



THE CLASSIC 18-3-6

LIQUID FERTILIZER SOLUTION *With*

50% SRN PLUS MICRONUTRIENTS

- PROVIDES DUAL EFFICIENCY - FOLIAR / ROOT
- A TRUE CLEAR SOLUTION

GUARANTEED ANALYSIS:	F106
Total Nitrogen (N)	18%
7.9% Urea Nitrogen	
1.1% Ammoniacal Nitrogen	
9.0% Slowly Available Water Soluble Nitrogen*	
Available Phosphate (P ₂ O ₅)	3%
Soluble Potash (K ₂ O)	6%
Copper (Cu)	0.05%
0.05% Chelated Copper (Cu)	
Iron (Fe)	0.1%
0.1% Chelated Iron (Fe)	
Manganese (Mn)	0.05%
0.05% Chelated Manganese (Mn)	
Zinc (Zn)	0.05%
0.05% Chelated Zinc (Zn)	

Derived From: Urea, Methylene Urea, Potassium Carbonate, Poly ammonium Phosphate, Copper EDTA Chelate, Iron EDTA Chelate, Manganese EDTA Chelate, Zinc EDTA Chelate.
Chelating Agent: EDTA
 *50% Slowly Available Nitrogen from Methylene Urea

PRODUCT SPECIFICATIONS:

Weight per gallon	10.58 lbs.
Weight per liter	1.26 kg
pH	9
1 gallon contains	1.9 lbs nitrogen
1 liter contains	0.22 kg nitrogen
Potential acidity equivalent to 573 lbs. Calcium Carbonate per ton.	

PRODUCT DESCRIPTION:

Growth Products 18-3-6 with 50% Slow Release Nitrogen plus micronutrients is a professional liquid fertilizer solution made from only the highest quality N-P-K raw materials and micronutrients to assure a safe, reliable and efficient product. 18-3-6 provides a balance of quick release nitrogen for initial green up and 50% slow release nitrogen for a continuous steady feeding. 18-3-6 contains methylene urea from Nitro-30 (MDU), which resists leaching and provides a release over 8-12 weeks. The phosphorus and potassium are readily available for both foliar and root uptake. The K is a non-chloride source. 18-3-6 provides fast green up without producing flush growth. Since all Growth Products are TRUE CLEAR SOLUTIONS, they are ideal for spray applications for turf, foliar feed and root injection of trees and ornamentals. Growth Products solutions are non-clogging and non-abrasive to equipment. No special agitation is needed. 18-3-6 is compatible with fungicides, herbicides and insecticides and can be mixed and sprayed in one application.

SUGGESTED USES:

Growth Products 18-3-6 liquid fertilizer is recommended for all turf grass applications, including Bentgrass, Rye, Fescue and

- LOW SALT INDEX
- NO NITRATES / NO CHLORIDES

warm season grass. 18-3-6 can be safely used on Rye overseeded areas. 18-3-6 is ideal for both foliar spray and soil injection of trees and shrubs. 18-3-6 is compatible with herbicides, fungicides and insecticides. No special agitation is needed.

APPLICATION RECOMMENDATIONS:

General Turf Applications: Growth Products 18-3-6 liquid fertilizer can be applied throughout the growing season on warm, transitional and cool season grasses. Application can begin in early spring and continue through fall at rates of 1/4 lb. to 3/4 lb. N (121 ml to 1.4 L) every 4-10 week intervals, (or as needed) per 1,000 sq. ft. (100 m²). Dilute with water according to desired nitrogen rate per 1,000 sq. ft. (100 m²). (See dilution chart for application rates.)

Tees & Greens: Apply 7 to 9 oz. (1/10 to 1/8 lb. N) on greens and tees per 1,000 sq. ft. every 7 - 14 days with a spray unit applying no less than 1-2 gal. tank mix per 1,000 sq. ft. This is the recommended rate for Bentgrass greens and tees. 18-3-6 is

Foliar Turf Applications		
Application	Rate / 1,000 FT ² (100 m ²)	Frequency
Tees & Greens	7 - 8 oz. (214 - 267 ml)	Every 7-14 Days
Fairways & Roughs	17 - 20 oz. (535 - 642 ml)	Apply Every 21 - 28 Days
Sports Turf	17 - 20 oz. (535 - 642 ml)	Apply Monthly
Sod	17 - 20 oz. (535 - 642 ml)	Apply Monthly
Lawn Care	10 - 20 oz.	Apply As Needed

