



BLOOMTASTIC STARTER PLUS 8-32-5

With SLOW RELEASE METHYLENE NITROGEN PLUS MICROS

- **No Chlorides**
- **Safe for Seedlings & Young Plants**
- **Extended Nitrogen Release**

GUARANTEED ANALYSIS:

Total Nitrogen (N)	8%
1% Urea Nitrogen	
3% Ammoniacal Nitrogen	
4% Slowly Available Water Soluble Nitrogen*	
Available Phosphate (P ₂ O ₅).....	32%
Soluble Potash (K ₂ O).....	5%
Boron (B).....	0.02%
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)	
Molybdenum (Mo)	0.0005%
Zinc (Zn)	0.05%
0.05% Chelated Zinc (Zn)	

Derived From: Urea, Methylene Urea, Potassium Carbonate, Polyammonium Phosphate, Phosphoric Acid, Iron EDTA, Manganese EDTA, Zinc EDTA, Copper EDTA, Sodium Molybdenum, Boric Acid. Chelating Agent: EDTA

*4% slowly available Nitrogen from Methylene Urea

TECHNICAL DATA:

Weight per gallon	11.45 lbs.
Weight per liter	1.37 kg.
pH	6 - 7
Potential acidity equivalent to	746 lbs. Calcium Carbonate per ton.

PRODUCT DESCRIPTION:

8-32-5 is perfect as a high phosphorus plant starter. 8-32-5 is excellent for seedlings, young plants and overseeding. The solution contains 4% Time-Released Nitrogen from our exclusive methylene urea. The Time-Released Nitrogen helps to feed young plants consistently, avoiding flush growth, which can be detrimental and contribute to disease susceptibility. Methylene Urea is known to be a very consistent and reliable nitrogen source that remains present and available to your plants for a longer period of time. Methylene Urea is not easily broken down, and its nitrogen will only be released by a combination of factors (heat, humidity, and microbial activity). The phosphorus and potassium are completely soluble and therefore immediately available for plant uptake. You can use less 8-32-5 than granular high phosphorus products since there is no need to wait for particle breakdown. 8-32-5 contains no chlorides, therefore making it safer to tender plants.

- **Promotes Buds & Flowering**
- **Complete Chelated Micro Package**
- **Stimulates Root Development**

APPLICATION RECOMMENDATIONS:

8-32-5 needs no mixing and will not settle out of solution. Like all G.P. Solutions, it is ideal for any type of fertigation system, drip irrigation or spray equipment. Use 8-32-5 on all types of bedding plants, perennials, cut flowers, plugs, ornamentals, nursery crops, trees, foliage and container plants.

Direct Siphon: 8-32-5 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 the mixing barrels. For 100 PPM phosphorus, set injector to 1:4400; for 200 PPM, set injector to 1:2200.

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

Foliar Feeding: When using overhead irrigation, 8-32-5 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 8-32-5 per gallon of water. Saturate soil with mix.

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 - 2 quarts per 100 gal of water (250 - 500 ml per 100 L water) Rate per Gallon: 1¼ - 2½ oz per gallon or 2½ - 5 tbsp per gallon of water	Thoroughly spray to point of run-off. Apply every 2 - 4 weeks.
	Injector Ratio: 3 - 6 oz per gallon of stock tank water. Set injector at 1:100 (23 - 47 ml per liter stock tank water)	Apply monthly or as needed to supplement nutritional requirements.

8-32-5 Bloomtastic PPM Rates

Fluid Ounces of Bloomtastic per Gallon of Stock Tank Water							
PPM Phosphorus	25	50	75	100	150	200	300
PPM Nitrogen	6	13	19	25	38	50	75
1:500	4	7	11	15	22	29	44
1:300	2	4	7	9	13	17	26
1:200	1.5	3	4	6	9	12	17
1:100	1	1.5	2	3	4	6	9
1:50	0.3	0.75	1	1.5	2	3	4
1:15 Ratio for Hozon Proportioner							
1:15	0.11	0.22	0.33	0.44	0.66	0.87	1.31

Greenhouse Crop Programs

Plant Type	Application Rate
Plant Starter, Seed Start, and Plug Starter	Set injector at 150 PPM of Phosphorus. (90 ml per liter water at 1:100 ratio)
Bloom Stimulator	Foliar Spray: 1 gallon per 100 gallons water. For smaller applications, mix 1 ounce per gallon of water. (1 L per 100 L water)
Greenhouse Foliar Spray Only	Transplanting: Mix 3 oz in 2½ gallons of water (88 ml in 10 L water) Soak plug tray or foliar spray after transplanting
	Propagation: 1 oz in 2½ gallons of water (30 ml in 10 L water) Apply to encourage flowering and fruiting. 10 - 14 day intervals.

Crop Recommendations

Application	Rate per acre (Ha)	Frequency / Notes
All Field Crops, Setting Vegetable Plugs into Field	1 quart - 1 gallon per 100 gallons water. Apply at time of planting. (250 - 500 ml per 100 L water)	Mix into planting water with 50 - 100 gal water per acre. (450 - 1,000 L water per Ha) Increases rooting and overall growth
Grapes and Vine Crops, such as (but not limited to): Kiwi, Wine and Table Grapes	1 quart - 2 gallons per 100 gal water or ½ - 1 gal through drip system. (250 - 500 ml per 100 Liters water or 5 - 9 Liters per Ha through drip system)	Apply after dormant period. Can be used for new transplants. Increases rooting and new overall growth.
Alfalfa, Hay, Forage Crops	1 quart - 2 gallons per acre (2 - 19 Liters per Ha)	Spray every 30 to 60 days. Can be spray with low volume water of 5 - 20 gal per acre. (140 - 187 L water per Ha) Increases stem strength.
Rice (Seed and Paddy) & Other Grain Crops	3.3 fl. oz. per 5 gal water (100 ml per 20 Liters water)	Apply 15 - 25 days after planting in field. Promotes rooting and seed making.
Berries, such as (but not limited to): Blueberry, Blackberry, Raspberry, Strawberry	32 - 64 fl. oz. per 100 gal water (250 - 500 ml per 100 Liter water)	Apply at time of transplant to encourage rooting and flowering.
Fruiting Vegetables, such as (but not limited to): Peppers, Tomato, Eggplant, Okra, Tomatillo	½ - 2 gal per acre as a foliar spray. (500 ml - 2 liters per Ha)	Apply 4 weeks prior to bloom. Increases flowering and pollenation. Apply every 30 days or as needed.

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

H315 Causes Skin Irritation
H320 Causes Eye Irritation (Burning)
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.**

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