

Osmocote® Blend

18-5-12



SKU - A98605
Packaging - 50 lb

Osmocote® Blend 18-5-12 8-9 month is a quickstart formulation that is made with 100% resin-coated N-P-K homogenous nutrient cores blended with uncoated homogenous N-P-K prills and STEP Hi-Mag micronutrient granules.

The uncoated N-P-K granules release quickly when watered to charge the growing media or provide nitrogen for the draft that occurs in green bark.

Target Crops/ Special Uses

Osmocote® Blend 18-5-12 8-9 Month works great in container grown nursery plants and is commonly used in landscape containers and flower beds. The Quickstart helps the newly planted beds and containers establish and fill in quickly. The 100% resin-coated nutrient cores take in moisture and slowly feed the plants for up to 9 months.

Because Osmocote® Blend 18-5-12 fertilizer cores contain only Ammoniacal and Nitrate Nitrogen, with a top quality resin coating, we can confidently recommend this product in production nurseries, landscape containers and flower beds. The STEP Hi-Mag micronutrient package supplies a variety of water soluble minor nutrients to insure that all the plant needs are being met in a wide variety of conditions.



PRODUCT ADVANTAGES

- Contains Quickstart nutrients to quickly establish transplants and help account for nitrogen use in green bark media
- Blended with a spectrum of 100% resin-coated N-P-K nutrient cores
- Contains STEP Hi-Mag to provide a balance of micronutrients to maximize plant growth

Where needs take us

AICL Specialty
Fertilizers



Longevity at the following Average Media Temperature (F)			
60°F (15°C)	70°F (21°C)	80°F (26°C)	90°F (32°C)
9 - 10 MONTHS	8 - 9 MONTHS	6 - 7 MONTHS	5 - 6 MONTHS

GUARANTEED ANALYSIS

F1877

Total Nitrogen (N)*	18%
9.5% Ammoniacal Nitrogen	
8.5% Nitrate Nitrogen	
Available Phosphate (P ₂ O ₅)*	5%
Soluble Potash (K ₂ O)*	12%
Magnesium (Mg)	0.7%
0.4% Water Soluble Magnesium (Mg)	
Sulfur (S)*	5.0%
5.0% Combined Sulfur (S)	
Iron (Fe)	0.5%
0.0006% Water Soluble Iron (Fe)	
Manganese (Mn)	0.1%
0.07% Water Soluble Manganese (Mn)	
Zinc (Zn)	0.06%
0.0006% Water Soluble Zinc (Zn)	

Derived From: Polymer-coated: Ammonium Nitrate, Ammonium Phosphate, Calcium Phosphate, Potassium Sulfate; Ammonium Nitrate, Ammonium Phosphate, Calcium Phosphate, Potassium Sulfate, Magnesium Sulfate, Magnesium Oxide, Ferrous Sulfate, Iron Oxide, Manganese Sulfate, Manganese Oxide, Zinc Sulfate, Zinc Oxide

* The Nitrogen, Phosphate, and Potash sources have been coated to provide 16.35% coated slow-release Nitrogen (N), 4.54% coated slow-release available Phosphate (P₂O₅), 10.9% coated slow-release soluble Potash (K₂O).

APPLICATION RATES

The application rates listed are intended as a guideline in developing a fertilization program. These rates may or may not apply to your area or growing conditions. It is the responsibility of the grower to determine the appropriate rate. Your rate may be higher or lower than suggested based on your growing conditions. Follow label instructions and use care when handling all fertilizer products.

FOR PROFESSIONAL USE ONLY

ICL Specialty Fertilizers recommends a product trial prior to adopting a new fertilizer program. Product selection and application rate should be based on individual grower practice. The following are general recommendations only.

NOT RECOMMENDED FOR USE IN GREENHOUSES

SUGGESTED APPLICATION RATES:

CONTAINER NURSERY STOCK SUGGESTED APPLICATION AND RATES

Product selection and application rates should be based on individual grower practices. Some factors that influence selection include:

- Climate
- Specific Crop
- Type of Growing Media
- Other Nutrient Sources
- Irrigation Type
- Rainfall Amount

NURSERY TOPDRESS RATES PER CONTAINER (GRAMS)**

SURFACE APPLICATION RATES PER CONTAINER (GRAMS)				
Common Container Sizes (Volume)	Approx. No. of Containers per Cubic Yard***	Low	Medium	High
191 qt.	850	4	6	8
2 qt.	400	8	12	17
Trade 1 gal.	300	11	17	23
1 gal.	210	15	24	32
Trade 2 gal.	125	25	40	54
2 gal.	102	31	49	67
3 gal.	70	45	71	97
5 gal.	52	61	96	131
7 gal.	35	91	143	195

Larger Containers	Surface Area in sq. ft.	Low	Medium	High
10 Gallon - 17" diam.	1.4	110	173	235
15 Gallon - 17.5"	1.5	118	185	252
20 Gallon - 21"	2.3	180	284	387
25 Gallon - 22.5"	2.8	220	345	471
30 Gallon - 26.5" diam.	3.8	298	469	639
45 Gallon - 30" diam.	4.8	377	592	807
65 Gallon - 30" diam.	4.8	377	592	807
100 Gallon - 36" diam.	7.1	557	875	1194
200 Gallon - 48.5" diam	12.8	104	1578	2152
24 inch box	4.0	314	493	673
30 inch box	6.25	490	771	1051
36 inch box	9.0	706	1110	1513
48 inch box	16.0	1256	1973	2690
Other Larger Containers - multiply the actual container surface area in sq. ft. by these rates:		78	123	168

*** Actual container fill rates may vary depending on container brand, specific growing media and fill method.

SUGGESTED NURSERY & LANDSCAPE APPLICATION RATES

INCORPORATION RATES	LOW	MEDIUM	HIGH
Lb. per cubic yard	7.0	11.0	15.0
Kg. per cubic meter	4.2	6.5	8.9
Grams per liter	4.2	6.5	8.9
LANDSCAPE RATES	LOW	MEDIUM	HIGH
Lbs. per 1,000 sq. ft.	11.0	19.5	28.0
Kg. per 100 sq. meters	5.4	9.5	13.7
Lbs. of N per 1,000 sq. ft.	2.0	3.5	5.0

APPROXIMATE VOLUME MEASURES / MEDICIONES APROXIMADAS DEL VOLUMEN							
ICL Yellow Spoons (level)	#1	#2	#3	#4	#5	#6	#7
Approximate Weight (in grams)	9	13	17	35	46	68	92
Conventional Measures (level)	1 tsp.	1 tbsp.	¼ c.	⅓ c.	½ c.	1 c.	
Approximate Weight (in grams)	5	15	64	86	129	258	

28 grams = 1 oz. / 454 grams = 1 lb. 28 gramos = 1 oz. / 454 gramos = 1 lb.