

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 ¹	Surface application (grams)		
		Low	Med	High
6" azalea / hibiscus (1.5 qt.)	539	3	5	8
6" standard (1.75 qt.)	462	3	6	9
6.5" azalea (1.8 qt.)	449	3	7	10
8" azalea / hibiscus (3 qt.)	269	5	11	16
8" mum pan (1 gal.)	260	5	11	17
9" mum pan (1.25 gal.)	166	8	18	26
10" mum pan (1.25 gal.)	150	9	20	29
12" color bowl (2 gal.)	112	12	26	39
12" hanging basket (2.25 gal.)	100	14	30	43
1 quart	850	2	3	5
2 quart	400	3	7	11
1 gallon trade	300	5	10	14
1 gallon	210	6	14	21
2 gallon trade	125	11	24	35
2 gallon	102	13	29	42
3 gallon	70	19	42	62
5 gallon	52	26	57	83
7 gallon	35	39	84	123

Large container volumes	Surface area in square feet	Surface application (grams)		
		Low	Med	High
10 gallon (17" diam.)	1.4	47	102	149
15 gallon (17.5" diam.)	1.5	50	109	160
20 gallon (21" diam.)	2.3	77	168	245
25 gallon (22.5" diam.)	2.8	94	204	298
30 gallon (26.5" diam.)	3.8	128	277	405
45 gallon (30" diam.)	4.8	161	350	511
65 gallon (30" diam.)	4.8	161	350	511
100 gallon (36" diam.)	7.1	239	517	756
200 gallon (48.5" diam.)	12.8	430	933	1363
24" box	4.0	135	291	426
30" box	6.25	210	455	666
36" box	9.0	303	656	958
48" box	16.0	538	1166	1704

For containers not listed, multiply surface area by: 34 73 106

Incorporation

	Low	Med	High
Pounds per cubic yard	3.0	6.5	9.5
Kilograms per cubic meter	1.8	3.9	5.6
Grams per liter	1.8	3.9	5.6

Landscape²

	Low	Med	High
Pounds per 1000 square feet	5.0	10.5	16.0
Kilograms per 100 square meters	2.4	5.1	7.8
Pounds of N per 1000 square feet	1.0	2.0	3.0

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.

Approximate Volume Measurements

ICL spoons

	#1	#2	#3	#4	#5	#6	#7
Grams	9	14	18	37	48	71	98

Conventional measures

	1 tsp.	1 tbsp.	1/4 c.	1/3 c.	1/2 c.	1 c.
Grams	5	15	67	90	135	269

Guaranteed Analysis

Total Nitrogen (N) ³	19%
10.0% Ammoniacal Nitrogen (N-NH ₄)	
9.0% Nitrate Nitrogen (N-NO ₃)	
Available Phosphate (P ₂ O ₅) ³	6%
Soluble Potash (K ₂ O) ³	12%

Derived from: Polymer-coated: Ammonium Nitrate, Ammonium Phosphate, Potassium Sulfate, Calcium Phosphate

³The nitrogen, phosphate, and potash sources have been coated to provide 19% coated slow-release nitrogen (N), 6% coated slow-release available phosphate (P₂O₅), and 12% coated slow-release soluble potash (K₂O).

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.