

**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 <sup>1</sup>	Surface application (grams)		
		Low	Med	High
6" azalea / hibiscus (1.5 qt.)	539	6	9	13
6" standard (1.75 qt.)	462	7	11	15
6.5" azalea (1.8 qt.)	449	7	11	15
8" azalea / hibiscus (3 qt.)	269	12	19	25
8" mum pan (1 gal.)	260	12	19	26
9" mum pan (1 gal.)	166	19	30	41
10" mum pan (1.25 gal.)	150	21	33	45
12" color bowl (2 gal.)	112	28	45	61
12" hanging basket (2.25 gal.)	100	32	50	68
1 quart	850	4	6	8
2 quart	400	8	12	17
1 gallon trade	300	11	17	23
1 gallon	210	15	24	32
2 gallon trade	125	25	40	54
2 gallon	102	31	49	67
3 gallon	70	45	71	97
5 gallon	52	61	96	131
7 gallon	35	91	143	195

Large container volumes	Surface area in square feet	Surface application (grams)		
		Low	Med	High
10 gallon (17" diam.)	1.4	110	173	235
15 gallon (17.5" diam.)	1.5	118	185	252
20 gallon (21" diam.)	2.3	180	284	387
25 gallon (22.5" diam.)	2.8	220	345	471
30 gallon (26.5" diam.)	3.8	298	469	639
45 gallon (30" diam.)	4.8	377	592	807
65 gallon (30" diam.)	4.8	377	592	807
100 gallon (36" diam.)	7.1	557	875	1194
200 gallon (48.5" diam.)	12.8	1004	1578	2152
24" box	4.0	314	493	673
30" box	6.25	490	771	1051
36" box	9.0	706	1110	1513
48" box	16.0	1256	1973	2690

For containers not listed, multiply surface area by: 78 123 168

**Incorporation**

	Low	Med	High
Pounds per cubic yard	7.0	10.5	15.0
Kilograms per cubic meter	4.2	6.2	8.9
Grams per liter	4.2	6.2	8.9

**Landscape<sup>2</sup>**

	Low	Med	High
Pounds per 1000 square feet	11.0	19.5	28.0
Kilograms per 100 square meters	5.4	9.5	13.7
Pounds of N per 1000 square feet	2.0	3.5	5.0

<sup>1</sup>May vary depending on container brand, media, and fill method.

<sup>2</sup>ICL 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	137	272

**Guaranteed Analysis**

Total Nitrogen (N) <sup>3</sup> .....	18%
10.0% Ammoniacal Nitrogen (N-NH <sub>4</sub> )	
8.0% Nitrate Nitrogen (N-NO <sub>3</sub> )	
Available Phosphate (P <sub>2</sub> O <sub>5</sub> ) <sup>3</sup> .....	6%
Soluble Potash (K <sub>2</sub> O) <sup>3</sup> .....	12%

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

<sup>3</sup>The nitrogen, phosphate, and potash sources have been coated to provide 15% coated slow-release nitrogen (N), 5% coated slow-release available phosphate (P<sub>2</sub>O<sub>5</sub>), and 10% coated slow-release soluble potash (K<sub>2</sub>O).

**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.