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## WASTE AND SLUDGE REDUCER

### Active Ingredients

Propriety blend of naturally occurring microbes specially formulated for the control of accumulated organic waste and sludge in ponds, lakes and aquaculture facilities.

### Description

Waste and Sludge Reducer reduces nutrient levels through accelerated microbial decomposition of organic waste on the pond bottom. The Waste and Sludge Reducer reduces BOD and improves water quality by reducing organic solids and suspended organic particles in the pond water column. Waste and Sludge Reducer can be used in conjunction with Pond Clarifier for ponds with problems of excess filamentous and planktonic algae. Waste and Sludge Reducer eliminates hydrogen sulphide odours and improves water quality in a natural way.

### Advantages

- Reduces sludge by up to 60%
- Improves water quality and clarity
- Easy application
- No mixing or measuring
- No applicator license or permit required
- Non-hazardous to fish, animals and plants
- No hazardous chemicals

## Suggested Application

### **Initial Dosage:**

- 6 water-soluble packets (approx 1.5Kg) per surface acre.
- 12 wsp per surface acre for severely degraded or highly eutrophic ponds.
- For severely degraded ponds, it may require up to 2-3 initial dosage applications.

### **Maintenance Dosage:**

- 4 wsp (approx 1Kg) per surface acre every two weeks until the desired results are achieved.
- Apply product evenly around area of pond including centre, using a boat for larger areas. Ensure adequate aeration.

### **For optimal results the water should meet the following conditions:**

	Optimum	Minimum	Maximum
Influent pH	7.0	4.5	9.5
Dissolved Oxygen, ppm	2.0+	1.0+	-
Temperature, ( C )	28	10	40
Alkalinity (Calcium hardness)		-	>100mg/l -

Caution: Oxygen demand may be temporarily elevated during the initial use of this product. Marginal ponds with low oxygen conditions should be monitored or aerated if oxygen depletion is expected.

### **Adjustment for cold water applications**

When water temperatures are below 12C, use the following corrected dosage recommendations:

Temperature Range	Multiply Dosage By
12 (55F) or above	1.0
10(50F)-12(55F)	1.11
8 (47F)-10(55F)	1.25
6 (43F)-8 (47F)	1.43
4 (40F)-6 (43F)	1.53

### Caution

- In Eyes: Moderately irritating to eyes. Eye protection should be worn while working with Waste and Sludge Reducer.
- On Skin: Dermal exposure may cause mild irritation of skin. Avoid contact.
- Always consult the material safety data sheet for specific instructions.
- Wash hands thoroughly after using.
- It is the responsibility of the customer to take appropriate precautions.