

Peters<sup>®</sup>  
Professional



**20-3-19**  
Petunia Special



GUARANTEED ANALYSIS		P1877
Total Nitrogen (N)	20%	20%
7.0% ammoniacal nitrogen		
12.2% nitrate nitrogen		
Available Phosphate (P <sub>2</sub> O <sub>5</sub> )	3%	3%
Soluble Potash (K <sub>2</sub> O)	19%	19%
Magnesium (Mg)	1.25%	1.25%
1.35% water-soluble magnesium (Mg)		
Sulfur (S)	2.5%	2.5%
2.5% combined sulfur (S)		
Boron (B)	0.02%	0.02%
Iron (Fe)	0.2%	0.2%
0.2% chelated iron (Fe)		
Manganese (Mn)	0.05%	0.05%
0.05% chelated manganese (Mn)		
Molybdenum (Mo)	0.01%	0.01%
Zinc (Zn)	0.05%	0.05%
0.05% chelated zinc (Zn)		

**Derived from:** Ammonium Nitrate, Ammonium Sulfate, Ammonium Phosphate, Potassium Nitrate, Magnesium Sulfate, Boric Acid, Iron EDTA, Iron DTPA, Ammonium Molybdate, Manganese EDTA, Zinc EDTA

Information regarding the contents and levels of metals in this product is available on the internet at <http://www.aapfco.org/metals.htm>

**WARNING:** This fertilizing material contains Boron (B). Use on any crops other than those recommended may result in serious injury to the crop(s). This fertilizer contains more than .001% molybdenum (Mo). The application of fertilizing materials containing molybdenum (Mo) may result in large crops containing levels of molybdenum (Mo) which are toxic to ruminant animals.

**TABLE 2** Weight in Ounces of Product Needed To Mix One U.S. Gallon of Concentrate

Target Fertilizer Concentration (ppm N) After Dilution	Injector Ratio			EC (micromhos of Target Feed Rate After Dilution)
	1:15	1:100	1:200	
50	0.5	3.4	6.8	0.27
100	1.0	6.8	13.5	0.54
200	2.0	13.5	27	1.08
300	3.0	20.3	40.5	1.62

**TABLE 3** Gallons of Water Required to Dissolve One 25 lb Bag of Fertilizer

Target Fertilizer Concentration (ppm N) After Dilution	Injector Ratio	
	1:100	1:200
50	118.5	59.3
100	59.3	29.6
200	29.6	14.8
300	19.8	9.9

**Potential Acidity:** 424 lbs calcium carbonate equivalent per ton

**Conductivity at 100 ppm:** 0.54 mehos/cm

**Maximum solubility:** 5 lbs/gal



**E99090**  
E99090 311013

# Water Soluble Fertilizer



**NET WEIGHT: 25 lb (11.34 kg)**



# Back of Bag

## DIRECTIONS FOR USE

**Selecting the correct fertilizer program** – The chemical composition of the injector solutions applied to crops has a major influence on the nutrients available to plants in the long term. First, send a sample of your irrigation water to the Everris Testing Lab. Test results will indicate your ABC Water Type (1-4) that can be matched with a similar indicator that appears on the front of each bag of Everris Water Soluble Fertilizer. Selecting a fertilizer based on this water type will ensure you experience the best results from your fertilizer program.

**Selecting the correct concentration** – The correct fertilizer concentration for a particular operation will depend on a number of factors including: feeding frequency, crop type, crop stage, growing media, pot size, leaching factors and environmental conditions. Generally, fertilizer should be applied at concentrations necessary to sustain optimal nutrient levels and quality plant growth. Continuous feeding provides a more uniform plant nutrition program and is recommended over periodic feeding. See Table #1 for general recommendations for crop types.

Crop Type	Recommended Feeding Rates	
	Constant Liquid Feeding (gpm/l)	Periodic Feeding (gpm/l)
Seedling Plants	50 – 150	150 – 250
Containerized Shady Plants	50 – 100	200 – 300
Flowering Pot Crops	200 – 300	300 – 400
Perennial Foliage	150 – 200	250 – 300
Plugs (All Types)	50 – 120	175 – 225
Landscape/Outdoors	200 – 300	400 – 600

**Mixing Concentrated Stock Tanks** – Most growers make up concentrate solutions in a stock tank and use an injector system to achieve the correct final concentration for best results:

1. Decide if you want to dilute a partial bag (Table #2) or full bag (Table #3) of fertilizer.
2. Determine your desired Target Fertilizer Concentration (gpm/l) After Dilution.
3. Select your Injector Ratio Setting.
4. Go Table #2 – the value stated is the correct weight of fertilizer necessary to make one gallon of concentrate. (Do Make More Than 1 Gallon; Multiply the value times the number of gallons of concentrate you wish to mix – i.e., 1000 tank volume.)  
Go Table #3 – the value stated is the volume (in gallons) of water required to dissolve one 25 pound bag of fertilizer.
5. Fill the concentrate tank to approximately 5/8 tank volume. (Note: if possible use warm water to more quickly dissolve the fertilizer.)
6. Add mineral acid only if necessary (addition may be required with solubility levels greater than 250 ppm calcium carbonate).
7. Add fertilizer and stir vigorously.
8. Top off the tank volume with water.

