

4-8432



# 20-20-20

Peters Professional® Water Soluble Fertilizer

- User has complete control with rate flexibility and frequency of applications.
- Excellent one to one ratio.
- Suitable all-purpose formulation. Excellent for turf and landscape areas.

## GENERAL INFORMATION

**Net Weight:**

11.34 kg (25 lb)

**Coverage:**

Turf: 1 -2 bags of product with 380 litres of water per 0.4 hectares  
(1-2 bags of product with 100 gal of water per acre)

### PRODUCT SPECIFICATIONS ANALYSIS 20-20-20

<b>N</b>	20%	5.0% nitrogen derived from Potassium Nitrate
<b>P</b>	20%	Monoammonium Phosphate and Monopotassium Phosphate
<b>K</b>	20%	Mono-potassium Phosphate and Potassium Nitrate
<b>B</b>	0.02%	Boric acid
<b>Cu</b>	0.07%	Copper EDTA
<b>Fe</b>	0.1%	Iron EDTA
<b>Mn</b>	0.05%	Manganese EDTA
<b>Mo</b>	0.0004%	Sodium Molybdate
<b>Zn</b>	0.05%	Zinc EDTA

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## Peters Professional® Water Soluble Fertilizer

### PRECAUTIONS:

KEEP OUT OF REACH OF CHILDREN. MAY BE HARMFUL IF SWALLOWED OR INHALED. MAY CAUSE EYE AND SKIN IRRITATION. AVOID CONTACT WITH EYES, SKIN AND CLOTHING. WASH THOROUGHLY AFTER HANDLING. AVOID BREATHING DUST. DO NOT SWALLOW.

### DIRECTIONS FOR USE:

**DILUTION INFORMATION:** Determine desired application rate and the intended dilution. Add 1/2 of the total water to the spray tank. Activate sprayer agitation mechanism. Measure appropriate volume of fertilizer concentrate and add to the spray tank. Water temperature will affect dissolution rate. Bring spray tank to total volume with water.

**TANK MIXING:** If tank mixing with pesticides, follow published guidelines for compatibilities and the order of chemical additions. Test chemical compatibilities before tank mixing. Mix a small quantity of proposed chemicals in a jar at the appropriate dilutions. Allow to stand, then check consistency of mix. Use tank mix solutions as soon as possible after mixing. Do not store tank-mixed or diluted solutions.

**TURF:** For use on all turfgrasses on golf course putting greens, tees, fairways and other turf areas. Time of application and dosage rate depend on use and turfgrass species. Factors such as clipping removal, irrigation, rainfall frequency and soil texture will affect the dosage rate. Recommended rate is 1-2 bags of product per 0.4 hectares (1-2 bags per acre) mixed with no less than 380 L (100 gal) of water. 380 L per 0.4 hectares is equal to 9.5 L per 100 m<sup>2</sup> (2.3 gal per 1,000 sq. ft.). Refer to **Chart A** for further rate information. Increase water volumes for high rate applications.

**TREES & SHRUBS:** 1.0 to 1.5 kg of nitrogen per 100 m<sup>2</sup> (2.0 - 3.0 lb of nitrogen per 1,000 sq. ft.) per year are recommended for maintenance of landscape trees and shrubs. For best results, apply these levels of nitrogen over several applications made before and during active growth. Use **Chart B** to determine the amount of fertilizer required to provide the desired level of nutrient. Provide additional irrigation to insure nutrient penetration to the roots.

**FLOWER BEDS:** Dissolve 0.25 to 0.32 kg of fertilizer per 100 L of water or 4 mL of fertilizer per litre (8 to 10 oz of fertilizer per 25 gal of water or 1 tsp fertilizer per gal of water). As a guide apply 10 to 20 L of this fertilizer solution per square metre of planted ground area (1 qt. to 1/2 gal of this fertilizer solution per sq. ft.) for a thorough soaking of the soil. Repeat applications every 7-14 days.

### FIRST AID:

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician. Flush skin with water. (Wash clothing before reuse.)

### STORAGE AND USE:

Store in a clean, dry place. Reseal opened bag by folding top down and securing.

### SPILLS AND DISPOSAL:

If spilled, absorb with an inert noncombustible material and remove for disposal. Dispose of all waste in accordance with applicable government regulations.

### NOTICE TO BUYER:

Seller's guarantee shall be limited to the terms set out on the label and, subject thereto, the buyer assumes the risk to persons or property arising from the use or handling of this product and accepts the product on that condition.

