

15-9-12

3-4 Month

A903206



Approximate Volume Measurements

ICL spoons

	#1	#2	#3	#4	#5	#6	#7
Grams	10	14	19	39	51	75	101

Conventional measures

	1 tsp.	1 tbsp.	1/4 c.	1/3 c.	1/2 c.	1 c.
Grams	5	16	71	94	141	283

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 <sup>1</sup>	Surface application (grams)		
		Low	Med	High
6" azalea / hibiscus (1.5 qt.)	539	3	7	10
6" standard (1.75 qt.)	462	3	8	12
6.5" azalea (1.8 qt.)	449	3	8	12
8" azalea / hibiscus (3 qt.)	269	5	14	20
8" mum pan (1 gal.)	260	5	14	21
9" mum pan (1.25 gal.)	166	8	22	33
10" hanging basket (1.5 gal.)	150	9	24	36
12" color bowl (2 gal.)	112	12	32	49
12" hanging basket (2.25 gal.)	100	14	36	54
1 quart	850	2	4	6
2 quart	400	3	9	14
1 gallon trade	300	5	12	18
1 gallon	210	6	17	26
2 gallon trade	125	11	29	44
2 gallon	102	13	36	53
3 gallon	70	19	52	78
5 gallon	52	26	70	105
7 gallon	35	39	104	156

Large container volumes	Surface area in square feet	Surface application (grams)		
		Low	Med	High
10 gallon (17" diam.)	1.4	47	126	188
15 gallon (17.5" diam.)	1.5	50	135	202
20 gallon (21" diam.)	2.3	77	206	309
25 gallon (22.5" diam.)	2.8	94	251	377
30 gallon (26.5" diam.)	3.8	128	341	511
45 gallon (30" diam.)	4.8	161	430	646
65 gallon (32" diam.)	5.6	190	520	742
100 gallon (36" diam.)	7.1	239	637	955
200 gallon (48.5" diam.)	12.8	430	1148	1722
24" box	4.0	135	359	538
30" box	6.25	210	560	842
36" box	9.0	303	807	1211
48" box	16.0	538	1435	2152

For containers not listed, multiply surface area by: 34 90 135

Incorporation

	Low	Med	High
Pounds per cubic yard	3.0	8.0	12.0
Kilograms per cubic meter	1.8	4.7	7.1
Grams per liter	1.8	4.7	7.1

Landscape<sup>2</sup>

	Low	Med	High
Pounds per 1000 square feet	7.0	13.0	20.0
Kilograms per 100 square meters	3.4	6.3	9.8
Pounds of N per 1000 square feet	1.1	2.0	3.0

<sup>1</sup>May vary depending on container brand, media, and fill method.

<sup>2</sup>ICL recommends low rate on heavy or clay soils, high rate on light or sandy soils.

Guaranteed Analysis

Total Nitrogen (N) <sup>3</sup>	15%
8.4% Ammoniacal Nitrogen (N-NH <sub>4</sub> )	
6.6% Nitrate Nitrogen (N-NO <sub>3</sub> )	
Available Phosphate (P <sub>2</sub> O <sub>5</sub> ) <sup>3</sup>	9%
Soluble Potash (K <sub>2</sub> O) <sup>3</sup>	12%
Magnesium (Mg) <sup>3</sup>	1.3%
0.8% Water Soluble Magnesium (Mg)	
Sulfur (S) <sup>3</sup>	5.9%
5.9% Combined Sulfur (S)	
Boron (B)	0.02%
Copper (Cu)	0.05%
0.05% Water Soluble Copper (Cu)	
Iron (Fe) <sup>3</sup>	0.46%
0.09% Water Soluble Iron (Fe)	
0.01% Chelated Iron (Fe)	
Manganese (Mn) <sup>3</sup>	0.06%
0.02% Water Soluble Manganese (Mn)	
Molybdenum (Mo) <sup>3</sup>	0.02%
Zinc (Zn)	0.05%
0.011% Water Soluble Zinc (Zn)	

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

<sup>3</sup>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 (P<sub>2</sub>O<sub>5</sub>), 12% coated slow-release soluble potash (K<sub>2</sub>O), 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), and 0.02% 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.

