

**NEW &  
IMPROVED**



# TRIPLE 12+

## 12-12-12 LIQUID FERTILIZER *With* 42% SLOW RELEASE NITROGEN

- **BALANCED NUTRITIONAL SPRAY**
- **LOW SALT INDEX**
- **SAFE! NO CHLORIDES**

F106

**GUARANTEED ANALYSIS:**

Total Nitrogen (N) ..... 12%  
 6.9% Urea Nitrogen  
 5.1% Slowly Available Water Soluble Nitrogen\*  
 Available Phosphate (P<sub>2</sub>O<sub>5</sub>) ..... 12%  
 Soluble Potash (K<sub>2</sub>O) ..... 12%  
 Derived From: Urea, Methylene Urea, Potassium hydroxide,  
 Phosphoric Acid  
 \*5.1% slowly available Nitrogen from Methylene Urea.

**PRODUCT SPECIFICATIONS:**

Weight per gallon: .....11.16 lbs  
 Weight per liter .....1.34 Kg  
 pH .....9.5

**PRODUCT DESCRIPTION:**

Growth Products Triple 12 (12-12-12) with 42% Slow Release Nitrogen is a perfect balance of nitrogen, phosphorus and potassium. Triple 12 is made from only the highest quality technical and food grade sources. Growth Products Triple 12 contains 42% Slow Release Nitrogen (MDU - methylene urea) exclusively from Nitro-30 SRN. This combination of three nitrogen sources provides a continuous, steady source of nitrogen that will eliminate dips in the feeding cycle. Both the phosphorus and potassium are readily available for immediate plant utilization. Since all Growth Products fertilizers are TRUE LIQUID SOLUTIONS they are ideal for spray applications for turf, as well as foliar feeding and root injection of trees and ornamentals. Triple 12 WILL NOT SETTLE OUT OF SOLUTION. No special agitation is needed. Triple 12 is compatible with fungicides, herbicides and insecticides, and can be mixed and sprayed in one application.

**SUGGESTED USES:**

Growth Products Triple 12 Liquid Fertilizer provides you with a safe, reliable and uniform release of nutrients for all special turf applications, including those for bentgrass or rye overseeding. Triple 12 is made specifically for use in fertigation systems. Triple 12 is ideally suited for root injection of trees and shrubs, or for foliar spray applications.

**APPLICATION RECOMMENDATIONS:**

**General Turf Applications:** Growth Products Triple 12 can be applied throughout the growing season on warm, transitional and cool season grasses. Application can be started in early spring and continued through late fall at rates of 1/4 lb. N to 1 lb. N per 1,000 sq. ft. (114 g to 454 g / 100 m<sup>2</sup>). Dilute with water according to desired nitrogen rate per 1,000 sq. ft. (See chart)

- **IDEAL FOR ANNUALS, PERENNIALS & TREES**
- **FAST FOLIAR & ROOT UPTAKE**
- **PACKED WITH 36% NUTRIENTS!**

**TEES & GREENS:**

Apply on greens and tees at desired rate (1/10 lb. N to 1/8 lb. N) with a spray unit applying no less than 1 1/2 gallon of mix per 1,000 sq. ft. Triple 12 is compatible with most technical turf products. When mixing with other products be sure to check their dilution rates. Apply every 7 to 21 days or apply along with a summer disease program.

Turf Programs		
Application	Rate Per 1000 ft <sup>2</sup> (100 m <sup>2</sup> )	Notes
Cool & Warm Season Grasses	10 - 25 oz (318 - 796 ml)	Apply every 7 - 28 days
Newly Established Lawns, Overseeding	25 oz (796 ml)	Apply just after seeding.
Lawn Care	25 - 30 oz	Apply every 4 - 6 weeks
Pastures	3.3 gal per acre (31 L / Ha)	Apply every 2 months.

Turf Applications: Triple 12 Nitrogen Per Liquid Ounce (ml) Apply at desired Nitrogen Rate per 1,000 FT <sup>2</sup> (100 m <sup>2</sup> )		
12-12-12	Nitrogen Rate	Application Timing
10 oz 318 ml	1/10 lb. N 0.05 Kg N	Weekly release rate
12 oz 382 ml	1/8 lb. N 0.06 Kg N	2 weeks release rate
25 oz 796 ml	1/4 lb. N 0.12 Kg N	4 weeks release rate
30 oz 955 ml	1/3 lb. N 0.14 Kg N	6 weeks release rate
50 oz 1.5 L	1/2 lb. N 0.24 Kg N	8 weeks release rate

**LANDSCAPED BEDS:**

**Annuals, Perennials and Ornamentals:** Triple 12 provides an ideal 1:1:1 ratio for a broad variety of bedding plants. Apply Triple 12 in early spring, or at the time of planting, and repeat application every month. For small areas, mix 3 fluid oz. (6 tablespoons) in a gallon of water and drench soil around plants until runoff. For larger areas, use a reel sprayer at a rate of 1 qt (32 oz.) plus 11 gallons of water. Triple 12 can be applied using a hose-end sprayer, backpack sprayer, or watering can. Triple 12 does not contain chlorides or salts, which often cause leaf and root burn to delicate annuals.

