

STARTER PLUS BLOOMTASTIC 8-32-5

20740USA-20190521

GROWTH[®] PRODUCTS

THE LIQUID SOLUTIONS COMPANY

**PROFESSIONAL LIQUID FERTILIZERS &
MICRONUTRIENTS**

BAR CODE

Net Wt. 26.45 lbs. (12.6 kg)

Shake Well Before Using

2 1/2 Gallons (9.46 Liters)

STARTER PLUS BLOOMTASTIC 8-32-5

F000106



GUARANTEED ANALYSIS:

Total Nitrogen (N)	8%
2% Ammoniacal Nitrogen	
2% Urea Nitrogen	
4% 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, Ammonium Polyphosphate, Phosphoric Acid, Copper EDTA, Iron EDTA, Manganese EDTA, Zinc EDTA, Sodium Molybdate, Boric Acid.

*4% slowly available Nitrogen from Methylene Urea

PRODUCT SPECIFICATIONS:

pH	7
Weight per gallon:	11.45 lbs.
Weight per Liter	1.26 Kg

FIRST AID

IF SWALLOWED:	Call a poison center or doctor. 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

H303 May be Harmful if Swallowed
H316 Causes Mild Skin Irritation
H320 Causes Eye Irritation
H335 May Cause Respiratory Irritation

**Another quality product from:
Growth Products, Ltd.**

21417 County Rd - 1950 E
Princeton, IL 61356 USA
Questions? Call (800) 648-7626



www.growthproducts.com • questions@growthproducts.com

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

Information regarding the contents and levels of metals in this product is available on the internet at <http://www.aapfc.org/metals.htm>

20240USA-201905021

Turf Applications: Starter Plus Bloomtastic 8-32-5 Phosphorus Per Liquid Ounce (ml)

Apply at desired phosphorus rate per 1,000 FT²

Starter Plus Bloomtastic 8-32-5	Phosphorus Rate
11 oz 245 ml	1/4 lb. P 0.12 Kg P
15 oz 368 ml	1/3 lb. P 0.15 Kg P
22 oz 490 ml	1/2 lb. P 0.24 Kg P

Turf Applications

Application	Rate Per 1,000 FT ² (100 m ²)	Frequency
Tees & Greens	11 - 22 oz. (325-650 ml)	Apply at the time of seeding with no less than 1.5 gal of tank mix.
Overseeding	19 oz. (560 ml)	Apply 9 oz every 14 to 28 days until turf is fully established.
Hydroseeding	17 - 20 oz. (535 - 642 ml)	Apply Monthly. May be tank mixed with seed and slurry mix
Sod	17 - 20 oz. (535 - 642 ml)	Apply Monthly
Lawn Care	34 oz. (1L)	Apply every 6-8 weeks

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.

Greenhouse & Nursery Injection Ratio

1:100	50 PPM Nitrogen 60 PPM Iron 5 PPM Mg, Cu, Mn, Zn	9 oz per gallon of water (266 ml in 4 L water)
-------	--	---

Programs

Application	Rate
Plant Starter, Seed Start, and Plug Starter	Set injector at 150 PPM of Phosphorus. (30 ml per Liter water at 1:100 ratio)
Bloom Stimulator	Foliar Spray: 1 gallon per 100 gallons water. For smaller applications, mix 1 oz per gallon water. (1 L per 100 L water)
Setting Vegetable Plugs into Field	1 gallon per 100 gallons water. Apply at time of planting. (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 at 10 - 14 day intervals as needed.
Hand Watering	Mix 1/2 - 3/4 teaspoon Starter Plus Bloomtastic 8-32-5 per gal water

Starter Plus Bloomtastic 8-32-5 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

Crop Recommendations

Application	Rate per acre (Ha)	Frequency / Notes
<p style="text-align: center;">All Field Crops, Setting Vegetable Plugs into Field</p>	<p style="text-align: center;">1 quart - 1 gallon per 100 gallons water. Apply at time of planting. (250 - 500 ml per 100 L water)</p>	<p style="text-align: center;">Mix into planting water with 50 - 100 gal water per acre. (450 - 1,000 L water per Ha)</p>
<p>Grapes and Vine Crops, such as (but not limited to): Kiwi, Wine and Table Grapes</p>	<p style="text-align: center;">1 quart - 2 gallons per 100 gal water or $\frac{1}{2}$ - 1 gal through drip system. (250 - 500 ml per 100 Liters water or 5 - 9 Liters per Ha through drip system)</p>	<p style="text-align: center;">Apply after dormant period. Can be used for new transplants.</p>
<p style="text-align: center;">Alfalfa, Hay, Forage Crops</p>	<p style="text-align: center;">1 quart - 2 gallons per acre (2 - 19 Liters per Ha)</p>	<p style="text-align: center;">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)</p>
<p>Rice (Seed and Paddy) & Other Grain Crops</p>	<p style="text-align: center;">3.3 fl. oz. per 5 gal water (100 ml per 20 Liters water)</p>	<p style="text-align: center;">Apply 15 - 25 days after planting in field.</p>
<p>Berries, such as (but not limited to): Blueberry, Blackberry, Raspberry, Strawberry</p>	<p style="text-align: center;">32 - 64 fl. oz. per 100 gal water (250 - 500 ml per 100 Liter water)</p>	<p style="text-align: center;">Apply at time of transplant.</p>
<p>Fruiting Vegetables, such as (but not limited to): Peppers, Tomato, Eggplant, Okra, Tomatillo</p>	<p style="text-align: center;">$\frac{1}{2}$ - 2 gal per acre as a foliar spray. (500 ml - 2 liters per Ha)</p>	<p style="text-align: center;">Apply 4 weeks prior to bloom. Apply every 30 days or as needed.</p>