



BCP80

MANURE TREATMENT

BCP80 IS PROVEN EFFECTIVE IN HELPING TO REDUCE ODOURS AND REDUCING SLUDGE ACCUMULATIONS

BCP80:

- WATER-SOLUBLE PACKAGING AVOIDS HANDLING AND MEASURING;
- ISO9002 CERTIFIED FOR SUPERIOR QUALITY ASSURANCE.

BIOAUGMENTATION WITH BCP80 CAN:

- Ensure rapid biological start-up;
- Enhance and accelerate the biological digestion of animal wastes;
- Reduce costs of manure pit maintenance and drainage;
- Break up solids and decrease organic content;
- Lower odours;
- Increase fertilizer value.

PRODUCT TEST

Introduction – With the large number of manure storage lagoons that are or being planned, there is naturally an interest by producers in the use of biological materials that are purported to reduce or eliminate the odors associated with these lagoons. Under the appropriate environmental and management conditions, biologicals may be effective for reducing odor intensity and/or improving odor quality.

Treatment – A slurry lagoon in which 30% of the aqueous portion consisted of rainwater was chosen for this study. When rainwater is present in this concentration in a lagoon, separation occurs relatively quickly. The purpose of this experiment was to demonstrate the use of BCP80 and trace amounts of STIMULUS and its effect on manure and odor reduction.

Results – When five kilograms of BCP80 and 20 liters of STIMULUS were deposited in the lagoon, dissolution of surface scum and digestion of sludge were observed.

Seven days after the addition of the microbes to the lagoon, a portion of the surface scum had dissolved. Within fourteen days, only 10% of the scum remained and shortly thereafter the remainder disappeared with no subsequent reoccurrence.

The digestion of sludge was also surveyed. It was confirmed five months later that no sedimentation of sludge in the lagoon had occurred.

The addition of BCP80 and STIMULUS to the manure lagoon also led to a decrease in odour. Within two days of the addition there was a marked reduction in odour, and one week later the odour had disappeared.

SPECIFICATIONS

Description	Tan color, free-flowing granular powder
Packaging	250g water-soluble packages; 10kg plastic pail
Stability	Max. loss of 1 log/yr
pH	6.0 - 8.5
Bulk Density	0.5 - 0.61g/cm ³
Moisture Content	15%
Nutrient Content	Biological nutrients and stimulants
Bacteria Count	5 billion per gram
Storage and Handling	DO NOT FREEZE! Store in a cool dry location. Do not inhale dust. Avoid excessive skin contact. See MSDS.

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APPLICATION INSTRUCTIONS

BCP80 is packaged in water-soluble pouches for direct addition to lagoons or manure pits at the following rates:

Add 10kg (25 lb) per month per 500 cows or 2,000 pigs.

Application rates and locations depend on manure dimensions and current biological conditions.

Use in accordance with all Federal and State regulations. Results will depend upon site and climate conditions. Avoid extreme pH and temperature conditions.

Lagoon Systems –

- **Aerated systems** – application rate is based on the average flow rate to the lagoon.
- **Facultative systems** – application rate is based on the lagoon surface area:

Day 1-5	20 kg/10,000m ² /day
Day 6+	2 kg/10,000m ² /week

- **Anaerobic systems** – Application rate is based on the total volume of the anaerobic lagoon:

<200,000 L	1 kg – 2x/week/10,000L
>200,000 L	0.5 kg – 1x/day/10,000L

For further information about application, contact your BIONETIX technical representative.