



Professional
**Greenhouse Water
Soluble Fertilizers**

Formulated to minimize and correct pH-related problems
at different water alkalinity ranges

Designed for growth performance of your
Proven Winners and Proven Selections plants

Product selection support by Proven Winners
based on your specific water conditions

New Proven Winners® Professional Greenhouse Water Soluble Fertilizers

Proven Winners® Professional Greenhouse Water Soluble Fertilizers are designed to improve pH management and minimize problems due to high pH levels.

Proven Winners® has developed eight specific formulations to minimize and correct pH related problems at different water alkalinity ranges, as well as cold weather growing and greening formulas. Each formula contains 100% FeEDDHA – the best chelated iron form available – for improved iron uptake at high pH levels and to correct iron deficiency.

Formulated for Proven Winners® and Proven Selections® Plants and to Match Your Specific Water Supply

One of the most frequently asked questions of Proven Winners® from growers across the USA is how to best manage plant nutrition and pH. Based on the questions we receive, we know that incorrect fertilization and pH is a leading cause of grower production issues leading to less than optimal results.

Because of this, we have developed Proven Winners® Professional Greenhouse Water Soluble Fertilizers:

- These products are developed to work at different water alkalinity ranges in order to help minimize pH-related problems.
- Based on review of a recent water test from your greenhouse or nursery, Proven Winners® will recommend one of seven formulations targeted at specific water alkalinity ranges to help minimize pH-related problems.
- There are also products for cold weather growing, as well as a greening formula.
- The iron source in each product is 100% FeEDDHA, the best chelated iron form for plant uptake at higher pH levels.

The specific formulations of Proven Winners® Professional Greenhouse Fertilizers were developed by our own growers for results in different growing conditions. Plus, they are backed by the advice and service of the Proven Winners® propagator companies.



We'll Use Your Water Test Results to Help Select the Right Product for You

Which Proven Winners® Professional Greenhouse fertilizer is best for you to use is based on water test results. If you have a completed water test that is three months old or less, send the results to your Proven Winners® propagator. If you don't have a test kit, call Proven Winners or order one online: www.provenwinners.com/water-test-kit.

Once completed, your test results will be automatically emailed to you, indicating the correct Proven Winners formula to match your water needs.

Proven Winners® Professional Greenhouse Water Soluble Fertilizer Products

The eight fertilizer products available from Proven Winners® can be used with every irrigation. The specific product that you will use is based on your specific water conditions or needs:

- **12-3-12 + Minors**
Low Alkalinity Formula with FeEDDHA. Contains high levels of Nitrate Nitrogen for cold weather conditions.
- **14-3-14 + Minors**
Moderately Low Alkalinity Formula with FeEDDHA
- **16-4-16 + Minors**
Moderate Alkalinity Formula with FeEDDHA
- **18-5-18 + Minors**
Moderately High Alkalinity Formula with FeEDDHA
- **17-4-17 + Minors**
High Alkalinity Formula with FeEDDHA
- **16-4-8 + Minors**
Greening/pH Reducing Formula with FeEDDHA. A valuable tool to correct increases in pH and quickly green up a crop.
- **0-9-6 + Minors**
Plant Holding Formula with FeEDDHA
- **Micronutrient Formula**

Each Product Contains 100% EDDHA as its Source of Iron

All products listed above are made with 100% FeEDDHA. These products have a reddish-brownish color appearance due to the inclusion of the Iron EDDHA ingredient.

Packaging

Proven Winners® Professional Greenhouse Water Soluble Fertilizers are packaged in 25 lb. bags. Bags are 5 mil. plastic bags, with a 2 mil. poly inner liner. Package labels are distinctly color coded for easy identification.

How to Order Proven Winners® Professional Greenhouse Water Soluble Fertilizers

- **Contact your Proven Winners® propagator:**

Pleasant View Gardens, Loudon, NH 800-343-4784 Fax: 603-435-6849

Four Star Sales, Carleton, MI 734-654-6420 Fax: 734-654-2795

EuroAmerican Propagators, Bonsall, CA 888-323-0730 Fax: 760-731-3054

Proven Winners, Sycamore, IL 815-895-1872 Fax: 815-895-1873

These products are not available in Canada at this time.

- At the time of your initial order, a recent water test taken within the last three months is required. We will review your water test and match your water alkalinity to the correct fertilizer products for your specific growing situation. If you do not have a recent water test, order a test kit at www.provenwinners.com/water-test-kit.
- After your initial order, you can reorder through your propagator, or online at www.provenwinners.com/pro-fertilizers. An updated water test is required.
- Minimum order is one 25 lb. bag.
- Pricing and freight quotes are provided by your Proven Winners® propagator or online. Orders can be made up of multiple or different products to reach freight quantity discounts.
- Products are produced by Greencare Fertilizer and shipped to you by either Greencare or your Proven Winners® propagator. Final pricing is dependent on quantity ordered.