**Turf Applications**  
**Triple 12 in 100 Gallons (400 L) of Tank Mix**  
**Nitrogen Rate per 1,000 FT<sup>2</sup> (100 m<sup>2</sup>)**

If You Apply	1/10 lb N	1/8 lb. N	1/4 lb. N	1/3 lb. N
	(0.05 Kg N)	(0.06 Kg N)	(0.12 Kg N)	(0.16 Kg N)
4 gal per 1,000 FT <sup>2</sup>	1.9 gal	2.4 gal	4.8 gal	6.4 gal
15 L per 100 m <sup>2</sup>	8.58 L	10.3 L	20.6 L	27.5 L
3 gal per 1,000 FT <sup>2</sup>	2.5 gal	3.3 gal	6.5 gal	8.5 gal
10 L per 100 m <sup>2</sup>	12.9 L	15.5 L	31 L	41.3 L
2 gal per 1,000 FT <sup>2</sup>	3.9 gal	4.8 gal	9.6 gal	12.7 gal
7.5 L per 100 m <sup>2</sup>	17.1 L	18.3 L	36.6 L	48.4 L
1 gal per 1,000 FT <sup>2</sup>	7.7 gal	9.6 gal	19.4 gal	25.5 gal
4 L per 100 m <sup>2</sup>	32.2 L	38.7 L	77.5 L	103 L

**Application Rate at 75 Gallons per 1,000 FT<sup>2</sup>**

Tank Size in Gallons	Quantity 12-12-12		
	1/2 lb N	1 lb N	2 lb N
75	48 oz	96 oz	1.45 gal
100	63 oz	116 oz	1.9 gal
150	96 oz	1.45 gal	2.9 gal
200	1.45 gal	2.9 gal	5.8 gal
300	2.2 gal	4.5 gal	9.1 gal
600	2.9 gal	5.8 gal	11.6 gal
1000	5 gal	10 gal	20 gal

For ground area method, measure below drip line of tree. Rates of 1/2 - 2 lbs of nitrogen are recommended. Evergreens usually require slightly higher nitrogen than deciduous trees

**ROOT & GROUND APPLICATION RATES:**

**Trees & Ornamentals:** Triple 12 is a true solution, does not need agitation, is non-abrasive, and can be used in IPM units. Inject no lower than 8" to 10" of soil where feeder roots extend. Start application of fertilizer approximately 2 1/2 ft. from tree trunk and extend two feet beyond drip line. A grid pattern should be laid out, and spacing should be every 2 1/2 ft. Inject approximately 1/2 gallon of fertilizer solution at each point. Use with correctly calibrated fertilizer injector equipment. A minimum of 5 gallons of tank mix should be applied per inch of tree diameter.

**Foliar Applications:** Triple 12 has a low salt index formulation and a neutral pH. It can be used as a foliar applied N-P-K source. Mix 1 gallon Triple 12 in 100 gallons of water and spray to run off.

**DBH Method:** 1/18 lb. per inch will apply 1.1 lbs. of nitrogen to an average DBH of 20 inches, 1/6 lb. per inch will apply 3.3 lbs. of nitrogen to the same diameter tree.

**MIXING:**

Triple 12 must be diluted with water prior to mixing with other nutrients or pesticides. High quality buffers allow Triple 12 to be blended with acidic or alkaline materials without detrimental effects. The following mixing procedures should be used after Triple 12 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. Be sure each product is mixed well before adding the next technical material. It is recommended to apply all of mixture in one day. Always use a jar test before mixing pesticides in your tank.

**Greenhouse & Outdoor Plant Care**

Plant Type	Rate	Notes
Annuals, Perennials	2.5 oz per 1 gal of water (20 ml per Liter water)	1 gal of mix will treat 10 sq. ft. Drench soil area around planted area. Repeat every 30 days.
Herbs & Vegetables	0.83 oz per 1 gal water (6 ml per Liter water)	1 gal of mix will treat 10 sq ft.
Greenhouse Bench, Bed, Trays or Containerized Plants	0.6 oz per 1 gal of water (5 ml per Liter water)	Drench until soil is saturated.

**Greenhouse & Nursery Injection Ratio**

1:100	100 PPM Nitrogen	Mix 8.3 oz in 1 gal water & set injector. (65 ml in 1 L water)
-------	------------------	---

**Tree Care DBH Method**

Lb. Nitrogen per Inch DBH	12-12-12 per 100 Gal of Water
1/18	106 fl oz
1/12	1.25 gallons
1/6	2.5 gallons

Apply 5 gallons of tank mix per inch diameter. Always measure diameter at 4 1/2 feet above ground level

**Nursery / Landscape Applications**

Application	Rate	Notes
Containerized Crops, Woody & Flowering Ornamentals, Foliage, Field-Grown Nursery Stock And Trees	Foliar Spray: 3 Quarts per 100 gal of water (750 ml in 100 L water)	Thoroughly spray to point of run-off. Apply every 2-4 weeks.
Hand Watering	0.8-1.6 oz per gal water	Saturate Soil - Apply Every 2-4 weeks

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).	
<b>STORAGE:</b> Keep container tightly closed. May be stored in unheated area, but keep from freezing. Store in areas inaccessible to children and pets.	
<b>DISPOSAL:</b> 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

**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.

Manufactured in the USA By: 

