

17-5-11

3-4 Month

A90179

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)
4-5 months	3-4 months	2-3 months	1-2 months

Surface application (grams)

Common container volumes	Approx. containers per cubic yard ¹	Low	Med	High
1 quart	850	2	4	6
2 quart	400	3	8	12
1 gallon trade	300	5	11	16
1 gallon	210	6	15	23
2 gallon trade	125	11	25	38
2 gallon	102	13	31	47
3 gallon	70	19	45	68
5 gallon	52	26	61	92
7 gallon	35	39	91	136

Large container volumes	Surface area in square feet	Low	Med	High
10 gallon (17" diam.)	1.4	47	110	165
15 gallon (17.5" diam.)	1.5	50	118	177
20 gallon (21" diam.)	2.3	77	180	271
25 gallon (22.5" diam.)	2.8	94	220	330
30 gallon (26.5" diam.)	3.8	128	298	447
45 gallon (30" diam.)	4.8	161	377	55
65 gallon (30" diam.)	4.8	161	377	565
100 gallon (36" diam.)	7.1	239	557	836
200 gallon (48.5" diam.)	12.8	430	1004	1507
24" box	4.0	135	314	471
30" box	6.25	210	490	736
36" box	9.0	303	706	1059
48" box	16.0	538	1256	1883

For containers not listed, multiply surface area by: 34 78 118

Incorporation

	Low	Med	High
Pounds per cubic yard	3.0	7.0	10.5
Kilograms per cubic meter	1.8	4.2	6.2
Grams per liter	1.8	4.2	5.6

Landscape²

	Low	Med	High
Pounds per 1000 square feet	6.0	12.0	17.5
Kilograms per 100 square meters	2.9	5.9	8.5
Pounds of N per 1000 square feet	1.0	2.0	3.0

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

²ICL recommends low rate on heavy or clay soils, high rate on light or sandy soils.

Approximate Volume Measurements

ICL spoons

Grams	#1	#2	#3	#4	#5	#6	#7
	9	13	17	36	47	69	94

Conventional measures

Grams	1 tsp.	1 tbsp.	1/4 c.	1/3 c.	1/2 c.	1 c.
	5	15	66	88	132	263

Guaranteed Analysis

Total Nitrogen (N) ³	17%
9% Ammoniacal Nitrogen (N-NH ₄)	
8% Nitrate Nitrogen (N-NO ₃)	
Available Phosphate (P ₂ O ₅) ³	5%
Soluble Potash (K ₂ O) ³	11%
Calcium (Ca) ³	2.3%
Sulfur (S) ³	5.0%
5.0% Combined Sulfur (S)	
Copper (Cu).....	0.139%
0.139% Water Soluble Copper (Cu)	
Iron (Fe) ³	2.30%
2.30% Water Soluble Iron (Fe)	
Manganese (Mn) ³	0.35%
0.35% Water Soluble Manganese (Mn)	
Molybdenum (Mo) ³	0.0069%
Zinc (Zn).....	0.139%
0.139% Water Soluble Zinc (Zn)	

Derived from: Polymer-coated: Ammonium Nitrate, Ammonium Phosphate, Calcium Phosphate, Potassium Sulfate; Ferrous Sulfate, Manganese Sulfate, Zinc Sulfate, Copper Sulfate, Sodium Molybdate

³The nitrogen, phosphate, and potash sources have been coated to provide 17% coated slow-release nitrogen (N), 5% coated slow-release available phosphate (P₂O₅), 11% coated slow-release soluble potash (K₂O), 1.36% coated slow-release calcium (Ca), and 4.06% coated slow-release sulfur (S).

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.