



# LakePak® WSP®

## Biological Lake Clarifier and Deodorizer

### GENERAL DESCRIPTION

- Improves water clarity and quality
- Reduces ammonia, nitrate and phosphorus levels
- Controls methane and sulfide odors
- Reduces sludge and organic sediment

LakePak® WSP® is a concentrated microbial product containing a proprietary blend of bacillus bacterial strains that biodegrade nutrients, organic matter and hydrocarbons to reduce foul odors and sludge in water. LakePak WSP is non-toxic to fish, humans and other animals. For these reasons, LakePak provides more consistent results in a total water quality management program.

### RECOMMENDED RATES

Apply 3 pounds (6 WSPs) LakePak per acre foot of water. One acre foot equals 325,851 gallons (1,234 cubic meters) of water. Toss WSPs into water, dispersing as evenly as possible around area to be treated. If there is continuous supply of phosphorus nutrients deposited into the water (e.g. bird feces or fertilizer runoff) a LakePak application may be overwhelmed in its ability to biodegrade the excess nutrients.

Determine the size of the water feature with the following formula:

$$\frac{\text{Length} \times \text{Width} \times \text{Average Depth}}{43,560} = \text{Acre Feet}$$

### Maintenance Rate

Apply 0.5 pounds (1 WSP) LakePak per acre foot every 2 weeks. If water temperature exceeds 50°F (10°C) for a 6 month period, apply another 3 pounds per acre foot midway through the season as a curative supplemental treatment. Ponds or lakes with a history of chronic problems or low dissolved oxygen levels may benefit from a higher maintenance rate of 1 pound (2 WSPs) per acre foot every 2 weeks.

### DIRECTIONS FOR USE

- LakePak WSP contains facultative bacteria which can survive in aerobic and anaerobic conditions. Anaerobic conditions occur at the pond bottom, leading to the formation of the sludge layer. Facultative bacteria work to reduce this sludge layer.
- Water temperature should be at least 50°F (10°C) and have a pH range of 6-8. Microbial activity is slower at lower temperatures and pH values outside this range.
- If the water body has an inflowing stream, apply LakePak WSP where the stream meets the lake or pond. Aeration is beneficial for proper microbial activity. By maximizing dissolved oxygen, the best possible environment for the bacteria is created. Use mechanical aeration for best results.

Do not tank mix with aquatic herbicides or algacides containing copper or bromides. If these products are used, apply at least one week prior to initial LakePak WSP application. If algae bloom is already severe, treat with an algacide (e.g. copper products) and wait seven days before inoculating with LakePak WSP at the 3 pounds per acre foot rate.

### Storage

Keep LakePak WSPs tightly sealed in a plastic bag when not in use. Store in cool, dry location and avoid exposure to direct sunlight. WSPs may become brittle in cold storage conditions. Avoid excessive handling of WSPs in cold temperatures.

### PACKAGING

Packaged as 24x1 WSPs (4 inner boxes of 6 packets).

LakePak® and WSP® are registered trademarks of Becker Underwood.

