

Longevity at the following Average Media Temperature (F)			
60°F (15°C)	70°F (21°C)	80°F (26°C)	90°F (32°C)
14 - 16 MONTHS	12 - 14 MONTHS	8 - 9 MONTHS	7 - 8 MONTHS

GUARANTEED ANALYSIS

21-4-8

Total Nitrogen (N)*	21%
6.6% Ammoniacal Nitrogen	
5.8% Nitrate Nitrogen	
8.6% Urea Nitrogen	
Available Phosphate (P ₂ O ₅)*	4%
Soluble Potash (K ₂ O)*	8%
Magnesium (Mg)	1.1%
0.55% Water Soluble Magnesium (Mg)	
Sulfur (S)*	8.0%
3.5% Combined Sulfur (S)	
4.5% Free Sulfur (S)	
Iron (Fe)	0.7%
0.0009% Water Soluble Iron (Fe)	
Manganese (Mn)	0.2%
0.13% Water Soluble Manganese (Mn)	
Zinc (Zn)	0.08%
0.0009% Water Soluble Zinc (Zn)	

Derived From: Polymer-Coated, Sulfur-Coated: Urea;
Polymer-Coated: Ammonium Nitrate, Ammonium
Phosphate, Calcium Phosphate, Potassium Sulfate;
Magnesium Sulfate, Magnesium Oxide, Ferrous Sulfate,
Iron Oxide, Manganese Sulfate, Manganese Oxide, Zinc
Sulfate, Zinc Oxide

* The Nitrogen, Phosphate, Potash and a portion of the
combined Sulfur sources have been coated to provide
19.7% coated slow-release Nitrogen (N), 4% coated
slow-release available Phosphate (P₂O₅), 8% coated
slow-release soluble Potash (K₂O), 2.7% coated
slow-release Sulfur (S).

APPLICATION RATES

The application rates listed are intended as a guideline in
developing a fertilization program. These rates may or may
not apply to your area or growing conditions. It is the respon-
sibility of the grower to determine the appropriate rate. Your
rate may be higher or lower than suggested based on your
growing conditions. Follow label instructions and use care
when handling all fertilizer products.

FOR PROFESSIONAL USE ONLY

ICL Specialty Fertilizers recommends a product trial prior to
adopting a new fertilizer program. Product selection and
application rate should be based on individual grower
practice. The following are general recommendations only.

SUGGESTED APPLICATION RATES:

CONTAINER NURSERY STOCK SUGGESTED APPLICATION AND RATES			
Product selection and application rates should be based on individual grower practices. Some factors that influence selection include:			
• Climate	• Specific Crop	• Type of Growing Media	
• Other Nutrient Sources	• Irrigation Type	• Rainfall Amount	

NURSERY TOPDRESS RATES PER CONTAINER (GRAMS)**

SURFACE APPLICATION RATES PER CONTAINER (GRAMS)				
Common Container Sizes (Volume)	Approx. No. of Containers per Cubic Yard***	Low	Medium	High
191 qt.	850	5	6	8
2 qt.	400	10	14	17
Trade 1 gal.	300	13	18	23
1 gal.	210	18	26	32
Trade 2 gal.	125	31	44	54
2 gal.	102	38	53	67
3 gal.	70	55	78	97
5 gal.	52	74	105	131
7 gal.	35	110	156	195
Larger Containers	Surface Area in sq. ft.	Low	Medium	High
10 Gallon - 17" diam.	1.4	133	188	235
15 Gallon - 17.5"	1.5	143	202	252
20 Gallon - 21"	2.3	219	309	387
25 Gallon - 22.5"	2.8	267	377	471
30 Gallon - 26.5" diam.	3.8	362	511	639
45 Gallon - 30" diam.	4.8	457	646	807
65 Gallon - 30" diam.	4.8	457	646	807
100 Gallon - 36" diam.	7.1	677	955	1194
200 Gallon - 48.5" diam	12.8	1220	1722	2152
24 inch box	4.0	381	538	673
30 inch box	6.25	596	841	1051
36 inch box	9.0	858	1211	1513
48 inch box	16.0	1525	2152	2690
Other Larger Containers - multiply the actual container surface area in sq. ft. by these rates:		95	135	168

** Actual container fill rates may vary depending on container brand, specific
growing media and fill method.

SUGGESTED NURSERY & LANDSCAPE APPLICATION RATES

INCORPORATION RATES	LOW	MEDIUM	HIGH
Lb. per cubic yard	8.5	12.0	15.0
Kg. per cubic meter	5.0	7.1	8.9
Grams per liter	5.0	7.1	8.9
LANDSCAPE RATES	LOW	MEDIUM	HIGH
Lb. per 1,000 sq. ft.	9.5	19.0	28.5
Kg. per 100 sq. m.	4.6	9.3	13.9
Lbs. of N per 1,000 sq. ft.	2.0	4.0	6.0

APPROXIMATE VOLUME MEASURES / MEDICIONES APROXIMADAS DEL VOLUMEN							
ICL Yellow Spoons (level)	#1	#2	#3	#4	#5	#6	#7
Approximate Weight (in grams)	9	13	16	34	45	66	89
Conventional Measures (level)	1 tsp.	1 tbsp.	¼ c.	⅓ c.	½ c.	1 c.	
Approximate Weight (in grams)	5	14	62	83	125	249	

28 grams = 1 oz. / 454 grams = 1 lb. 28 gramos = 1 oz. / 454 gramos = 1 lb.