Water quality and fertilizer are only two of many factors that affect media pH. Proven Winners® does not guarantee that these fertilizers will eliminate all of your pH and nutritional problems. Proven Winners® further recommends regular soil, tissue, and water testing to minimize pH and other nutritional problems. Additionally, these products are formulated for use with Proven Winners® and Proven Selections® annual and perennial plants. Use caution when applying on other plant material.

Products Produced by Greencare Fertilizer

Greencare Fertilizer is an innovator in water soluble fertilizer products and is focused on providing complete solutions to growers. Greencare takes the time and effort to manufacture these products in a controlled environment so they are completely uniform, bag-to-bag, and within the bag.



Formula	Primary Fertilizers (can be used with every irrigation)					Specialty Fertilizers (should be used for specific reasons)		
	12-3-12 + Minors	14-3-14 + Minors	16-4-16 + Minors	18-5-18 + Minors	17-4-17 + Minors	16-4-8 + Minors	0-9-6 + Minors	
Name	Low Alkalinity Formula	Moderately Low Alkalinity Formula	Moderate Alkalinity Formula	Moderately High Alkalinity Formula	High Alkalinity Formula	Greening Formula	Holding Formula	Micro-nutrient Formula
Desired Alkalinity	0-50 ppm	0-60 ppm	40-100 ppm	100-200 ppm	200-300 ppm	-	-	-
% Nitrate Nitrogen	96%	87.5%	75%	60%	50%	37.5%	0	0
% Ammoniacal Nitrogen	4%	12.5%	25%	40%	50%	62.5%	0	0
Potential Acidity/Basicity	400 lbs. Basic	260 lbs. Basic	17 lbs. Basic	380 lbs. Acidic	600 lbs. Acidic	865 lbs. Acidic	-	-
Total N	12.9%	14.2%	16.6%	18.3%	17.2%	16.4%	0.0%	0.0%
NO₃-N	12.4%	12.4%	12.5%	11.0%	8.6%	6.1%	0.0%	0.0%
NH₄-N	0.5%	1.8%	4.2%	7.3%	8.6%	10.2%	0.0%	0.0%
Urea-N	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
P₂O₅	3.6%	3.9%	4.4%	5.1%	4.8%	4.6%	9.0%	0.0%
K₂O	12.9%	14.2%	16.0%	18.3%	17.2%	8.8%	6.0%	0.0%
Ca	9.7%	7.2%	3.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Mg	1.6%	1.8%	2.0%	1.2%	1.1%	1.6%	6.0%	0.0%
S	0.0%	0.0%	0.0%	2.5%	6.3%	8.8%	9.0%	0.0%
B	0.016%	0.018%	0.020%	0.023%	0.021%	0.020%	0.067%	1.03%
Cu	0.016%	0.018%	0.020%	0.023%	0.021%	0.020%	0.067%	1.03%
Fe	0.065%	0.071%	0.080%	0.092%	0.086%	0.410%	0.269%	4.13%
Mn	0.032%	0.035%	0.040%	0.046%	0.043%	0.040%	0.135%	2.06%
Mo	0.006%	0.007%	0.008%	0.009%	0.009%	0.008%	0.027%	0.41%
Zn	0.032%	0.035%	0.040%	0.046%	0.043%	0.040%	0.135%	2.06%
Other uses	Best for growing in the cold (<60° F)					Rapid acidification + extra iron and Mg	Keeps plants healthy without applying nitrogen	Improved STEM replacement

All formulas are made with FeEDDHA supplying 100% of the iron.

Approximate Nutrient Concentrations Supplied by the Formulas at 200 ppm N
(all figures below expressed in ppm)

Formula	12-3-12 + Minors	14-3-14 + Minors	16-4-16 + Minors	18-5-18 + Minors	17-4-17 + Minors	16-4-8 + Minors	0-9-6 + Minors	
Name	Low Alkalinity Formula	Moderately Low Alkalinity Formula	Moderate Alkalinity Formula	Moderately High Alkalinity Formula	High Alkalinity Formula	Greening Formula	Holding Formula	Micro-nutrient Formula
Total N	200	200	200	200	200	200	0	0
NO ₃ -N	192	175	150	120	100	75	0	0
NH ₄ -N	8	25	50	80	100	125	0	0
Urea-N	0	0	0	0	0	0	0	0
P	24	24	24	24	24	24	15	0
K	165	165	165	165	165	85	20	0
Ca	150	100	35	0	0	0	0	0
Mg	25	25	25	13	13	20	25	0
S	0	0	0	40	75	110	33	0.60
B	0.25	0.25	0.25	0.27	0.25	0.25	0.25	0.25
Cu	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
Fe	1.00	1.00	1.00	1.00	1.00	5.00	1.00	1.00
Mn	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
Mo	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Zn	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
EC at listed concentration	1.56 mS @200 ppm N	1.49 mS @200 ppm N	1.38 mS @200 ppm N	1.40 mS @200 ppm N	1.58 mS @200 ppm N	1.63 mS @200 ppm N	0.20 mS @15 ppm N	



**Proven Winners® Professional Greenhouse
Water Soluble Fertilizers**

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