



**MicroSynergies**<sup>®</sup>  
bringing technology and people together.<sup>®</sup>

## MicroChoice<sup>®</sup> WWT

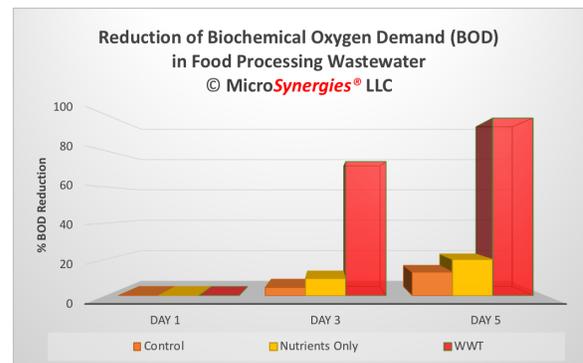
**A concentrated, dry blend of stabilized bacterial spores and micronutrients formulated for use in food and municipal wastewater treatment.**

Properly sized and managed wastewater treatment plants allow a food processing facility or municipality to discharge clean and environmentally responsible effluent. However, with the increasing demand placed on these facilities, effluent that is not properly treated makes its way into our rivers, streams, and lakes. In an effort to help these plants meet legal and environmental specifications, as well as for the protection of our waterways, we've worked with industry scientists to develop **MicroChoice<sup>®</sup> WWT**.

**MicroChoice<sup>®</sup> WWT** contains a unique blend of non-engineered cultures that rapidly digest organic wastes. These bacteria are supplied on a proprietary micronutrient carrier that provides accelerated germination, growth, and enzyme production to maximize the reduction of BOD, COD, suspended solids, ammonia, and odors.

Our *Total System Approach* begins with the *Wastewater Treatment Questionnaire*. By reviewing the completed questionnaire, our technical staff will have a better understanding of the system to be treated and the problems occurring in the system. This

information will be used to determine the appropriate application rate for the facility under investigation.



Our technical staff was asked to develop a treatment schedule to reduce the Biochemical Oxygen Demand (BOD) of the effluent from a food processing wastewater treatment plant. Utilizing the *Total System Approach* and information gained from the *Wastewater Treatment Questionnaire*, the decision was made to augment with a nutrient blend as well as the bacteria in **MicroChoice<sup>®</sup> WWT**. Adjustments were also made to the pH and dissolved oxygen levels in portions of the treatment system. As demonstrated above, this approach resulted in a very quick reduction in the BOD of the effluent.

# MicroChoice® WWT Specifications

**Guaranteed Minimum Bacterial Concentration:**

4 Billion CFU/g (1.8 Trillion CFU/pound)

**Applications:**

- Winery wastewater plants
- Facultative lagoons and holding tanks
- System upset recovery

**Product Profile:**

Multiple *Bacillus* Species

- Naturally occurring, non-engineered
- Aerobes and facultative anaerobes
- Highly motile
- Positive chemotaxis
- 100% stabilized bacterial spores

**Bacterial Enzyme Production:**

Amylase, Protease, Lipase, Esterase, Urease, Cellulase, Xylanase

**Appearance:**

Dry, tan, free-flowing powder.

**Effective pH Range:**

5.0 – 10.0

**Effective Temperature Range:**

5°C - 55°C (40°F - 130°F)

**Shelf Life:**

One year at 21°C (70°F)

**Standard Packaging:**

One-pound water soluble packets in 25-pound pails and bulk fiber drums.

**Custom Products:**

Contact us for alternative formulations and packet sizes to meet your desired specifications.

**Storage and Handling:**

Store in a cool, dry location. If exposed to skin or eyes wash thoroughly with water. The bacteria are stabilized and shipped in spore form to insure long-term stability and extended shelf life.

The information herein is true and accurate to the best of our knowledge; however, this product information sheet is not to be considered as a guarantee expressed or implied, or as a condition of sale of this product.