

# TECHNIGRO<sup>®</sup>

## WATER SOLUBLE FERTILIZER

# 17-5-17 Plus

Contains 3.5% Ca, 1.1% Mg

**For Continuous Liquid Feed Programs - For Professional Use Only**

### GUARANTEED ANALYSIS

<b>Total Nitrogen (N)</b> .....	<b>17%</b>
4.2% Ammoniacal Nitrogen	
12.5% Nitrate Nitrogen	
0.3% Urea Nitrogen	
<b>Available Phosphate (P<sub>2</sub>O<sub>5</sub>)</b> .....	<b>5%</b>
<b>Soluble Potash (K<sub>2</sub>O)</b> .....	<b>17%</b>
<b>Calcium (Ca)</b> .....	<b>3.5%</b>
<b>Magnesium (Mg)</b> .....	<b>1.1%</b>
1.1% Water-Soluble Magnesium (Mg)	
<b>Boron (B)</b> .....	<b>0.015%</b>
<b>Copper (Cu)</b> .....	<b>0.05%</b>
0.05% Chelated Copper (Cu)	
<b>Iron (Fe)</b> .....	<b>0.10%</b>
0.10% Chelated Iron (Fe)	
<b>Manganese (Mn)</b> .....	<b>0.05%</b>
0.05% Chelated Manganese (Mn)	
<b>Molybdenum (Mo)</b> .....	<b>0.01%</b>
<b>Zinc (Zn)</b> .....	<b>0.05%</b>
0.05% Chelated Zinc (Zn)	

**DERIVED FROM:** Ammonium Nitrate, Calcium Nitrate, Potassium Nitrate, Magnesium Nitrate, Ammonium Phosphate, Urea Phosphate, Iron EDDHA, Iron EDTA, Manganese EDTA, Copper EDTA, Zinc EDTA, Boric Acid, Sodium Molybdate.

**POTENTIAL BASICITY:** 38 lbs calcium carbonate equivalent per ton.

**NET WEIGHT:** 25 lb / 11.3 kg

**NOTICE:** This fertilizer contains molybdenum (Mo). Use of this product on forage crops may result in crops containing levels of molybdenum which are toxic to ruminant animals.

**NOTICE:** This fertilizer contains boron (B). Do not use on boron sensitive plants.

Various cautionary statements, handling and safety language on this label may or may not be in compliance with GHS, but it is required by various states, regulations and good business practices.

### DIRECTIONS FOR USE

#### Mixing Concentrated Fertilizer Solutions:

The table below lists how much Technigro fertilizer by weight to blend into a given volume of water to make a concentrated fertilizer solution. Recommended fertilizer concentrations are for a continuous feed program. However, the Technigro formula (NPK) and concentration (ppm) most suitable for individual use should be determined by soil and water analysis as well as plant response. Various target concentration and common injector ratios are included. Technigro dissolves faster in hot water. When mixing a concentrated solution with cold water, stir well and allow ample time for fertilizer to dissolve before using.

USAGE RATES						
ppm N	For fertilizers with 17% N analysis					
	Ounces of fertilizer per gallon of water for given injector ratio					
	No Injector	1:15	1:100	1:128	1:200	1:300
25	0.02	0.3	2.0	2.5	3.9	5.9
50	0.04	0.6	3.9	5.0	7.9	11.8
75	0.06	0.9	5.9	7.5	11.8	17.7
100	0.08	1.2	7.9	10.1	15.7	23.6
150	0.12	1.8	11.8	15.1	23.6	35.3
200	0.16	2.4	15.7	20.1	31.4	47.1
300	0.24	3.5	23.6	30.2	47.1	70.7
400	0.31	4.7	31.4	40.2	62.8	94.2

NOTE: This table does not consider maximum solubility limits.

A soluble salts or conductivity meter can be used to estimate the concentration of fertilizer solutions. The correct electrical conductivity (EC) in millisiemens per centimeter (mS/cm) is listed below for various ppm nitrogen concentrations. When measuring the conductivity of fertilizer solutions, be sure to subtract the conductivity of the water from the measured value of the fertilizer solution.

ppm N	mS/cm
50	0.38
100	0.76
150	1.14
200	1.52
300	2.28

### DANGER

#### PRECAUTIONARY STATEMENTS:

Keep away from heat. Keep/store away from clothing/flammable/reducing/combustible materials. Take any precaution to avoid mixing with flammable/reducing/combustible materials. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves/protective clothing/eye protection/face protection. In case of fire: Use any suitable mean for extinguishing surrounding fire. Spray water for small fires. For large fires flood with abundant water. If swallowed: Rinse mouth. Call a poison center or doctor/physician if feeling unwell. If on skin: Wash with plenty of soap and water. Take off contaminated clothing and wash it before reuse. If in Eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and able to do so. Continue rinsing. Immediately call a poison center or doctor/physician. Dispose of contents/container according to local/state/federal regulations.

#### HAZARD STATEMENTS:

May intensify fire; oxidizer.  
Harmful if swallowed.  
Causes skin irritation.  
Causes serious eye damage.



OX

