21-7-7 Acid Special

PRODUCT FEATURES

- Classic formulation for acid-loving plants
- Does not contain nitrate nitrogen
- High potential acidity offsets high water alkalinity

STOCK NO. 91130 / 33

- Use as a quick fix to lower growing media pH
- Increased iron level to promote effective greening
- Excellent sulfur source
- Maximum solubility 4 lb./gal.

GUARANTEED ANALYSIS

Total Nitrogen (N)	21%
10.41% ammoniacal nitrogen	
10.59% urea nitrogen	
Available phosphate (P_2O_5)	7%
Soluble potash (K_2O)	7%
Magnesium (Mg) (Total)	0.3%
0.3% water soluble magnesium (Mg)	
Sulfur (S) (Combined)	13%
Boron (B)	0.0068%
Copper (Cu)	0.0036%
0.0036% chelated copper (Cu)	
Iron (Fe)	0.15%
0.15% chelated iron (Fe)	
Manganese (Mn)	0.024%
0.024% chelated manganese (Mn)	
Molybdenum (Mo)	0.0009%
Zinc (Zn)	0.0025%
0.0025% chelated zinc (Zn)	

Derived from: ammonium phosphate, ammonium sulfate, potassium sulfate, urea, magnesium sulfate, boric acid, copper EDTA, iron EDTA, manganese EDTA, ammonium molybdate, zinc EDTA.

Chloride, not more than 5.85%.

Potential Acidity: 1540 lb. calcium carbonate equivalent per ton.

Distributed By:

The Scotts Company
14111 Scottslawn Road • Marysville, Ohio 43041
1-800-492-8255

H4068 Revised 121004

Peters® Professional 21-7-7 Acid Special

Water Soluble Fertilizer

(Suggestions for Commercial Growers)

100 ppm N Solution Contains the Following Elemental ppm		
Ammonium-N	(NH_4 – N)	49.6
Nitrate-N	(NO_3 – N)	0
Urea-N	(Urea-N)	50.4
Phosphorus	(P)	14.5
Potassium	(K)	27.8
Calcium	(Ca)	0
Magnesium	(Mg)	1.4
Boron	(B)	0.032
Copper	(Cu)	0.017
Iron	(Fe)	0.714
Manganese	(Mn)	0.114
Molybdenum	(Mo)	0.004
Zinc	(Zn)	0.012

- Apply to potted plants at 100–150 ppm of nitrogen on a constant (continuous) liquid feed basis or at 300 ppm of nitrogen where periodic (pulse) feeding is involved.
- For acid plantings, the recommended dosage is 1 tablespoon per gallon, or 3 pounds per 100 gallons applied as a soil drench on a 3 to 4 week basis. One hundred gallons should cover approximately 400 square feet.

Ounces of Peters Professional 21-7-7 Per Gallon of Concentrate						
Nitrogen	Injector Ratios*					E.C.**
ppm N	1:15	1:100	1:128	1:200	1:300	mmhos/cm
25	0.2	1.61	2.06	3.22	4.82	0.16
50	0.5	3.22	4.12	6.43	9.65	0.32
75	0.7	4.82	6.17	9.65	14.47	0.49
100	1.0	6.43	8.23	12.86	19.29	0.65
150	1.4	9.65	12.35	19.29	28.94	0.97
200	1.9	12.86	16.46	25.72	38.58	1.30
300	2.9	19.29	24.69	38.58	57.87	1.95
400	3.9	25.72	32.92	51.44	***	2.60

Approximate Gallons Required to Dissolve One 25 lb. Bag of 21-7-7		
Nitrogen	Injector Ratios***	
ppm N	1:100	1:200
25	249	125
50	125	63
75	83	42
100	63	32
150	42	21
200	32	16
300	21	11
400	16	8

* Use the oz./gal. to obtain suggested or desired ppm N. To customize, values are additive. For example, if 275 ppm N is desired, using a 1:100 injector, add 12.86 oz. (200 ppm N) and 4.82 oz. (75 ppm N) to yield 17.68 oz./gal. concentrate. To convert oz./gal. to grams/liters, multiply by 7.5.

** E.C. measurements do not include E.C. of plain water. E.C. calculations are based upon a 100 ppm nitrogen solution with reverse osmosis water.

***Limit of solubility 4lbs./gal. (64 oz./gal.)

Small Volume Rate: 1 level tsp/gal = 255.2 ppm N
100 gal. tank - no injector: 1lb./100 gal. = 248.8 ppm

SUGGESTIONS FOR USE

The chemical composition of the irrigation water applied to crops has a major influence on the nutrients available to plants in the long term. Before selecting and/or designing a fertilizer program, first test the irrigation water to better understand pH and alkalinity.

Continuous feeding is recommended over periodic or pulse feeding as this practice provides a more uniform and optimal feed program.

Use the Scotts Testing Laboratory for more reliable media, solution and tissue test results. Call 1-877-HORT LAB for technical assistance.

Contact your Scotts representative or Scotts Customer Service at 1-800-492-8225 for more information.

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