



8820 Old Hwy 99 SE, Tumwater, Washington 98501, USA  
360-943-6063 800-562-6184 FAX 360-352-4813 www.ch2o.com



## IVR-ZYME DRY BIOLOGICAL FORMULATION FOR LAKES, PONDS AND AQUACULTURE APPLICATIONS

**IVR-ZYME** is a high potency, microorganism concentrate that accelerates degradation of nutrients in pond water. The synergetic blend of unique organisms in **IVR-ZYME** helps control algae, hydrocarbons, hydrogen sulfide, ammonia, and nitrites. Because of the highly specialized microorganisms and enzymatic activity, this product is excellent for increasing water clarity. **IVR-ZYME** does not affect aquatic life, providing biological control that is compatible with managing a natural ecological balance. **IVR-ZYME's** aerobic and anaerobic bacteria are present in significant numbers to handle the most difficult water quality problems in retention ponds, lakes and aquaculture applications.

### WASTE REDUCTION

**IVR-ZYME DRY** is a specially designed mixture of bacteria loaded on a dry nutrient base. When activated, this product will digest complex proteins, starches, fats, cellulose and vegetable gums. Adding these special bacterial strains to septic tanks, cesspools, lagoons, or municipal waste processes will greatly accelerate the normal rate of waste degradation.

### BEST CONDITIONS

**IVR-ZYME DRY** performs best when water temperature is between 55° and 100°F (13° and 38°C). Performance is best when pH is between 6.0 to 8.5. For operating environments outside these ranges, performance will continue at a reduced rate. Recommendations for pH and temperature control can be obtained by consultation with your CH<sub>2</sub>O water treatment specialist.

### DETERGENT CONTROL

Detergent shock to household septic systems is a common cause for septic tank overflow and drainfield failure. Natural bacteria in septic systems cannot bio-remediate these detergents. **IVR-ZYME DRY** will maintain a high level of activity due to its ability to thrive and reproduce on typical laundry detergents.

### FATS & GREASE

Grease, fats, and oils are responsible for many clogging problems in residential and industrial plumbing systems. **IVR-ZYME DRY** splits fats, oils, and grease into simpler molecules that easily hydrolyze.

### CELLULOSE & PROTEINS

**IVR-ZYME DRY** has been created to actively degrade complex proteins in the presence of detergent loads up to 24 times higher than normally required to render a sewage treatment system inactive! It will continue to degrade cellulose while such detergent levels are present.

### ACTIVE CONTROL

Augmenting sewage treatment systems with **IVR-ZYME DRY** will greatly improve daily performance, degrading proteins, paper, grease, fat, vegetable oils, and detergents. Detergent shock control with **IVR-ZYME DRY** keeps systems biologically active through periods when activity ordinarily would have been stopped.

### PERFORMANCE BENEFITS

- High enzyme production
- Enhanced aerobic and anaerobic performance
- Exceptional germination and out growth provides prolonged bacteria activity in a variety of environments
- Effective in a variety of applications
- Easy to apply bags, blocks and powder, which eliminate the need for expensive feed equipment

### RECOMMENDED DOSAGE SCHEDULE

| Area         | Product in Water         | Frequency  |
|--------------|--------------------------|------------|
| Septic tanks | 1/2 cup/500 gal capacity | First week |
| Lagoons      | 1/4 lb/500 gal capacity  | Weekly     |

#### Municipal

- (1) Activated sludge 20-50 lbs/mgd daily first week
- (2) Trickling filter 25 lbs/mgd daily maintenance
- (3) Anaerobic digester 1 lb/1,000 twice weekly (approximately 7,500 gal)

### PHYSICAL PROPERTIES

|                        |            |
|------------------------|------------|
| Appearance.....        | Tan Powder |
| Odor .....             | Soil Smell |
| pH.....                | 6.8-7.2    |
| Specific Gravity ..... | 0.5-0.6    |

### Seller Warranty

CH<sub>2</sub>O brand test reagent refills are available through your sales representative at no charge. Customers are required to confirm product compatibility via a control test for their specific application. CH<sub>2</sub>O recommends that you perform regular/daily testing to control chemical levels and cycles of concentration within established limits. Additional tests may be performed at your request. Test reports reflect conditions at the point when the analysis was performed. Results will change over time and with varying operating conditions.

Seller warrants that this product conforms to its chemical description and is reasonably fit for the purpose referred to in the product data sheet. Buyer is responsible to ensure that products and product dosages are appropriate for Buyer's particular application. Seller makes no other warranty or representation of any kind, express or implied, concerning the product, including NO IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS OF THE GOODS FOR ANY OTHER PARTICULAR PURPOSE. No such warranties shall be implied by law and no agent of seller is authorized to alter this warranty in any way except in writing with a specific reference to this warranty. The exclusive remedy against seller shall be a claim for damages not to exceed the purchase price of the product, without regard to whether such a claim is based upon breach of warranty or tort. Jurisdiction for any issues arising from or relating to this product shall be in the courts of the State of Washington and the venue shall be Thurston County. Any controversy or claim arising out of or relating to this contract, or breach thereof, shall be settled by arbitration in accordance with the rules and procedures as stated in RCW 7.06 and shall be binding upon both parties without right to appeal, and judgment upon the award rendered by the Arbitrator(s) may be entered in any court having jurisdiction thereof.

Applies to all products sold by CH<sub>2</sub>O, Inc., and is hereby communicated to all of its customers as a condition of sale. Use of CH<sub>2</sub>O products is subject to the Standard Terms and Conditions as listed on CH<sub>2</sub>O, Inc.'s website at: [www.ch2o.com](http://www.ch2o.com).



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