

15-9-12

8-9 Month Lo-start

A903246



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

Recommended Rates

Longevity at average media temperature

60°F (15°C)	70°F (21°C)	80°F (26°C)	90°F (32°C)
9-10 months	8-9 months	6-7 months	5-6 months

Surface application (grams)

Common container volumes	Approx. containers per cubic yard ¹	Surface application (grams)		
		Low	Med	High
6" azalea / hibiscus (1.5 qt.)	539	7	11	15
6" standard (1.75 qt.)	462	8	13	18
6.5" azalea (1.8 qt.)	449	9	13	18
8" azalea / hibiscus (3 qt.)	269	14	22	30
8" mum pan (1 gal.)	260	15	23	31
9" mum pan (1.25 gal.)	166	23	36	49
10" hanging basket (1.5 gal.)	150	26	39	54
12" color bowl (2 gal.)	112	34	53	73
12" hanging basket (2.25 gal.)	100	39	59	82
1 quart	850	5	7	10
2 quart	400	10	15	20
1 gallon trade	300	13	20	27
1 gallon	210	18	28	39
2 gallon trade	125	31	47	65
2 gallon	102	38	58	80
3 gallon	70	55	84	117
5 gallon	52	74	114	157
7 gallon	35	110	169	233

Large container volumes	Surface area in square feet	Surface application (grams)		
		Low	Med	High
10 gallon (17" diam.)	1.4	133	204	282
15 gallon (17.5" diam.)	1.5	143	219	303
20 gallon (21" diam.)	2.3	219	335	464
25 gallon (22.5" diam.)	2.8	267	408	565
30 gallon (26.5" diam.)	3.8	362	554	767
45 gallon (30" diam.)	4.8	457	699	969
65 gallon (30" diam.)	4.8	457	699	969
100 gallon (36" diam.)	7.1	677	1035	1433
200 gallon (48.5" diam.)	12.8	430	1148	2583
24" box	4.0	381	583	807
30" box	6.25	596	911	1261
36" box	9.0	858	807	1816
48" box	16.0	1525	2332	3228

For containers not listed, multiply surface area by: 95 146 202

Incorporation

	Low	Med	High
Pounds per cubic yard	8.5	13.0	18.0
Kilograms per cubic meter	5.0	7.7	10.7
Grams per liter	5.0	7.7	10.7

Landscape²

	Low	Med	High
Pounds per 1000 square feet	13.0	23.0	33.0
Kilograms per 100 square meters	6.3	11.2	16.1
Pounds of N per 1000 square feet	2.0	3.5	5.0

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.

Guaranteed Analysis

Total Nitrogen (N) ³	15%
8.0% Ammoniacal Nitrogen (N-NH ₄)	
7.0% Nitrate Nitrogen (N-NO ₃)	
Available Phosphate (P ₂ O ₅) ³	9%
Soluble Potash (K ₂ O) ³	12%
Magnesium (Mg) ³	1.3%
0.8% 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	0.46%
0.09% Water Soluble Iron (Fe)	
0.01% Chelated Iron (Fe)	
Manganese (Mn) ³	0.06%
0.02% Water Soluble Manganese (Mn)	
Molybdenum (Mo) ³	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 Phosphate, Iron EDTA, Manganese Sulfate, Sodium Molybdate, Zinc Sulfate, Copper Sulfate, Zinc Oxide

³The nitrogen, phosphate, potash, magnesium, sulfur, boron, iron, manganese, molybdenum, and a portion of the zinc sources have been coated to provide 14.77% coated slow-release nitrogen (N), 8.86% coated slow-release available phosphate (P₂O₅), 11.81% coated slow-release soluble potash (K₂O), 1.27% coated slow-release magnesium (Mg), 5.85% coated slow-release sulfur (S), 0.45% coated slow-release iron (Fe), 0.059% coated slow-release manganese (Mn), and 0.019% coated slow-release 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.

