

# SPECTRUM™

## AQUATIC NUTRIENT METABOLIZER (WSP)



### PRINCIPAL FUNCTIONING AGENTS

Proprietary blend of naturally occurring bacterial strains, enzymes, dispersing agents and carbon-enhanced medium specifically formulated to remove excess inorganic nutrients in the water column of ponds and lakes 100% SPECTRUM is certified nonpathogenic.

### KEEP OUT OF REACH OF CHILDREN

### PRECAUTIONARY STATEMENT

If medical advice is needed, have product container or label at hand. Read label before use.

### STATEMENT OF PRACTICAL TREATMENT

**If Swallowed:** Rinse mouth. Have person sip a glass of water if able to swallow. Do NOT induce vomiting, unless told to by a poison control center or doctor. Do not give anything to an unconscious person.

**If Inhaled:** Move person to fresh air. If person is having difficulty breathing, give oxygen. If not breathing, give artificial respiration.

**If in Eyes:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice or attention.

**If on Skin:** Wash affected area with plenty of soap and water. Use tepid water if available. If skin irritation occurs: Get medical advice or attention.

### GENERAL INFORMATION

SPECTRUM preemptively digests phosphorus and nitrogen found in the water column of lakes and ponds. SPECTRUM is ideal for aquaculture production, golf courses and other recreational/ornamental bodies of water where clarity and a balanced ecosystem are desirable. SPECTRUM is a 100% natural product requiring no special permits or applicator's license. SPECTRUM is nontoxic, noncaustic and noncorrosive.

### DIRECTIONS FOR USE

Begin applying SPECTRUM once water temperatures reach 55° F. Continue treatments for balance of season or until pond clarity improves or water testing results indicate nutrients have been reduced to desirable levels. See Initial and Maintenance Dosage Rates.

*First: Calculate the surface acres of the pond. (Surface Acre = 43,560 square feet)*

*To calculate surface area of rectangular*

*ponds:*

*To calculate surface area of round ponds:*

Surface Acres =  $\frac{\pi r^2}{43,560}$        $\pi = 3.14$        $r = \text{radius of pond}$

SA = Surface Acres

Surface Acres =  $\frac{\text{Length} \times \text{Width}}{43,560}$

**Dispersion of Water-Soluble Packets:**

Large Ponds and Lakes: (2+ acres) Apply 1/2-pound water-soluble packets in a uniform 20-foot to 50-foot grid pattern across lake, via boat, for even distribution. Small Ponds: (0-2 acres) Throw 1/2-pound water-soluble packets into water, distributing them evenly across the pond.

### APPLICATION USE RATES: Initial Dosage Application Rates

Initial dosage will require 3-6 lbs. per surface acre of water. 6 lbs. per surface acre of water for severely degraded or highly eutrophic ponds. Severely degraded ponds may require up to 2 to 3 initial dosage applications.

Trophic Status	Water Quality	Total Phosphorus	Application Rate
Oligotrophic	Clean, clear water	>0.019 ppm	0 lbs./Surface Acre
Mesotrophic	Semiclear water	0.020 - 0.079 ppm	3 lbs./Surface Acre
Eutrophic	Light limited	0.080 - 0.39 ppm	4-5 lbs./Surface Acre
Hypereutrophic	Pea soup green	0.40 ppm and greater	6 lbs./Surface Acre

### Maintenance Dosage Application Rates

Maintenance dosage will require 1.5 to 2.0 lbs. per surface acre every two weeks until desired results are achieved. When water temperatures are below 55° F, use the following corrected dosage recommendations:

### Temperature Correction Chart

Optimum results are obtained when water temperatures are over 60° F.

Temperature Range	Multiply Dosage By:
55° F or Above	1.00
54° F - 52° F	1.11
51° F - 47° F	1.25
46° F - 43° F	1.43
42° F - 40° F	1.53

### Parameters For Best Results

1. pH	Optimum 7, Min. 4.5, Max. 9.5
2. D.O.	>2.0 ppm, Min. 1.0 ppm
3. Water Temperature	Optimum 80° F, Min. 55° F, Max. 95° F
4. Alkalinity (Calcium hardness)	> 100 ppm

### STORAGE

Store in dry area at room temperature not to exceed 100° F.  
Do Not Allow Product To Become Wet or Moist.

### CONDITIONS OF SALE

Note: Read the information contained herein before buying or using this product. If the stated terms are not acceptable, return the product at once unopened. It is critical that this product be used and mixed only as specified on this label. Neither the manufacturer nor the seller makes any representation or warranty, expressed or implied, with respect to the results from the use of this material. Buyer and user assume all risks of use and/or handling. Precision Laboratories, LLC warrants that this material is reasonably fit for use as specified on this label. No agent or representative is authorized to make any other representations concerning this material. Unforeseen factors beyond Precision's control prevent elimination of risks in connection with the use of its chemicals. Such risks include, but are not limited to, damage to plants and/or crops to which the material is applied, or lack of complete control and damage caused by drift to other plants or crops. Such risks may occur even though the product is reasonably fit for use as stated herein and even though label directions are followed. Follow directions carefully. Timing, mixture, method of application, weather and other conditions are influencing factors in the use of this product and are beyond the control of the seller. Except to the extent prohibited by applicable law, the exclusive remedy of the user or buyer and the limit of liability of the company or any other seller for any and all losses, personal injuries or damages resulting from the use of this product, shall be the purchase price paid by the user or buyer for the quantity of product involved.

# S P E C I M E N L A B E L

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For 24-hour technical assistance when using this product in the USA and Canada, call: 1-800-323-8351  
For 24-hour emergency service when using this product in the USA and Canada, call CHEMTREC: 1-800-424-9300

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