15-9-11

12-14 Month Lo-start

A98460

Osmocote® Plus

Recommended Rates

Longevity at average media temperature

60˚ F (15˚C)	70˚F (21˚C)	80˚F (26˚C)	90˚F (32˚C)
14-16 months	12-14 months	8-9 months	17-18 months

Surface application (grams)

Common container volumes	Approx. containers per cubic yard[1]	Low	Med	High
6" azalea / hibiscus (1.5 qt.)	539	10	14	18
6" standard (1.75 qt.)	462	12	16	21
6.5" azalea (1.8 qt.)	449	12	17	22
8" azalea / hibiscus (3 qt.)	269	20	28	36
8" mum pan (1 gal.)	260	21	29	38
9" mum pan (1.25 gal.)	166	33	45	59
10" hanging basket (1.5 gal.)	150	36	50	65
12" color bowl (2 ga.l)	112	49	67	87
12" hanging basket (2.25 gal.)	100	54	75	98
1 quart	850	6	9	11
2 quart	400	14	19	24
1 gallon trade	300	18	25	33
1 gallon	210	26	36	46
2 gallon trade	125	44	60	78
2 gallon	102	53	73	96
3 gallon	70	78	107	139
5 gallon	52	105	144	188
7 gallon	35	156	214	279

Large container volumes	Surface area in square feet	Low	Med	High
10 gallon (17" diam.)	1.4	188	259	337
15 gallon (17.5" diam.)	1.5	202	277	362
20 gallon (21" diam.)	2.3	309	425	554
25 gallon (22.5" diam.)	2.8	377	518	675
30 gallon (26.5" diam.)	3.8	511	703	916
45 gallon (30" diam.)	4.8	646	888	1157
65 gallon (30" diam.)	4.8	646	888	1157
100 gallon (36" diam.)	7.1	955	1313	1711
200 gallon (48.5" diam.)	12.8	1722	2368	3085
24" box	4.0	538	740	964
30" box	6.25	841	1156	1506
36" box	9.0	1211	1665	2169
48" box	16.0	2152	2959	3856
For containers not listed, multiply surface area by:		135	185	241

Incorporation

	Low	Med	High
Pounds per cubic yard	12.0	16.5	21.5
Kilograms per cubic meter	7.1	9.8	12.7
Grams per liter	7.1	9.8	12.7

Landscape[2]

	Low	Med	High
Pounds per 1000 square feet	13.5	26.5	40.0
Kilograms per 100 square meters	6.6	12.9	19.5
Pounds of N per 1000 square feet	2.0	4.0	6.0

[1]May vary depending on container brand, media, and fill method.
[2]ICL recommends low rate on heavy or clay soils, high rate on light or sandy soils.

Approximate Volume Measurements

ICL spoons

	#1	#2	#3	#4	#5	#6	#7
Grams	9	14	18	38	49	75	100

Conventional measures

	1 tsp.	1 tbsp.	1/4 c.	1/3 c.	1/2 c.	1 c.
Grams	5	15	63	86	126	252

Guaranteed Analysis

Total Nitrogen (N)[3] 15%
8.4% Ammoniacal Nitrogen
6.6% Nitrate Nitrogen
Available Phosphate (P_2O_5)[3] 9%
Soluble Potash (K_2O)[3] 11%
Magnesium (Mg)[3] 1.3%
0.88% Water Soluble Magnesium (Mg)
Sulfur (S)[3] 5.9%
5.9% Combined Sulfur (S)
Boron (B) 0.02%
Copper (Cu) 0.05%
0.05% Water Soluble Copper (Cu)
Iron (Fe)[3] 0.45%
0.09% Water Soluble Iron (Fe)
0.006% Chelated Iron (Fe)
Manganese (Mn)[3] 0.06%
0.06% Water Soluble Manganese (Mn)
Molybdenum (Mo)[3] 0.02%
Zinc (Zn) 0.05%
0.019% Water Soluble Zinc (Zn)

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

[3]The nitrogen, phosphate, potash, magnesium, sulfur, boron, iron, manganese, molybdenum, and a portion of the zinc sources have been coated to provide 15% coated slow-release nitrogen (N), 9% coated slow-release available phosphate (P2O5), 11% coated slow-release soluble potash (K2O), 1.3% coated slow-release magnesium (Mg), 5.9% coated slow-release sulfur (S), 0.02% coated slow-release boron (B), 0.45% coated slow-release iron (Fe), 0.06% coated slow-release manganese (Mn), 0.023% coated slow-release molybdenum (Mo), and 0.016% coated slow-release zinc (Zn).

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.

ICL