

# Osmocote® Blend

## 18-5-12



SKU - A98620  
Packaging - 50 lb

Osmocote® Blend 18-5-12 5-6 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 5-6 month works great in container grown nursery plants and is commonly used in landscape containers and flower beds. The quickstart portion of the blend helps the plants in newly planted flower 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 6 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)
6-7 MONTHS	5-6 MONTHS	4-5 MONTHS	3-4 MONTHS

## GUARANTEED ANALYSIS

F1877

Total Nitrogen (N)*	18%
9.5% Ammoniacal Nitrogen	
8.5% Nitrate Nitrogen	
Available Phosphate (P <sub>2</sub> O <sub>5</sub> )*	5%
Soluble Potash (K <sub>2</sub> 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 (P<sub>2</sub>O<sub>5</sub>), 10.9% coated slow-release soluble Potash (K<sub>2</sub>O).

## 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
1 qt.	850	2	5	6
2 qt.	400	5	10	12
Trade 1 gal.	300	7	13	17
1 gal.	210	10	18	24
Trade 2 gal.	125	16	31	40
2 gal.	102	20	38	49
3 gal.	70	29	55	71
5 gal.	52	39	74	96
7 gal.	35	58	110	143

Larger Containers	Surface Area in sq. ft.	Low	Medium	High
10 Gallon - 17" diam.	1.4	71	133	173
15 Gallon - 17.5"	1.5	76	143	185
20 Gallon - 21"	2.3	116	219	284
25 Gallon - 22.5"	2.8	141	267	345
30 Gallon - 26.5" diam.	3.8	192	362	469
45 Gallon - 30" diam.	4.8	242	457	592
65 Gallon - 30" diam.	4.8	242	457	592
100 Gallon - 36" diam.	7.1	358	677	875
200 Gallon - 48.5" diam	12.8	646	1220	1578
24 inch box	4.0	202	381	493
30 inch box	6.25	315	596	771
36 inch box	9.0	454	858	1110
48 inch box	16.0	807	1525	1973
Other Larger Containers - multiply the actual container surface area in sq. ft. by these rates:		50	95	123

\*\*\* 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	4.5	8.5	11.0
Kg. per cubic meter	2.7	5.0	6.5
Grams per liter	2.7	5.0	6.5
LANDSCAPE RATES	LOW	MEDIUM	HIGH
Lb. per 1000 sq. ft.	11.0	16.5	22.0
Kg. per 100 sq. m.	5.4	8.1	10.7
Lb. of N per 1000 sq. ft.	2.0	3.0	4.0

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.	1/4 c.	1/3 c.	1/2 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.