

# PETERS EXCEL<sup>®</sup> 21-5-20 MULTI PURPOSE

Moderately acidic formulation serves as an excellent all-purpose fertilizer for Types 2, 3 and 4 irrigation water.

- B (Base) formulation can be used alone or rotated with a C (Customizing) component
- Appropriate for Water Types 2, 3 and 4
- Contains a complete range of essential micronutrients

### Guaranteed Analysis

Total nitrogen (N) . . . . .	21%
7.3% ammoniacal nitrogen	
12.6% nitrate nitrogen	
1.1% urea nitrogen	
Available phosphate (P <sub>2</sub> O <sub>5</sub> ) . . . . .	5%
Soluble potash (K <sub>2</sub> O) . . . . .	20%
Boron (B) . . . . .	0.0262%
Copper (Cu) . . . . .	0.0262%
0.0262% water soluble copper (Cu)	
Iron (Fe) . . . . .	0.1050%
0.1050% chelated iron (Fe)	
Manganese (Mn) (Total) . . . . .	0.0525%
0.0525% water soluble manganese (Mn)	
Molybdenum (Mo) . . . . .	0.0105%
Zinc (Zn) . . . . .	0.0525%
0.0525% water soluble zinc (Zn)	

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



\* This formula available in Canada  
SKU# 99153

Mixing For Watering Cans, Spray Tanks (No Injectors)		
Amount of Fertilizer*	+ Amount of Water (gallons)	= Approx. ppm N
1 tsp	1	320
1 tbsp	2	480
1 cup	25	614

\*level measurements

1 pound of fertilizer + 100 gallons of water = 251.7 ppm N

Product Properties	
Potential Acidity . . . . .	.390 lbs calcium carbonate equivalent per ton
Conductivity of 100 ppm N . . . . .	0.63 mmhos/cm
Maximum Solubility . . . . .	4 lbs/gal

Weight (In Ounces) of Product Needed to Mix One Gallon of Concentrate						
Target Fertilizer Concentration (N/ppm) After Dilution	Common Injector Ratios					EC (mmhos/cm) of Target Feed Rate After Dilution
	1:15	1:100	1:128	1:200	1:300	
25	0.2	1.6	2.1	3.2	4.8	0.16
50	0.5	3.2	4.1	6.4	9.6	0.32
75	0.7	4.8	6.2	9.6	14.5	0.47
100	1.0	6.4	8.2	12.9	19.3	0.63
125	1.2	8.0	10.3	16.1	24.1	0.79
150	1.4	9.6	12.3	19.3	28.9	0.95
175	1.7	11.3	14.4	22.5	33.8	1.10
200	1.9	12.9	16.5	25.7	38.6	1.26
250	2.4	16.1	20.6	32.2	48.2	1.58
300	2.9	19.3	24.7	38.6	57.9	1.89
350	3.4	22.5	28.8	45.0	***	2.21
400	3.9	25.7	32.9	51.4	***	2.52
450	4.3	28.9	37.0	57.9	***	2.84
500	4.8	32.2	41.2	***	***	3.15
600	5.8	38.6	49.4	***	***	3.78

\*\*\* Exceeds maximum solubility.

Gallons of Water Required to Dissolve One 25 Lb Bag of Fertilizer						
Target Fertilizer Concentration (N/ppm) After Dilution	Injector Ratios					EC (mmhos/cm) of Target Feed Rate After Dilution
	1:15	1:100	1:128	1:200	1:300	
25	1658.9	248.8	194.4	124.4	82.9	0.16
50	829.4	124.4	97.2	62.2	41.5	0.32
75	553.0	82.9	64.8	41.5	27.6	0.47
100	414.7	62.2	48.6	31.1	20.7	0.63
125	331.8	49.8	38.9	24.9	16.6	0.79
150	276.5	41.5	32.4	20.7	13.8	0.95
175	237.0	35.5	27.8	17.8	11.8	1.10
200	207.4	31.1	24.3	15.6	10.4	1.26
250	165.9	24.9	19.4	12.4	8.3	1.58
300	138.2	20.7	16.2	10.4	6.9	1.89
350	118.5	17.8	13.9	8.9	***	2.21
400	103.7	15.6	12.2	7.8	***	2.52
450	92.2	13.8	10.8	6.9	***	2.84
500	82.9	12.4	9.7	***	***	3.15
600	69.1	10.4	8.1	***	***	3.78

\*\*\* Exceeds maximum solubility.