



14-7-14 ALL PURPOSE

With 50% TIME-RELEASED METHYLENE NITROGEN PLUS MICRONUTRIENTS

- **Low Salt Index, No Chlorides**
- **Crystal-Clear Solution**
- **Same Ratio As 20-10-20**

GUARANTEED ANALYSIS:

Total Nitrogen (N)14%
 7% Urea Nitrogen
 7% Slowly Available Water Soluble Nitrogen*

Available Phosphate (P₂O₅)7%
 Soluble Potash (K₂O)14%
 Boron (B)0.02%
 Magnesium (Mg)0.05%
 0.05% Chelated Magnesium (Mg)

Iron (Fe)0.1%
 0.1% Chelated Iron (Fe)

Manganese (Mn)0.05%
 0.05% Chelated Manganese (Mn)

Molybdenum (Mo)0.005%
 Zinc (Zn)0.025%
 0.025% Chelated Zinc (Zn)

Derived From: Urea, Methylene Urea, Potassium Carbonate, Phosphoric Acid, Iron EDTA Chelate, Magnesium Chelate EDTA, Manganese EDTA Chelate, Zinc EDTA Chelate, Sodium Molybdenum, Boric Acid.
 Chelating Agent: EDTA.
 *7% slowly available Nitrogen from Methylene Urea

Weight per gallon: 11.3 lbs.
 pH 10-11
 Potential acidity equivalent to 390 lbs. Calcium Carbonate per ton.

PRODUCT DESCRIPTION:

14-7-14 is a concentrated crystal-clear liquid solution in the 2-1-2 ratio that the horticultural industry favors, plus important micronutrients. The solution contains 7% Time-Released nitrogen from our exclusive methylene urea. Methylene nitrogen is the smart approach to nitrogen application. It has been University tested and found to be a very consistent and reliable nitrogen source that remains present and available to your plants for a longer period of time. It does not leach or volatilize and is not easily broken down. Its nitrogen will only be released by a combination of factors (heat, humidity, and microbial activity). This product's control release nitrogen produces a more consistent nitrogen feeding curve. Timing between fertilization can be extended. The slow release nitrogen is 'tackified' and is less likely to leach or volatilize. The potassium is completely soluble and therefore immediately available for plant uptake. It is ideal to use when plants are

- **Use As A Foliar Feed or Drench**
- **Provides Continuous Steady Feeding**
- **Contains All Essential Micronutrients**

maturing and blooming.

APPLICATION RECOMMENDATIONS:

14-7-14 needs no mixing and will not settle out of solution. Like all Growth Products formulations, it is ideal for any type of fertigation system, drip irrigation or spray equipment. Use 14-7-14 on all types of bedding plants, perennials, cut flowers, plugs, ornamentals, nursery crops, trees, foliage and container plants.

NURSERY APPLICATIONS		
Application	Rate	Notes
Containerized Crops, Woody Ornamentals, Flowering Ornamentals in Shadehouse or Greenhouse, Foliage, Field-Grown Nursery Stock And Trees	Foliar Spray: 1 gallon per 100 gal of water (1 L in 100 L water) Rate Per Gallon: 2½ - 5 oz per gal water	Thoroughly spray to point of run-off. Apply every 2-4 weeks.

Direct Siphon: 14-7-14 can be siphoned directly from the original container. This can be done with a variable proportioner that can be set to high ratios. This eliminates the need to mix stock concentrates or stir mixing barrels. For 100 PPM nitrogen, set injector to 1:1900; for 200 PPM, set injector to 1:950.

Parts Per Million: Use the Parts Per Million chart to choose desired nitrogen ratio.

Foliar Feeding: When using overhead irrigation, 14-7-14 gives you dual efficiency since the nutrients will be absorbed by both the leaves and roots. For tender plants and greenhouse foliar spray applications use one-half the rate (PPM) you would normally use for drip irrigation feeding.

Hand Watering: Mix ½ to ¾ teaspoon of 14-7-14 per gallon of water. Saturate soil with mix.

Capillary Mat Systems: Because 14-7-14 has an extremely low salt content it can be used in capillary mat systems and will eliminate the build up of salts in the mat system.

STORAGE & HANDLING:

Storage: All Growth Products horticultural fertilizers can be stored in normal warehouse areas. 14-7-14 has an alkaline pH and is not corrosive. Always store in original container and keep sealed.

14-7-14							
Fluid Ounces of 14-7-14 per Gallon of Stock Tank Water							
PPM Nitrogen	25	50	75	100	150	200	300
1:500	8	17	25	34	50	67	101
1:300	8	10	15	20	30	40	60
1:200	3	7	10	13	20	27	40
1:100	2	3	5	7	10	13	20
1:50	1	2	2.5	3	5	7	10
1:15 Ratio for Hozon Proportioner							
1:15	0.25	0.51	0.76	1.01	1.52	2.02	3.03

CROP PROGRAMS

Plant Type:

Application Rate:

Geranium
Set injector at 150-200 PPM of Nitrogen at a constant feed.
(75 - 96 ml per L water at 1:100 ratio)

New Guinea Impatiens
Set injector at 80-100 PPM of Nitrogen for the first 3 weeks. Thereafter, set injector to 150 PPM of Nitrogen.
(35 - 52 ml per L water at 1:100 ratio for first 3 weeks. Thereafter 73 ml per L water)

Poinsettia
Set injector at 125 PPM of Nitrogen at a constant feed.
(62 ml per L water at 1:100 ratio)

Chrysanthemums / Fluerette
Soil Application Rate: Set injector at 225 ppm Nitrogen every watering. Increase by 50-100 ppm of Nitrogen during winter months due to less watering.
(106 ml per L water at 1:100 ratio)

Soilless Application Rate: Set injector to 200 ppm of Nitrogen every watering. Increase by 50-100 ppm of Nitrogen during winter months due to less watering.
(96 ml per L water at 1:100 ratio)

Palms
Mix 2 gallons in 100 gal of water. Apply as a foliar spray monthly.
(2 L per 100 L water)

Plugs
Set injector to 100 PPM of Nitrogen.
(52 ml per L water at 1:100 ratio)

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.

Mixing: 14-7-14 is compatible with other technical chemicals including fungicides and insecticides and can be mixed and sprayed in one application. Do not mix products with high calcium content together with 14-7-14.

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:

