 times per month for 3 to 4 months.
	Strawberries 2 - 4 gal (18 - 37 Liters)	Apply twice monthly for 5 to 6 months in California
	Grapes, Trees & Vines 4 gal (37 Liters)	Apply 3 times per year or every 30 days in sandy soils.
	Lettuce 2 - 4 gal (18 - 37 Liters)	Apply at first irrigation and repeat as needed.

VEGETABLE CROPS	Foliar Rates / Acre (Hectare)	Application Timing / Intervals
Tomatoes, Peppers, Celery	4 - 8 qts. (9 - 18 Liters)	First application - Apply at early bloom. Repeat at fruit set and again 15 to 30 days later
	4 - 10 qts. (9 - 23 Liters)	Apply 3 to 4 weeks prior to harvest to strengthen canopy to reduce sunburn.
Lettuce, Spinach, and Other Leafy Vegetables	4 - 6 qts. (9 - 14 Liters)	Apply after transplanting or thinning, when adequate foliage. Apply again 7 to 10 days prior to harvest if double cropping. Use as needed to supplement nutritional requirements
Cole Crops Broccoli, Brussel Sprouts, Cabbage & Cauliflower	2 - 5 qts. (6 - 12 Liters)	Apply at early head, transplanting, thinning or at 2nd true leaf stage. Apply every 7 to 10 days.
Cucurbits, Melons, Cucumbers, Pumpkins, Watermelons and Squash and other Cucurbit Crops	3 - 8 qts. (7 - 18 Liters)	For single application apply at early bloom.
	3 - 4 qts. (7 - 9 Liters)	For multiple applications apply during early flower. Repeat every 10 - 14 days.
Beans & Peas (Snap, Green, Lima)	3 - 6 qts. (7 - 14 Liters)	Apply shortly after first flower appears. Repeat 10 to 14 days later.
Potatoes, Onions, and Other Vegetable Root, Bulb, or Tuber Crops	5 - 8 qts. (16 - 19 Liters)	Apply after transplanting, thinning or at 2nd true leaf stage Apply 1-2 subsequent applications at 10-15 day intervals. Use as needed to supplement nutritional requirements

Suggested Program For Control Of Corky Root And Club Root		
Spray in a band wide enough to cover crop to economize. Apply with sufficient water for complete coverage.		
	Rate / Acre (Hectare)	Frequency / Notes
Head and Leaf Lettuce Varieties, Cauliflower, Broccoli, and Other Vegetable Crops with Similar Root Disorders	3 qts. (7 Liters)	Apply to foliage following thinning or transplant.
	7 qts. (16 Liters)	Apply to foliage 2 to 3 weeks after first application.
	7 qts. (16 Liters)	Apply to foliage 2 to 3 weeks after second application.
	7 qts. (16 Liters)	Apply to foliage 2 to 3 weeks after third application on maturing crops with large leaves and developing heads (Cauliflower, Broccoli, Broccoflower)

FRUIT AND SOFT BERRIES	Foliar Rates / Acre (Hectare)	Application Timing / Intervals
Strawberries	3 - 6 qts. (7 - 18 Liters)	Apply 4 weeks prior to bloom. Repeat at fruit set and at pre bud. Repeat every 14 - 21 days until harvest.
Blueberries	4 - 6 qts (9 to 14 Liters)	Apply at early fruit set. Repeat at early fruit color.
Raspberries, Blackberries, and Other Berries	3 - 5 qts. (7 - 12 Liters)	Apply prior to fruit set.
Cranberries	3 - 5 qts (7 - 12 Liters)	Apply at hook set. Repeat after fruit set.
Pineapple	4 - 6 qts (9 to 14 Liters)	Apply 4 weeks prior to bloom. Repeat at fruit set. Repeat every 14 - 21 days until harvest.

PERMANENT CROPS	Rate per Acre (Hectare)	Application Timing / Intervals
Almonds, Walnuts, and Other Nut Crops	3 - 5 qts. (7 - 12 Liters)	Apply first application at full leaf.
	6 - 10 qts. (14 - 23 Liters)	Repeat in 30 days or at early nut expansion to maintain set.
	7 - 10 qts. (16 - 23 Liters)	Apply post harvest in 1 or 2 applications.
Plums, Nectarines, and Other Stone Fruit	4 - 6 qts. (9 - 14 Liters)	Apply at bud swell to early bloom when increased fruit set is desired. Repeat in 30 days to maintain increased set.
	8 - 12 qts. (18 - 28 Liters)	Apply 4 to 6 weeks prior to harvest to improve fruit sizing. Apply post harvest in 1 or 2 applications
	3 - 5 qts. (7 - 12 Liters)	Apply first application in bud swell to king bloom. Apply again 30 to 40 days prior to harvest for sizing.
Apples, Pears, and Other Pome Fruit including Papaya	5 - 10 qts. (12 - 23 Liters)	Apply post harvest in 1 or 2 applications.
	3 - 5 qts. (7 - 12 Liters)	Apply first application at early bloom.
Kiwi	7 - 9 qts. (16 - 21 Liters)	Apply at petal fall to 30 days after bloom.
	4 - 12 qts. (10 - 18 Liters)	Apply early spring and on flush growth. Apply at pre-bloom to increase fruit set. Apply at post bloom to 3rd petal fall to increase fruit size and cell elongation. Repeat in 30 days and when nitrogen needs are evident. Can be applied with crop protection sprays.
Citrus Crop (Bearing and Non-Bearing)	4 - 6 qts. (9 - 14 Liters)	Apply 3 times per season starting at pre-bloom, early fruit set and 3 - 4 weeks prior to harvest.
Olives	2 - 4 qts. (5 - 10 Liters)	Apply prior to fruit set. Repeat as needed or at 14 - 21 day
Table Grapes, Wine Grapes	2 - 3 qts. (5 - 7 Liters)	Apply when vines are halfway to wire. Repeat in two weeks. Apply before cone development.
Hops	3 - 8 qts. (6 - 18 Liters)	Apply early spring and on flush growth to promote healthy growth and flower production. Regular applications of nitrogen are required. Do not fertilize after midsummer.
Mangos and Avocados	1 - 3 gal. (10 - 30 Liters)	Apply as plantation develops or as a supplemental feeding when signs of deficiencies appear.
Bananas		

### Recommended Application For Fruit And Nut Trees

To increase flower initiation and fruit set for increased yields of fruits and nuts.

Crop	Rate / Acre (Hectare)	Frequency / Notes
Almonds, Apricots, Citrus, Filberts, Kiwi, Nectarines, Peaches, Plums, Prunes and Walnuts	3 to 5 qts. (7 - 11 Liters)	Apply at pink bud, popcorn or early bloom in adequate water to complete coverage. Begin at 3rd to 4th leaf stage. Apply every to 14 days based on crop requirements.
	7 - 9 qts. (16 - 21 Liters)	Apply at petal fall to 30 days after bloom. Spray with adequate water for complete coverage. 2 times per month for 3 to 4 months.

### Fertigation Rates

Drip Irrigation, Center Pivot, & Sprinkler Irrigation	2 1/2 gal - 4 gal per Acre (25 - 35 L per Ha)	Apply 3 to 6 times per growing season as needed
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**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.

Manufactured By:



**CAUTION:** Keep out of reach of children. In case of contact with eyes, flush immediately with copious amounts of water. Contact a physician. Do not take internally.