20-5-5

3-4 Month

A90165

Osmocote® Blend

Recommended Rates

Surface application (grams)

Common container volumes	Approx. containers per cubic yard[1]	Low	Med	High
1 quart	850	2	3	3
2 quart	400	3	6	7
1 gallon trade	300	5	8	10
1 gallon	210	6	11	14
2 gallon trade	125	11	18	24
2 gallon	102	13	22	29
3 gallon	70	19	32	42
5 gallon	52	26	44	57
7 gallon	35	39	65	84

Large container volumes	Surface area in square feet	Low	Med	High
10 gallon (17" diam.)	1.4	47	78	102
15 gallon (17.5" diam.)	1.5	50	84	109
20 gallon (21" diam.)	2.3	77	129	168
25 gallon (22.5" diam.)	2.8	94	157	204
30 gallon (26.5" diam.)	3.8	128	213	277
45 gallon (30" diam.)	4.8	161	269	350
65 gallon (30" diam.)	4.8	161	269	350
100 gallon (36" diam.)	7.1	239	398	517
200 gallon (48.5" diam.)	12.8	430	717	933
24" box	4.0	135	224	291
30" box	6.25	210	350	455
36" box	9.0	303	504	656
48" box	16.0	538	897	1166
For containers not listed, multiply surface area by:		34	56	73

Landscape

	Low	Med	High
Pounds per 1000 square feet	5.0	10.0	15.0
Kilograms per cubic meter	2.4	4.9	7.3
Pounds of N per 1000 square feet	1.0	2.0	3.0

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

Approximate Volume Measurements

ICL spoons

	#1	#2	#3	#4	#5	#6	#7
Grams	7	11	14	30	39	57	77

Conventional measures

	1 tsp.	1 tbsp.	1/4 c.	1/3 c.	1/2 c.	1 c.
Grams	4	12	54	72	108	215

Guaranteed Analysis

Total Nitrogen (N)[2] 20%
1.0% Ammoniacal Nitrogen ($N\text{-}NH_4$)
2.0% Nitrate Nitrogen ($N\text{-}NO_3$)
17.0% Water Insoluble Nitrogen[3]
Available Phosphate (P_2O_5) 5%
Soluble Potash (K_2O) 5%
Magnesium (Mg) 2.6%
0.9% Water Soluble Magnesium (Mg)
Sulfur (S) 3.3%
3.3% Combined Sulfur (S)
Copper (Cu) 0.090%
0.001% Water Soluble Copper (Cu)
Iron (Fe) 1.44%
0.001% Water Soluble Iron (Fe)
Manganese (Mn) 0.54%
0.36% Water Soluble Manganese (Mn)
Zinc (Zn) 0.180%
0.002% Water Soluble Zinc (Zn)

Derived from: Isobutylene Diurea, Ammonium Phosphate, Potassium Sulfate, Magnesium Sulfate, Magnesium Oxide, Copper Sulfate, Copper Oxide, Ferrous Sulfate, Iron Oxide, Manganese Sulfate, Manganese Oxide, Zinc Sulfate, Zinc Oxide

[2]Contains 16.579% slow-release nitrogen (N) from water insoluble nitrogen sources.
[3]WIN (water insoluble nitrogen) is stated on an unground basis. Powdered or ground samples will analyze 8.5% WIN.

Directions

- recommended for use in outdoor nurseries and landscape beds
- 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