

# Municipal Lagoons

## Specifications

Form: Free-flowing granular powder  
Color: Brown  
Nutrient Content: Biological nutrients & stimulants  
Plate Count: 3 billion per gram

## Packaging

4, 8 & 16 oz. water soluble packages protected by a resealable overwrap. 25 lbs. per plastic pail • Bulk 25 lbs., 50 lbs. and 100 lbs.

## Storage

DO NOT FREEZE! Store in a cool dry location. Do not inhale dusts, avoid excessive skin contact. SEE M.S.D.S.

## Application Instructions

### Lagoon Systems

• For anaerobic and facultative lagoon systems, the application rate is based on the lagoon surface area:

Day 1 through Day 5 20 lbs. per acre per day  
Day 6+ 1 lbs. per acre per week

• For lagoons in cold climates, commence program when the water temperature is a least 50°F



## Case History 735

This site in Northern Ohio has an 18 acre lake that was plugged with weeds. Every year they added weed killer to the lake and then seed the lake with 150 fish (Amers) to eat the dead weeds, achieving minimal results. At the beginning of 1997 they added 200 lbs. of our 930 in addition to the Amers and aeration. On 8/1/97 they noticed a 75% reduction in weeds.

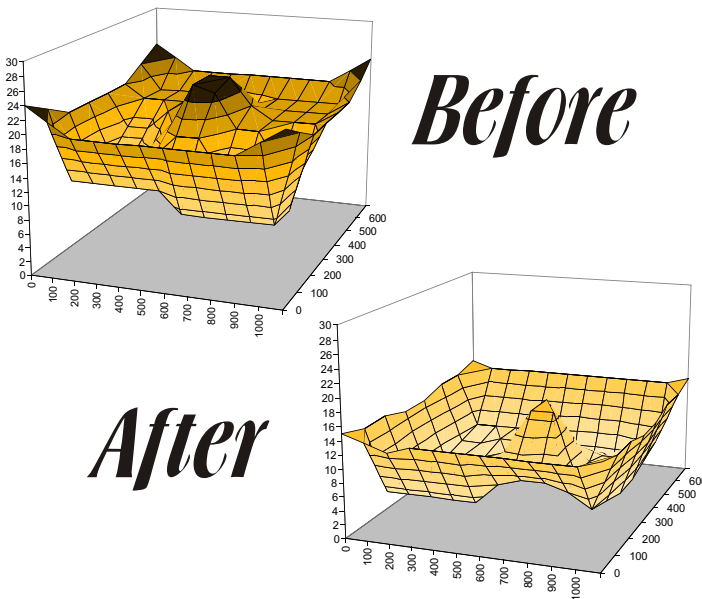
This program has been continued for the last two years with significant improvement in water and fish quality.



## Case History 737

930 products were added from the survey boat to the lagoon. The addition of these three products supplied the synergy to stimulate bacterial activity on the lagoon floor and digest solids. Completed on November 7th 1997 with the measurement of final sludge depths, evaluation of bacterial activity and other higher life forms. The second lagoon was markedly improved compared to earlier visits. The bottom of the lagoon was clearly visible from the boat, water clarity was such that a leaf on the floor of the lagoon could be seen.

*Algae, Duckweed & Sludge Reduction*



# Municipal Lagoons

## Description

930 is a biological product specifically formulated to be effective in enhancing municipal waste water biology in lagoons. As well as microorganisms, 930 contains a micronutrient blend specially selected for sludge reduction. This micronutrient blend provides a complete formulation for maximum biological activity and reacts with municipal waste to produce biological enhancers.

When used as directed 930 is safe and is harmless to people, clothing and the environment and is completely biodegradable.

Through extensive research activities, 930 has been developed to involve 14 strains of bacteria which have been selected for their ability to perform under both aerobic and anaerobic conditions, and to biodegrade organic material comprised of proteins, fats, carbohydrates and select hydrocarbons.

To assure rapid establishment in the biomass, 930 is produced and blended with select biological nutrients and stimulants. 930 is produced under an ISO9001:2000 certificated quality system.

## Effect

930, with its aerobic and facultative anaerobic microorganisms establishes and maintains a biomass which by providing greater resistance to the effects of organic inhibitors present in municipal waste waters, is able to perform more effectively than the naturally occurring biomass. 930 ensures that the natural mechanism for the selection of the biomass population is presented with a range of selected microorganisms. These aerobic and facultative anaerobic bacteria have been taken from their natural environment and then adapted to give optimum performance.

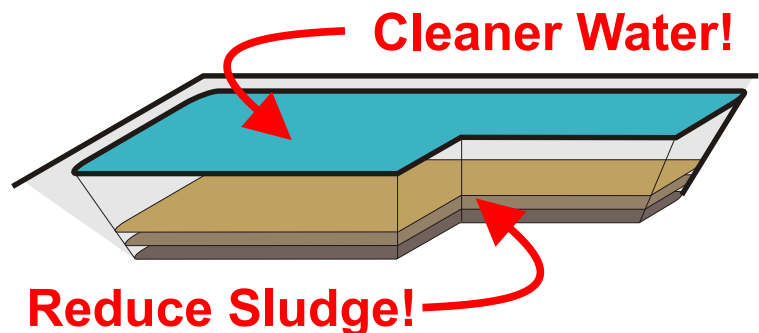
930 is approved for use under for the classification of drain cleaners by the Canadian Food Inspection Agency.

## Benefits of 930:

- Reduce Sludge
- Improve Effluent
- Reduce Odors
- Fast Start-up

## Sludge Reduction Programs

- Reduce sludge build-up
- Control grease, foaming, or scum formation
- Improve settling
- Reduce odors
- Produce an excellent effluent
- Defer dredging costs
- Improves cold weather operation



## Algae & Duckweed Control

- Ensure rapid biological start-up with suppression of undesirable algae and duckweed.
- Provide competitive organisms to reduce algae and duckweed activity.