



20-20-20 General Purpose

Peters Professional[®]

Water Soluble Fertilizer

PRODUCT FEATURES

- Classic formula is still one of the most versatile products in the Peters[®] line
- Designed originally for growing mix with field soil
- With soilless mixes, avoid using during extended cool, cloudy weather in late fall to early spring in northern climates

STOCK NO. 91010 / 11 / 13 / 18

- May be employed as a foliar spray
- Excellent for landscape and outdoor use
- Potential acidity counteracts moderate water alkalinity
- Maximum solubility 3 lb. 8 oz./gal.

GUARANTEED ANALYSIS

For Continuous Liquid Feed Programs

Total Nitrogen (N).....	20%
3.94% ammoniacal nitrogen	
6.05% nitrate nitrogen	
10.01% urea nitrogen	
Available phosphate (P ₂ O ₅).....	20%
Soluble potash (K ₂ O).....	20%
Magnesium (Mg) (Total)	0.05%
0.05% water soluble magnesium (Mg)	
Boron (B).....	0.0068%
Copper (Cu)	0.0036%
0.0036% chelated copper (Cu)	
Iron (Fe)	0.05%
0.05% chelated iron (Fe)	
Manganese (Mn).....	0.025%
0.025% chelated manganese (Mn)	
Molybdenum (Mo)	0.0009%
Zinc (Zn).....	0.0025%
0.0025% chelated zinc (Zn)	

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

Potential Acidity: 565 lb. calcium carbonate equivalent per ton.

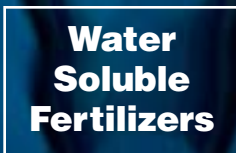
Distributed By:



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PROFESSIONAL
HORTICULTURE



Water
Soluble
Fertilizers

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(Suggestions for Commercial Growers)

100 ppm N Solution Contains the Following Elemental ppm		
Ammonium-N (NH ₄ - N)		19.7
Nitrate-N (NO ₃ - N)		30.3
Urea-N (Urea-N)		50.0
Phosphorus (P)		43.5
Potassium (K)		83.3
Calcium (Ca)		0
Magnesium (Mg)		0.30
Boron (B)		0.034
Copper (Cu)		0.018
Iron (Fe)		0.250
Manganese (Mn)		0.125
Molybdenum (Mo)		0.005
Zinc (Zn)		0.013

Crop Type	Continuous Feeding ppm N (Constant Liquid Feeding)	Periodic Feeding ppm N (Pulse Feeding)
Bedding Plants	50–150	150–250
Containerized Woody Plants	50–100	200–350
Cut Flowers	175–225	300–450
Potted Chrysanthemums	200–300	350–400
Potted Easter Lilies	200–300	350–400
Potted Tropical Foliage	150–200	250–300
Potted Geraniums	200–300	350–400
Potted Poinsettias	200–300	350–400
Plugs (All Types)	50–125	175–225
Landscape/Outdoors	200–300	400–600

Ounces of Peters Professional 20-20-20 General Purpose Per Gallon of Concentrate						
Nitrogen ppm N	Injector Ratios*					E.C.** mmhos/cm
	1:15	1:100	1:128	1:200	1:300	
25	0.25	1.69	2.16	3.38	5.06	0.10
50	0.50	3.38	4.32	6.75	10.13	0.20
75	0.75	5.06	6.48	10.13	15.19	0.30
100	1.0	6.75	8.64	13.50	20.25	0.40
150	1.5	10.13	12.96	20.25	30.38	0.60
200	2.0	13.50	17.28	27.00	40.50	0.80
300	3.0	20.25	25.92	40.50	***	1.20
400	4.0	27.00	34.56	54.00	***	1.60

Approximate Gallons Required to Dissolve One 25 lb. Bag of 20-20-20 General Purpose		
Nitrogen ppm N	Injector Ratios***	
	1:100	1:200
25	238	119
50	119	59.5
75	80	40
100	60	30
150	40	20
200	30	15
300	20	10
400	15	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 13.50 oz. (200 ppm N) and 5.06 oz. (75 ppm N) to yield 18.56 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 3 lbs. 8 oz./gal. (56 oz./gal.)

Small Volume Rate: 1 level tsp/gal = 240.1 ppm N
100 gal. tank - no injector: 1lb./100 gal. = 237.0 ppm N.

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.

This fertilizer does not contain calcium or significant levels of magnesium. For best results supplement your fertilizer program with these nutrients based on a complete water analysis.

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.