**Fertilizer Compatibility** – All Peters brand fertilizers are tank mix compatible with each other. However, not all Peters Professional and Fresh Care water soluble fertilizer products are compatible. There can be problems when blending calcium containing fertilizers with sulfates and/or sulfate-containing fertilizers such as S, E, M™, Ispion salts (suspension sulfate). Refer to Everris Compatibility Information on our website.

**Solubility** – Product components are completely water soluble. However, a number of factors will determine how fast the fertilizer will dissolve (i.e., demand concentration, temperature of irrigation water, agitation, time, irrigation water quality, the fertilizer itself and compatibility of other components in the stock tank). Each product has a stated maximum solubility that is determined under ideal lab conditions – it is physically impossible to maintain solubility above this value.

**Water Soluble Fertilizer Appearance** – This product is composed from a number of components, varying in size. Some of the products are uniform in appearance while others appear heterogeneous. The trace dye color intensity and distribution may appear variable to the bag. However, when the product is diluted in a stock tank the colorant level should be consistent.

**Monitoring** – The Everris Testing Laboratory is a reliable source for testing water, growing media or tissue. Injector monitoring and maintenance will help to ensure that you are feeding at optimal levels. Weekly on-site measurements of fertilizer uptake and crop media EC and pH can be a valuable tool in managing your crop. A follow-up program of complete media analysis (and tissue analysis in problem solving situations), should be initiated to optimize your nutritional program.

**Need More Information** – To fine-tune your fertilizer selection to your individual growing conditions, you can contact an experienced Everris horticultural professional or you can refer to the [www.PetersABC.com](http://www.PetersABC.com) website to access the Peters ABC Selection System™.

## SAFETY INSTRUCTIONS:

FOR SAFETY PRECAUTIONS, REFER TO THE MATERIAL SAFETY DATA SHEET, OR CALL 1-800-467-6225 OR 314-980-7500.

**WARNING:** May be harmful if swallowed or inhaled. May cause irritation.

- Avoid contact with eyes, skin and clothing.
- Avoid breathing dust.
- Wash thoroughly after handling.
- Do not swallow.

**First Aid:** In case of contact, immediately flush with plenty of water for at least 15 minutes. Call a physician. Flush skin with water. Wash clothing before reuse.

**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.

**Storage:** Opened bags should be sealed. Unsealed or partially used products may take on moisture from the atmosphere and may subsequently soften or harden in the bag. As long as bags are properly re-sealed, this should in no way diminish nutrient content of the fertilizer. Store product in a cool, dry environment.

## FOR PROFESSIONAL USE ONLY. KEEP OUT OF REACH OF CHILDREN.

### DISCLAIMER AND LIMITATION OF LIABILITY (IMPORTANT NOTICE FROM EVERRIS N.A.M.C. ("Everris")) PLEASE READ BEFORE USE.

By using this product, user or buyer accepts the conditions, disclaimer of warranties and limitations of liability found the entire directions for use, conditions of warranties and limitations of liability before using this product. If terms are not acceptable, return the unopened product container at once for full refund.

**CONDITIONS:** This product has been manufactured to provide necessary data to support its uses listed on the label. The directions for use of this product are believed to be adequate and the user or buyer must always follow the label directions carefully and exercise judgment and caution when using this product under their growing conditions. However, it is impossible to eliminate all risks associated with the use of this product. Crop injury, malnutrition, unsatisfactory or substantial results or other unintended consequences may result because of such factors as weather conditions, presence or absence of other materials, or the manner of use or application, all of which are beyond the control of Everris. All such risks shall be assumed by the user or buyer.

**WARRANTY:** This product corresponds to all claims and descriptions on front or the label and, subject to the conditions set forth above, is reasonably fit for use for any purpose for which it is intended. Everris recognizes that the rights and remedies of the user or buyer are subject to the provisions of the applicable state law, but makes no other warranties or representations, express or implied, of merchantability or of fitness for a particular purpose or otherwise, that extend beyond the statements made on the label. No agent of Everris is authorized to make any warranties beyond those contained herein or to modify the warranties contained therein. Subject to the user's or buyer's rights and remedies under the applicable state law, Everris disclaims any liability whatsoever for special, incidental or consequential damages resulting from the use or handling of the product.

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To request additional information, please contact your Everris Distributor or call Everris Customer Service at 1-800-467-6225 or 314-980-7500.

**everris.**

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Made in the U.S.A.

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EPA/AT09

