

Recommended Rates

Longevity at average media temperature

60°F (15°C)	70°F (21°C)	80°F (26°C)	90°F (32°C)
16-18 months	14-16 months	9-10 months	8-9 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	12	15	18
6" standard (1.75 qt.)	462	14	17	21
6.5" azalea (1.8 qt.)	449	14	18	21
8" azalea / hibiscus (3 qt.)	269	24	30	35
8" mum pan (1 gal.)	260	24	31	37
9" mum pan (1 gal.)	166	38	48	57
10" mum pan (1.25 gal.)	150	42	53	64
12" color bowl (2 gal.)	112	57	71	85
12" hanging basket (2.25 gal.)	100	64	79	95
1 quart	850	7	9	11
2 quart	400	16	20	24
1 gallon trade	300	21	26	32
1 gallon	210	30	38	45
2 gallon trade	125	51	64	76
2 gallon	102	62	78	93
3 gallon	70	91	114	136
5 gallon	52	122	153	183
7 gallon	35	182	227	272

Large container volumes	Surface area in square feet	Surface application (grams)		
		Low	Med	High
10 gallon (17" diam.)	1.4	220	275	330
15 gallon (17.5" diam.)	1.5	235	294	353
20 gallon (21" diam.)	2.3	361	451	541
25 gallon (22.5" diam.)	2.8	439	549	659
30 gallon (26.5" diam.)	3.8	596	745	895
45 gallon (30" diam.)	4.8	753	942	1130
65 gallon (30" diam.)	4.8	753	942	1130
100 gallon (36" diam.)	7.1	1114	1393	1671
200 gallon (48.5" diam.)	12.8	2009	2511	3013
24" box	4.0	628	785	942
30" box	6.25	981	1226	1471
36" box	9.0	1412	1766	2119
48" box	16.0	2511	3139	3767

For containers not listed, multiply surface area by: 157 196 235

Incorporation

	Low	Med	High
Pounds per cubic yard	14.0	17.5	21.0
Kilograms per cubic meter	8.3	10.4	12.5
Grams per liter	8.3	10.4	12.5

Landscape²

	Low	Med	High
Pounds per 1000 square feet	10.5	21.0	31.5
Kilograms per 100 square meters	5.1	10.3	15.4
Pounds of N per 1000 square feet	2.0	4.0	6.0

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	49	72	97

Conventional measures

	1 tsp.	1 tbsp.	1/4 c.	1/3 c.	1/2 c.	1 c.
Grams	5	15	68	91	136	272

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.