### GUARANTEED MINIMUM ANALYSIS

Total Nitrogen (N) .....	20%
ammoniacal nitrogen .....	2.80%
nitrate nitrogen .....	5.00%
urea nitrogen .....	12.20%
Available phosphoric acid (P <sub>2</sub> O <sub>5</sub> ) .....	20%
Soluble potash (K <sub>2</sub> O) .....	20%
Boron (B) (Actual) .....	0.02%
Copper (Cu) (Chelated) (Actual) .....	0.07%
Iron (Fe) (Chelated) (Actual) .....	0.10%
Manganese (Mn) (Chelated) (Actual) .....	0.05%
Molybdenum (Mo) (Actual) .....	0.0004%
Zinc (Zn) (Chelated) (Actual) .....	0.05%

Derived from monopotassium phosphate, potassium nitrate, urea, boric acid, copper EDTA, manganese EDTA, iron EDTA, sodium molybdate, and zinc EDTA.  
Potential Acidity: 563 lb calcium carbonate equivalent per ton.

### CHART A

Nutrients provided at one and two bags in 380 L per 0.4 hectares (one and two bags in 100 gal per acre)

Rate	kg per 100 m <sup>2</sup>			lb per 1,000 sq. ft.		
	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O
<b>1 Bag</b>	0.05	0.05	0.05	0.11	0.11	0.11
<b>2 Bags</b>	0.11	0.11	0.11	0.23	0.23	0.23

NOTE: As rates go up, increase water volume to reduce the risk of turf injury.

### CHART B

Rates based on desired levels of N, P<sub>2</sub>O<sub>5</sub> or K<sub>2</sub>O

	Application Rate	kg per product per 100 m <sup>2</sup> **	Application Rate	lb product per per 1,000 sq. ft. **
<b>Rate Based on Nitrogen</b>	0.05 kg N	0.25	0.1 lb N	0.5
	0.10 kg N	0.50	0.2 lb N	1.0
	0.15 kg N	0.75	0.3 lb N	1.5
	0.20 kg N	1.00	0.4 lb N	2.0
	0.25 kg N	1.25	0.5 lb N	2.5
<b>Rate Based on Phosphorus</b>	0.05 kg P <sub>2</sub> O <sub>5</sub>	0.25	0.1 lb P <sub>2</sub> O <sub>5</sub>	0.5
	0.10 kg P <sub>2</sub> O <sub>5</sub>	0.50	0.2 lb P <sub>2</sub> O <sub>5</sub>	1.0
	0.15 kg P <sub>2</sub> O <sub>5</sub>	0.75	0.3 lb P <sub>2</sub> O <sub>5</sub>	1.5
	0.20 kg P <sub>2</sub> O <sub>5</sub>	1.00	0.4 lb P <sub>2</sub> O <sub>5</sub>	2.0
	0.25 kg P <sub>2</sub> O <sub>5</sub>	1.25	0.5 lb P <sub>2</sub> O <sub>5</sub>	2.5
<b>Rate Based on Potassium</b>	0.05 kg K <sub>2</sub> O	0.25	0.1 lb K <sub>2</sub> O	0.5
	0.10 kg K <sub>2</sub> O	0.50	0.2 lb K <sub>2</sub> O	1.0
	0.15 kg K <sub>2</sub> O	0.75	0.3 lb K <sub>2</sub> O	1.5
	0.20 kg K <sub>2</sub> O	1.00	0.4 lb K <sub>2</sub> O	2.0
	0.25 kg K <sub>2</sub> O	1.25	0.5 lb K <sub>2</sub> O	2.5

\* Dissolve this amount of product in a minimum of 100 L of water and apply per 100 m<sup>2</sup>.

\*\* Dissolve this amount of product in a minimum of 25 gal of water and apply per 1,000 sq. ft.

NOTE: For rates above 0.15 kg N or 0.3 lb N, increase water volume to reduce the risk of injury, OR water in immediately after application. For amounts above 2 kg or 4 lb product, double the volume and use warm water.

Amounts of P<sub>2</sub>O<sub>5</sub> & K<sub>2</sub>O provided at various N rates

N Rate	kg per 100 m <sup>2</sup>			lb per 1,000 sq. ft.		
	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O		N Rate	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O
0.05 kg N	0.05	0.05		0.1 lb N	0.1	0.1
0.10 kg N	0.10	0.10		0.2 lb N	0.2	0.2
0.15 kg N	0.15	0.15		0.3 lb N	0.3	0.3
0.20 kg N	0.20	0.20		0.4 lb N	0.4	0.4
0.25 kg N	0.25	0.25		0.5 lb N	0.5	0.5

Fertigation Rates (lb product / 100 gal of water)

Product	Injector Ratio	ppm—N Desired			
		25	50	75	100
20-20-20	1:100	10.6	21.1	31.7	42.2
	1:50	5.3	10.6	15.8	21.1
	1:30	3.2	6.4	9.5	12.7

Maximum solubility: 3 lb 6 oz. / gallon in warm water



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Nu-Gro Corporation, 10 Craig Street, Brantford, Ontario N3R 7J1

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