Turf Applications:		
18-3-6 Nitrogen Per Liquid Ounce (ml)		
Apply at desired Nitrogen Rate per 1,000 FT ² (100 m ²)		
18-3-6	Nitrogen Rate	Application Timing
7 oz 214 ml	1/10 lb. N 0.05 Kg N	1 week release rate
8 oz 267 ml	1/8 lb. N 0.06 Kg N	2 weeks release rate
17 oz 535 ml	1/4 lb. N 0.12 Kg N	4 weeks release rate
22 oz 649 ml	1/3 lb. N 0.14 Kg N	6 weeks release rate
34 oz 1 L	1/2 lb. N 0.24 Kg N	8 weeks release rate
50 oz 1.6 L	3/4 lb. N 0.36 Kg N	10 weeks release rate

compatible with most technical turf products. Always use a jar test before mixing pesticides in your tank. In Southern areas where Rye overseeding is practiced, use 18-3-6 at a rate of 1/8 to 1/3 lb. nitrogen every 10 to 17 days to assure a steady and continuous source of nutrients.

TREE CARE RECOMMENDATIONS:

Root Application Rates: For determining tree fertilization rates, measure the trunk diameter of the tree (DBH) 4 1/2 feet above ground. Growth Products liquid fertilizers should be injected into the top 4 to 8 inches of soil where feeder roots extend. Start application of fertilizer approximately 2 - 3 feet from tree trunk and extend the same distance from the drip line. A grid pattern should be laid out, and spacing should be every 2 1/2 ft. A minimum of 5 gallons of tank mix should be applied per inch of tree diameter. Inject approximately 1/2 gal. of fertilizer solution at each point.

Trees & Ornamentals: Growth Products liquid fertilizers contain methylene urea, which has an extremely low salt index and resists leaching. 18-3-6 is a true solution and is ideal for root injection and for use through IPM units. Inject no lower than 8" below ground with correctly calibrated fertilizer injector equipment.

DILUTION & MIXING:

18-3-6 can be diluted by either adding the concentrate to water, or the water to concentrate without any detrimental effects on the final product. Appropriate quantities of water should be added to the tank prior to adding pesticides, fungicides or herbicides. Never mix concentrated materials together without first diluting with water.

High quality buffers allow 18-3-6 to be blended with acidic or alkaline materials. The following mixing procedures should be used after 18-3-6 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 before adding next. When mixing technical materials, check each product's mixing instructions. Apply all of mixture the same day.

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.	

Turf Applications 18-3-6 in 100 Gallons (400 L) of Tank Mix Nitrogen Rate per 1,000 FT ² (100 m ²)				
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 ²	1.3 gal	1.6 gal	3.3 gal	4.3 gal
15 L per 100 m ²	5.8 L	7 L	14.0 L	18.6 L
3 gal per 1,000 FT ²	1.8 gal	2.2 gal	4.4 gal	5.8 gal
10 L per 100 m ²	8.7 L	10.5 L	21 L	28 L
2 gal per 1,000 FT ²	2.6 gal	3.3 gal	6.6 gal	8.7 gal
7.5 L per 100 m ²	11.7 L	12.4 L	24.8 L	32.8 L
1 gal per 1,000 FT ²	5.3 gal	6.6 gal	13 gal	17.3 gal
4 L per 100 m ²	22 L	26.2 L	52.5 L	69.9 L

Tree Care DBH Method	
Lb. Nitrogen per Inch DBH	18-3-6 per 100 Gal of Water
1/18	73 ounces
1/12	110 ounces
1/6	1.75 gallon

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

Application Rate at 75 Gallons per 1,000 FT ²			
Tank Size in Gallons	Quantity 18-3-6		
	1/2 lb N	1 lb N	2 lb N
75	0.25 gal	0.5 gal	1 gal
100	0.3 gal	0.6 gal	1.3 gal
150	0.5 gal	1 gal	2 gal
200	0.6 gal	1.3 gal	2.6 gal
300	1 gal	2 gal	4 gal
600	2 gal	4 gal	8 gal
1000	3.5 gal	7 gal	14 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

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

 H316 Causes Mild Skin Irritation
 H320 Causes 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.

