

17-5-11

5-6 Month

A90180



Approximate Volume Measurements

ICL spoons

	#1	#2	#3	#4	#5	#6	#7
Grams	9	13	17	36	47	69	94

Conventional measures

	1 tsp.	1 tbsp.	1/4 c.	1/3 c.	1/2 c.	1 c.
Grams	5	15	66	88	132	263

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
1 quart	850	2	5	7
2 quart	400	5	10	15
1 gallon trade	300	7	14	20
1 gallon	210	10	19	28
2 gallon trade	125	16	33	47
2 gallon	102	20	40	58
3 gallon	70	29	58	84
5 gallon	52	39	79	115
7 gallon	35	58	117	169

Large container volumes	Surface area in square feet	Surface application (grams)		
		Low	Med	High
10 gallon (17" diam.)	1.4	71	141	2204
15 gallon (17.5" diam.)	1.5	76	151	219
20 gallon (21" diam.)	2.3	116	232	335
25 gallon (22.5" diam.)	2.8	141	282	408
30 gallon (26.5" diam.)	3.8	192	383	554
45 gallon (30" diam.)	4.8	242	484	699
65 gallon (30" diam.)	4.8	242	484	699
100 gallon (36" diam.)	7.1	358	716	1035
200 gallon (48.5" diam.)	12.8	646	1291	1865
24" box	4.0	202	404	583
30" box	6.25	315	631	911
36" box	9.0	454	908	1312
48" box	16.0	807	1614	2332
For containers not listed, multiply surface area by:		50	101	146

Incorporation

	Low	Med	High
Pounds per cubic yard	4.5	9.0	13.0
Kilograms per cubic meter	2.7	5.3	7.7
Grams per liter	2.7	5.3	7.7

Landscape²

	Low	Med	High
Pounds per 1000 square feet	12.0	17.5	23.5
Kilograms per 100 square meters	5.9	8.5	11.5
Pounds of N per 1000 square feet	2.0	3.0	4.0

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.

Guaranteed Analysis

Total Nitrogen (N) ³	17%
9% Ammoniacal Nitrogen (N-NH ₄)	
8% Nitrate Nitrogen (N-NO ₃)	
Available Phosphate (P ₂ O ₅) ³	5%
Soluble Potash (K ₂ O) ³	11%
Calcium (Ca) ³	2.2%
Sulfur (S) ³	5.0%
5.0% Combined Sulfur (S)	
Copper (Cu)	0.136%
0.136% Water Soluble Copper (Cu)	
Iron (Fe) ³	2.30%
2.30% Water Soluble Iron (Fe)	
Manganese (Mn) ³	0.34%
0.34% Water Soluble Manganese (Mn)	
Molybdenum (Mo) ³	0.0068%
Zinc (Zn)	0.136%
0.139% Water Soluble zinc (Zn)	

Derived from: Polymer-coated: Ammonium Nitrate, Ammonium Phosphate, Calcium Phosphate, Potassium Sulfate; Copper Sulfate, Ferrous Sulfate, Manganese Sulfate, Sodium Molybdate, Zinc Sulfate

³The nitrogen, phosphate, and potash sources have been coated to provide 17% coated slow-release nitrogen (N), 5% coated slow-release available phosphate (P₂O₅), 11% coated slow-release soluble potash (K₂O), 1.33% coated slow-release calcium (Ca), and 4.14% coated slow-release sulfur (S).

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.

