

18-5-8

5-6 Month

A92175

Osmocote® Blend

Recommended Rates

Longevity at average media temperature

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

Surface application (grams)

Common container volumes	Approx. containers per cubic yard ¹	Low	Med	High
6" azalea / hibiscus (1.5 qt.)	539	4	7	11
6" standard (1.75 qt.)	462	4	8	12
6.5" azalea (1.8 qt.)	449	5	9	13
8" azalea / hibiscus (3 qt.)	269	8	14	21
8" mum pan (1 gal.)	260	8	15	22
9" mum pan (1.25 gal.)	166	12	23	34
10" hanging basket (1.25 gal.)	150	14	26	38
12" color bowl (2 gal.)	112	18	34	51
12" hanging basket (2.25 gal.)	100	20	39	57
1 quart	850	2	5	7
2 quart	400	5	10	14
1 gallon trade	300	7	13	19
1 gallon	210	10	18	27
2 gallon trade	125	16	31	45
2 gallon	102	20	38	56
3 gallon	70	29	55	81
5 gallon	52	39	74	109
7 gallon	35	58	110	162

Large container volumes	Surface area in square feet	Low	Med	High
10 gallon (17" diam.)	1.4	71	133	196
15 gallon (17.5" diam.)	1.5	76	143	210
20 gallon (21" diam.)	2.3	116	219	322
25 gallon (22.5" diam.)	2.8	141	267	392
30 gallon (26.5" diam.)	3.8	192	362	532
45 gallon (30" diam.)	4.8	242	457	673
65 gallon (30" diam.)	4.8	242	457	673
100 gallon (36" diam.)	7.1	358	677	995
200 gallon (48.5" diam.)	12.8	646	1220	1794
24" box	4.0	202	381	560
30" box	6.25	315	596	876
36" box	9.0	454	858	1261
48" box	16.0	807	1525	2242

For containers not listed, multiply surface area by:

Incorporation

	Low	Med	High
Pounds per cubic yard	4.5	8.5	12.5
Kilograms per cubic meter	2.7	5.0	7.4
Grams per liter	2.7	5.0	7.4

¹May vary depending on container brand, media, and fill method.

Approximate Volume Measurements

ICL spoons

Grams	#1	#2	#3	#4	#5	#6	#7
Grams	9	13	17	36	47	70	94

Conventional measures

Grams	1 tsp.	1 tbsp.	1/4 c.	1/3 c.	1/2 c.	1 c.
Grams	5	15	59	79	118	234

Guaranteed Analysis

Total Nitrogen (N) ²	18%
6.3% Ammoniacal Nitrogen (N-NH ₄)	
5.3% Nitrate Nitrogen (N-NO ₃)	
6.4% Urea Nitrogen (Ur-N)	
Available Phosphate (P ₂ O ₅) ²	5%
Soluble Potash (K ₂ O) ²	8%
Magnesium (Mg)	1.3%
0.4% Water Soluble Magnesium (Mg)	
Sulfur (S) ²	5.4%
5.4% Combined Sulfur (S)	
Iron (Fe)	3.51%
2.54% Water Soluble Iron (Fe)	
Boron (B)	0.02%
Copper (Cu)	0.130%
0.130% Water Soluble Copper (Cu)	
Manganese (Mn) ²	0.36%
0.34% Water Soluble Manganese (Mn)	
Molybdenum (Mo) ²	0.0140%
Zinc (Zn)	0.140%
0.130% Water Soluble Zinc (Zn)	

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

²The nitrogen, phosphate, potash, magnesium, sulfur, and molybdenum sources have been coated to provide 18% coated slow-release nitrogen (N), 5% coated slow-release available phosphate (P₂O₅), 8% coated slow-release soluble potash (K₂O), 0.4% coated slow-release magnesium (Mg), 3.5% coated slow-release sulfur (S), and 0.007% coated slowrelease molybdenum (Mo).

Directions

- recommended for use in covered greenhouses (low to medium rates suggested), nurseries, landscape beds, and containers
- verify product analysis, longevity, and rates (for assistance, contact your regional ICL Territory Manager or call ICL Customer Service at 800-492-8255)
- thoroughly blend into growing media to ensure uniform distribution without over-mixing
- growing media should be used two to four weeks after incorporation
- for top-dress applications, spread fertilizer evenly on container surface (avoid piling fertilizer directly against plant stem)
- irrigate after application (irrigation frequency and volume should be monitored and adjusted during the crop production cycle)
- a product trial is recommended before adopting a new fertilizer program or making full-scale changes to standard local practices
- use caution when applying to plants being over-wintered under cover (if you can't monitor soluble salts and/or adjust irrigation, avoid Fall and Winter applications)
- store in a clean, cool, dry place

All information is intended for use as a guideline only and may not be suitable for all regions and conditions.