

18-5-8

12-14 Month

A921712



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	7-8 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	8	12	15
6" standard (1.75 qt.)	462	10	14	18
6.5" azalea (1.8 qt.)	449	10	14	18
8" azalea / hibiscus (3 qt.)	269	17	24	30
8" mum pan (1 gal.)	260	17	24	31
9" mum pan (1.25 gal.)	166	27	38	49
10" hanging basket (1.25 gal.)	150	30	42	54
12" color bowl (2 gal.)	112	41	57	73
12" hanging basket (2.25 gal.)	100	45	64	82
1 quart	850	5	7	10
2 quart	400	11	16	20
1 gallon trade	300	15	21	27
1 gallon	210	22	30	39
2 gallon trade	125	36	51	65
2 gallon	102	45	62	80
3 gallon	70	65	91	117
5 gallon	52	87	122	157
7 gallon	35	130	182	233

Large container volumes	Surface area in square feet	Surface application (grams)		
		Low	Med	High
10 gallon (17" diam.)	1.4	157	220	282
15 gallon (17.5" diam.)	1.5	168	235	303
20 gallon (21" diam.)	2.3	258	361	464
25 gallon (22.5" diam.)	2.8	314	439	565
30 gallon (26.5" diam.)	3.8	426	596	767
45 gallon (30" diam.)	4.8	538	753	969
65 gallon (30" diam.)	4.8	538	753	969
gallon (36" diam.)	7.1	796	1114	1433
200 gallon (48.5" diam.)	12.8	1435	2009	2583
24" box	4.0	448	628	807
30" box	6.25	701	981	1261
36" box	9.0	1009	1412	1816
48" box	16.0	1794	2511	3228

For containers not listed, multiply surface area by: 112 157 202

Incorporation

	Low	Med	High
Pounds per cubic yard	10.0	14.0	18.0
Kilograms per cubic meter	5.9	8.3	10.7
Grams per liter	5.9	8.3	10.7

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

Approximate Volume Measurements

ICL spoons

	#1	#2	#3	#4	#5	#6	#7
Grams	9	13	17	36	47	70	94

Conventional measures

	1 tsp.	1 tbsp.	1/4 c.	1/3 c.	1/2 c.	1 c.
Grams	5	15	59	79	118	234

Guaranteed Analysis

Total Nitrogen (N) ²	18%
5.9% Ammoniacal Nitrogen (N-NH ₄)	
5.0% Nitrate Nitrogen (N-NO ₃)	
7.1% Urea Nitrogen (Ur-N)	
Available Phosphate (P ₂ O ₅) ²	5%
Soluble Potash (K ₂ O) ²	8%
Magnesium (Mg)	1.4%
0.5% Water Soluble Magnesium (Mg)	
Sulfur (S) ²	5.3%
5.4% Combined Sulfur (S)	
Iron (Fe)	3.51%
2.46% Water Soluble Iron (Fe)	
Boron (B)	0.02%
Copper (Cu)	0.130%
0.130% Water Soluble Copper (Cu)	
Manganese (Mn) ²	0.35%
0.33% Water Soluble Manganese (Mn)	
Molybdenum (Mo) ²	0.0160%
Zinc (Zn)	0.130%
0.120% Water Soluble Zinc (Zn)	

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

²The nitrogen, phosphate, potash, magnesium, sulfur, and molybdenum sources have been coated to provide 18% coated slow-release nitrogen (N), 5% coated slow-release available phosphate (P₂O₅), 8% coated slow-release soluble potash (K₂O), 0.5% coated slow-release magnesium (Mg), 3.5% coated slow-release sulfur (S), and 0.009% 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.

