

# ASSURE

## Biological Pond Treatment Pucks

*Assure Pond Pucks* contain a biologically diverse microbial system specifically formulated to remove excess nutrients such as phosphates, nitrates and ammonia from the entire water column. When aqueous environments are overloaded with contaminants they tend to become murky and the entire ecosystem becomes unbalanced. *Pond Pucks* contain multiple strains of select aerobic and facultative bacteria capable of rapidly biodegrading cellulose, lignin, hydrocarbons and other organic contaminants. The tablets also contain select microbial strains, which utilize the excess phosphates, nitrates and ammonia in the water column to satiate their metabolic functions. When the excess nutrient load is removed the end result is improved water clarity, reduced organic sediment and suspended particulate matter, a reduction in foul odors and an overall improvement in water quality.

### PRODUCT PARTICULARS

*Improves Water Clarity and Water Quality*  
*Contains Aerobic & Facultative Bacteria (works at lower oxygen levels)*  
*Contains 100 % Organic & Natural Ingredients – No Genetically Altered Microorganisms*  
*Removes Excess Ammonia, Phosphates & Nitrates Through Biological Processes*  
*Contains Multiple Strains Of Denitrifying Bacteria (remove nitrates)*  
*Biodegrades Hydrocarbons, Lignin & Other Organic Pollutants From Water Column*  
*Breaks Down Sludge & Sediment At Bottom of Pond*  
*Drastically Reduces Foul Odors – Including Hydrogen Sulfide*  
*Seeds & Maintains All Types of Biological Filters*  
*Contains Psychrophilic Bacteria (function in cold water)*  
*Contains Mesophilic Bacteria (function in cool water)*  
*Contains Thermophilic Bacteria (function in warm water)*  
*Works Under a Broad Range of Environmental Condition*

### APPLICATION RATES

Apply shock dose once water temperatures reach 45<sup>o</sup> F. Two weeks after shock dose begin with monthly maintenance dose. If pond is extremely dirty prior to initial application, apply the shock dose at 2 – 4 week intervals until there is an improvement in water clarity then revert to monthly maintenance dose.

|                          |  |
|--------------------------|--|
| Shock Dose               | 16 tablets per acre-foot (325,000 gal) |
| Monthly Maintenance Dose | 8 tablets per acre-foot (325,000 gal)  |

### CALCULATING NUMBER OF ACRE FEET

Length (ft) x Width (ft) x Average Depth (ft) x 7.48 = Number of gallons  
Divide number of gallons by 325,000 and that gives you number of acre-feet

### ACTIVE INGREDIENTS

Multiple strains of naturally occurring aerobic & facultative microorganisms.  
@ a minimum concentration of  $2.0 \times 10^9$  CFU per gram.

**Each Pond Puck Weighs 68 Grams**

**There are 6.67 Pucks Per Pound**