

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	7	11
6" standard (1.75 qt.)	462	3	8	13
6.5" azalea (1.8 qt.)	449	4	9	13
8" azalea / hibiscus (3 qt.)	269	6	14	22
8" mum pan (1 gal.)	260	6	15	23
9" mum pan (1.25 gal.)	166	10	23	36
10" mum pan (1.25 gal.)	150	11	26	39
12" color bowl (2 gal.)	112	14	34	53
12" hanging basket (2.25 gal.)	100	16	39	59
1 quart	850	2	5	7
2 quart	400	4	10	15
1 gallon trade	300	5	13	20
1 gallon	210	8	18	28
2 gallon trade	125	13	31	47
2 gallon	102	16	38	58
3 gallon	70	23	55	84
5 gallon	52	31	74	114
7 gallon	35	45	110	169

Large container volumes	Surface area in square feet	Surface application (grams)		
		Low	Med	High
10 gallon (17" diam.)	1.4	55	133	204
15 gallon (17.5" diam.)	1.5	59	143	219
20 gallon (21" diam.)	2.3	90	219	335
25 gallon (22.5" diam.)	2.8	110	267	408
30 gallon (26.5" diam.)	3.8	149	362	554
45 gallon (30" diam.)	4.8	188	457	699
65 gallon (30" diam.)	4.8	188	457	699
100 gallon (36" diam.)	7.1	279	677	1035
200 gallon (48.5" diam.)	12.8	502	1220	1865
24" box	4.0	157	381	583
30" box	6.25	245	596	911
36" box	9.0	353	858	1312
48" box	16.0	628	1525	2332

For containers not listed, multiply surface area by: 39 95 146

Incorporation

	Low	Med	High
Pounds per cubic yard	3.6	8.5	12.7
Kilograms per cubic meter	2.1	5.1	7.6
Grams per liter	2.1	5.1	7.6

Landscape²

	Low	Med	High
Pounds per 1000 square feet	7.1	14.3	21.4
Kilograms per 100 square meters	3.4	6.8	10.5
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	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	95	142	285

Guaranteed Analysis

Total Nitrogen (N) ³	14%
8.2% Ammoniacal Nitrogen (N-NH ₄)	
5.8% Nitrate Nitrogen (N-NO ₃)	
Available Phosphate (P ₂ O ₅) ³	14%
Soluble Potash (K ₂ O) ³	14%

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

³The nitrogen, phosphate, potash sources have been coated to provide 14% coated slow-release nitrogen (N), 14% coated slow-release available phosphate (P₂O₅), and 14% 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.