

Osmocote® Blend

18-5-8



SKU - A90175
Packaging - 50 lb

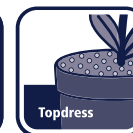
Features

- 18% Nitrogen
- 100% coated N-P-K
- Elevated Magnesium
- High Sulfur
- Low P:N ratio
- High Iron
- Stage micronutrient
- Tested

Osmocote® Blend 18-5-8 3-4M is our latest blended formulation which combines our Osmocote 100% resin coat prills with our newest E-max polymer coated technologies. Micronutrients are derived from multiple sources to provide a starter charge and two different controlled release coated forms for sustained delivery throughout the predefined product release period.

Target Crops/ Special Uses

A broad range of perennials. Many nursery plants including: trees (maples, oaks, conifers, dogwoods, etc.); shrubs (azaleas, rhododendrons, magnolias, roses, spirea, etc.). Many greenhouse crops: petunias, bacopa, calibrachoa, vegetative spring crops, ornamental grasses, pansy, snapdragons, vinca, any crop prone to micronutrient and iron chlorosis. Great when growing with high alkalinity irrigation water, high growing media pH.



PRODUCT ADVANTAGES

- Higher Nitrogen reduces rates and the fertilizer cost per container.
- Safe & predictable nutrient release.
- Magnesium is part of the chlorophyll molecule and Mg promotes greener foliage and better growth. Helps recharge the media when calcium bicarbonates cause leaching.
- Sulfur (S) is often lacking in growing system. Low S can lead to stunted, yellow plants. Sulfur also helps to buffer increasing media pH levels.
- Helps prevent plant stretch, reduces leaching while meeting plant needs.
- Helps maintain green foliage on iron inefficient plants. Excellent for areas with highly alkaline irrigation water. Contains a starter charge *plus two coated forms of iron* to provide 3 separate presentations of Iron to the plants.
- Soluble micronutrients ensure plants get off to a good start after application; controlled release micronutrients provide a sustained micronutrient supply throughout the growing cycle.

Where needs take us





Longevity at the following Average Media Temperature (F)			
60°F (15°C)	70°F (21°C)	80°F (26°C)	90°F (32°C)
4 – 5 MONTHS	3 – 4 MONTHS	2 – 3 MONTHS	1 – 2 MONTHS

GUARANTEED ANALYSIS

F1877

Total nitrogen (N)*	18%
6.3% ammoniacal nitrogen	
5.4% nitrate nitrogen	
6.3% urea nitrogen	
Available phosphate (P ₂ O ₅)*	5%
Soluble potash (K ₂ O)*	8%
Calcium (Ca)*	1.3%
Magnesium (Mg)*	1.3%
0.77% water soluble magnesium (Mg)	
Sulfur (S)	5.9%
5.9% combined sulfur (S)	
Boron (B)	0.02%
Copper (Cu)	0.13%
0.13% water soluble copper (Cu)	
Iron (Fe)*	3.03%
2.91% water soluble iron (Fe)	
0.0021% chelated iron (Fe)	
Manganese (Mn)	0.36%
0.36% water soluble manganese (Mn)	
Molybdenum (Mo)*	0.014%
Zinc (Zn)	0.14%
0.14% water soluble zinc (Zn)	

Derived from: Polymer Coated: Urea, Ammonium Nitrate, Ammonium Phosphate, Potassium Sulfate, Calcium Phosphate, Magnesium Sulfate, Sodium Borate, Iron Phosphate, Ferric Sulfate, Iron EDTA, Manganese Sulfate, Sodium Molybdate, Zinc Sulfate; Calcium Magnesium Carbonate, Magnesium Oxide, Magnesium Sulfate, Sodium Borate, Copper Sulfate, Ferrous Sulfate, Manganese Sulfate, Sodium Molybdate, Zinc Sulfate

* The nitrogen, phosphate, potash, calcium, magnesium, sulfur, boron, iron, molybdenum sources have been coated to provide 15.61% coated slow-release nitrogen (N), 4.25% coated slow-release available phosphate (P₂O₅), 6.8% coated slow-release soluble potash (K₂O), 0.52% coated slow-release calcium (Ca), 0.37% coated slow-release magnesium (Mg), 3.48% coated slow-release sulfur (S), 0.006% coated slow-release boron (B), 0.60% coated slow-release iron (Fe), 0.0062% coated slow-release molybdenum (Mo).

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.

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

GREENHOUSE & 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
6 inch Azalea/ HB (1.5 qt)	539	3	6	8
6 inch Standard (1.75 qt)	462	3	7	10
6.5 inch Azalea (1.8 qt)	449	3	7	10
8 inch Azalea/ HB (3 qt)	269	5	12	17
8 inch Mum Pan (1 gal)	260	5	12	17
9 inch Mum Pan (1.25 gal)	166	8	19	27
10 inch Hanging Basket (1.5 gal)	150	9	21	30
12 inch Color Bowl (2 gal)	112	12	28	41
12 inch Hanging Basket (2.25 gal)	100	14	32	45
1 Quart	850	2	4	5
2 quart	400	3	8	11
Trade 1 Gallon	300	5	11	15
1 Gallon	210	6	15	22
Trade 2 Gallon	125	11	25	36
2 Gallon	102	13	31	45
3 Gallon	70	19	45	65
5 Gallon	52	26	61	87
7 Gallon	35	39	91	130

Larger Containers	Surface Area in sq. ft.	Low	Medium	High
10 Gallon - 17" diam.	1.4	47	110	157
15 Gallon - 17.5"	1.5	50	118	168
20 Gallon - 21"	2.3	77	180	258
25 Gallon - 22.5"	2.8	94	220	314
30 Gallon - 26.5" diam.	3.8	128	298	426
45 Gallon - 30" diam.	4.8	161	377	538
65 Gallon - 30" diam.	4.8	161	377	538
100 Gallon - 36" diam.	7.1	239	557	796
200 Gallon - 48.5" diam	12.8	430	1004	1435
24 inch box	4.0	135	314	448
30 inch box	6.25	210	490	701
36 inch box	9.0	303	706	1009
48 inch box	16.0	538	1256	1794
Other Larger Containers – multiply the actual container surface area in sq. ft. by these rates:		34	78	112

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

SUGGESTED GREENHOUSE & NURSERY APPLICATION RATES

INCORPORATION RATES	LOW	MEDIUM	HIGH
Lb. per cubic yard	3.0	7.0	10.0
Kg. per cubic meter	1.8	4.2	5.9
Grams per liter	1.8	4.2	5.9

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	36	47	70	94
Conventional Measures (level)	1 tsp.	1 tbsp.	¼ c.	⅓ c.	½ c.	1 c.	
Approximate Weight (in grams)	5	15	59	79	118	234	

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



www.icl-sf.com

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