

# Osmocote® Blend

## 23-4-8



SKU - A90249  
Packaging - 50 lb

Osmocote® Blend 23-4-8 5-6 month features our E-Max Coated Urea Technology is one of our best selling blends. The combination of resin-coated NPK and STEP® Hi-Mag makes this product a versatile all around product in the outdoor nursery can market.

### Target Crops/ Special Uses

Osmocote® Blend 23-4-8 5-6 month in and on a wide variety of plants, but especially in fast growing perennials, grasses and foliage. The addition of the E-Max Coated urea allows for an enhanced release of Nitrogen earlier in the growth cycle that will support the quick-growing plants and get them up to size sooner. As time goes by, the resin-coated N-P-K backbone takes over and gently feeds the plants until they finish growing. Because the Nitrogen has been augmented in this formulation, the cost in use is relatively low, but the predictable performance makes producing a good batch of plants a breeze. That being said, this product does have limitations when compared to the Osmocote® Plus line. It contains urea, so we do not recommend its use in covered greenhouse production. The STEP® Hi-Mag is uncoated in this blend, so it is important that it is not in direct contact with young, sensitive plants.

This is a great choice for second year topdress application prior to spring shipping or in a garden center environment where plants have been over-wintered.



### PRODUCT ADVANTAGES

- For general purpose production of nursery stock, foliage and in landscapes
- Contains resin-coated N-P-K as its backbone
- This product contains coated urea Nitrogen featuring E-Max coating technology
- Contains STEP® Hi-Mag to provide a balance of micronutrients to maximize plant growth
- Can be incorporated or surface applied

Where needs take us





Longevity at the following Average Media Temperature (F)			
60°F (15°C)	<b>70°F (21°C)</b>	80°F (26°C)	90°F (32°C)
6 - 7 MONTHS	<b>5 - 6 MONTHS</b>	4 - 5 MONTHS	3 - 4 MONTHS

## GUARANTEED ANALYSIS

F1877

Total Nitrogen (N)*	23%
6.4% Ammoniacal Nitrogen	
5.70% Nitrate Nitrogen	
10.9% Urea Nitrogen	
Available Phosphate (P <sub>2</sub> O <sub>5</sub> )	4%
Soluble Potash (K <sub>2</sub> O)	8%
Magnesium (Mg)	1.4%
0.6% Water Soluble Magnesium (Mg)	
Sulfur (S)	4.0%
4.0% Combined Sulfur (S)	
Copper (Cu)	0.055%
0.001% Water Solubl Copper (Cu)	
Iron (Fe)	0.95%
0.001% Free Sulfur (S)	
Manganese (Mn)	0.35%
0.23% Water Soluble Manganese (Mn)	
Zinc (Zn)	0.11%
0.001% Water Soluble Zinc (Zn)	

**Derived from:** Polymer-Coated Urea, 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

\* The Nitrogen, Phosphate, Potash, and Sulfur sources have been coated to provide 23% coated slow release Nitrogen (N), 4% coated slow-release available Phosphate (P<sub>2</sub>O<sub>5</sub>), 8% coated slow-release soluble Potash (K<sub>2</sub>O), 2.9% coated slow-release Sulfur (S).

## 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
1 qt.	850	2	3	5
2 qt.	400	4	7	11
Trade 1 gal.	300	5	10	14
1 gal.	210	8	14	21
Trade 2 gal.	125	13	24	35
2 gal.	102	16	29	42
3 gal.	70	23	42	62
5 gal.	52	31	57	83
7 gal.	35	45	84	123
Larger Containers	Surface Area in sq. ft.	Low	Medium	High
10 Gallon - 17" diam.	1.4	55	102	149
15 Gallon - 17.5"	1.5	59	109	160
20 Gallon - 21"	2.3	90	168	245
25 Gallon - 22.5"	2.8	110	204	298
30 Gallon - 26.5" diam.	3.8	149	277	405
45 Gallon - 30" diam.	4.8	188	350	511
65 Gallon - 30" diam.	4.8	188	350	511
100 Gallon - 36" diam.	7.1	279	517	756
200 Gallon - 48.5" diam	12.8	502	933	1363
24 inch box	4.0	157	291	426
30 inch box	6.25	245	455	666
36 inch box	9.0	353	656	958
48 inch box	16.0	628	1166	1704
Other Larger Containers - multiply the actual container surface area in sq. ft. by these rates:		39	73	106

\*\*\* 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	3.5	6.5	9.5
Kg. per cubic meter	2.1	3.9	5.6
Grams per liter	2.1	3.9	5.6
LANDSCAPE RATES	LOW	MEDIUM	HIGH
Lb. per 1000 sq. ft.	8.5	13	17.5
Kg. per cubic meter	4.1	6.3	8.5
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)	8	12	16	32	42	62	84
Conventional Measures (level)	1 tsp.	1 tbsp.	1/4 c.	1/3 c.	1/2 c.	1 c.	
Approximate Weight (in grams)	4	13	53	71	106	212	

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