

Osmocote® Blend

20-4-8



SKU - A90170
Packaging - 50 lb

Osmocote® Blend 20-4-8 8-9 month contains resin-coated N-P-K, Poly-S® coated Urea, IBDU and STEP® Hi-Mag micronutrients. The IBDU in this blend starts releasing independently of the temperature as it is activated by water. Poly-S® is a Polymer-Coated, Sulfur-Coated Urea (PSCU) is exclusive to ICL Specialty Fertilizers. It carries significantly more coating than the average PSCU on the market. Poly-S® releases Nitrogen through fissures in the Sulfur coating and diffusion through the polymer coating.

Target Crops/ Special Uses

Osmocote® Blend 20-4-8 8-9 month is used in outside container nurseries, foliage plants, and landscapes as a multi-purpose fertilizer. It does well when used on a wide variety of plants that are grown in bark mixes. The IBDU starts the earliest in the cool season. The Poly-S® in this formulation releases a bit stronger push of Nitrogen in the earlier stages of the release period and the resin-coated fertilizer continues the feed out to the 8-9 month range. It is also used on landscape bed soils and in large outdoor containers for a season long feed.



PRODUCT ADVANTAGES

- For general purpose outdoor production of nursery stock, foliage and in landscapes.
- Contains resin-coated N-P-K blended with micronutrients and Poly-S®, to deliver nutrition consistently within specified longevities.
- Can be incorporated or surface applied.

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)
9 - 10 MONTHS	8 - 9 MONTHS	6 - 7 MONTHS	5 - 6 MONTHS

GUARANTEED ANALYSIS

F1877

Total Nitrogen (N)*	20%
6.9% Ammoniacal Nitrogen	
6.1% Nitrate Nitrogen	
3.9% Urea Nitrogen	
3.2% Water Insoluble Nitrogen**	
Available Phosphate (P ₂ O ₅)*	4%
Soluble Potash (K ₂ O)*	8%
Calcium (Ca)*	1.2%
Magnesium (Mg)	1.3%
0.6% Water Soluble Magnesium (Mg)	
Sulfur (S)*	6.2%
4.2% Combined Sulfur (S)	
2.0% Free Sulfur (S)	
Copper (Cu)	0.05%
0.001% Water Soluble Copper (Cu)	
Iron (Fe)	0.92%
0.001% Water Soluble Iron (Fe)	
Manganese (Mn)	0.34%
0.23% Water Soluble Manganese (Mn)	
Zinc (Zn)	0.11%
0.001% Water Soluble Zinc (Zn)	

Derived From: Polymer-Coated, Sulfur-Coated Urea; Isobutylene Diurea, Polymer-Coated: Ammonium Nitrate, Ammonium Phosphate, Potassium Sulfate, Calcium Phosphate; Magnesium Sulfate, Magnesium Oxide, Copper Sulfate, Copper Oxide, Ferrous Sulfate, Iron Oxide, Manganese Sulfate, Manganese Oxide, Zinc Sulfate, Zinc Oxide

* Contains 19% slow release Nitrogen from coated slowly available and water insoluble Nitrogen sources, 4% coated slow-release available Phosphate (P₂O₅) and 8% coated slow-release soluble Potash (K₂O), 1.02% coated slow release Calcium (Ca), and 3.15% coated slow release Sulfur (S).

** WIN (Water Insoluble Nitrogen) is stated on an unground basis. Powdered or ground samples will analyze 2.1% WIN.

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

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	3	5	7
2 qt.	400	7	11	15
Trade 1 gal.	300	10	15	20
1 gal.	210	14	22	29
Trade 2 gal.	125	24	36	49
2 gal.	102	29	45	60
3 gal.	70	42	65	88
5 gal.	52	57	87	118
7 gal.	35	84	130	175

Larger Containers	Surface Area in sq. ft.	Low	Medium	High
10 Gallon - 17" diam.	1.4	102	157	212
15 Gallon - 17.5"	1.5	109	168	227
20 Gallon - 21"	2.3	168	258	348
25 Gallon - 22.5"	2.8	204	314	424
30 Gallon - 26.5" diam.	3.8	277	426	575
45 Gallon - 30" diam.	4.8	350	538	726
65 Gallon - 30" diam.	4.8	350	538	726
100 Gallon - 36" diam.	7.1	517	796	1074
200 Gallon - 48.5" diam	12.8	933	1435	1937
24 inch box	4.0	291	448	605
30 inch box	6.25	455	701	946
36 inch box	9.0	656	1009	1362
48 inch box	16.0	1166	1794	2421
Other Larger Containers - multiply the actual container surface area in sq. ft. by these rates:		73	112	151

*** 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	6.5	10.0	13.5
Kg. per cubic meter	3.9	5.9	8.0
Grams per liter	3.9	5.9	8.0

LANDSCAPE RATES	LOW	MEDIUM	HIGH
Lb. per 1000 sq. ft.	10.0	17.5	25.0
Kg. per cubic meter	4.9	8.5	12.2
Lb. of N per 1000 sq. ft.	2.0	3.5	5.0z

APPROXIMATE VOLUME MEASURES / MEDICIONES APROXIMADAS DEL VOLUMEN

ICL Yellow Spoons (level)	#1	#2	#3	#4	#5	#6	#7
Approximate Weight (in grams)	8	12	16	34	45	68	90
Conventional Measures (level)	1 tsp.	1 tbsp.	¼ c.	⅓ c.	½ c.	1 c.	
Approximate Weight (in grams)	5	15	60	80	120	240	

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