



**Consume<sup>®</sup>**  
**FWD**  
**Natures Way**

## powdered farm waste digester

Consume<sup>®</sup> FWD Farm Waste Digester is a concentrated blend of highly specialized natural digesters formulated to eliminate foul odors, reduce build up of solids and gases, increase storage pit capacity, make pumping easier and faster, and increase fertilizer value.



Providing Quality Maintenance and Chemical Specialty Solutions with Unparalleled Customer Service



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## INTRODUCTION TO AGRICULTURAL WASTE COLLECTION AND LAGOON SYSTEMS:

As our cities continue to expand and the farm industry moves to consolidate operations, the issues of animal waste storage, treatment, and odor control are becoming community problems. The systems that the majority of farm operations use to treat this waste are quite simple in design. The basic concept is to incorporate a system of collection tanks and a holding tank or pond connected by a pump to flush the system at periodic intervals. Although these systems have high microbial populations due to the natural inhabitants of the animals' intestines, the degradation ability of this population is limited. Because of this limited ability, farm operations combat two primary problems, odor and the build-up of solid materials in the collection system.

### CONTROLS ODORS:

A leading cause of odors in animal waste systems is the breakdown of urea, a major component of urine, into ammonia by the intestinal bacteria. Without a continued process to remove this ammonia, the waste system's pH will rise and ammonia is released (odor). Both laboratory and field testing show that the digesters in Consume FWD have ability to degrade urea into carbon dioxide and ammonia, and also to utilize the ammonia as a sole source of nitrogen for digester growth.

### REDUCES SOLIDS BUILD-UP:

Another problem associated with farm waste, is the build-up of solid material in the collection system. A heavy solids load in the system can interfere with pumping of the collection tanks, cause inconsistent fertilizer value, or require costly clean-out. Through the active production of such enzymes as cellulase and protease,

Consume FWD will substantially reduce lagoon solids, helping maintain collection tank material in semi-liquid form to facilitate flushing and clean-out.

### IMPROVES BIOACTIVITY:

Every farm waste system has a natural bacterial population, but this population is not necessarily made up of the best-suited or most efficient bacteria for the job. Consume FWD contains a blend of specific and specialized digesters, which increase and enhance the overall degradation activity in the system. As a consequence, overall system performance is greatly improved.

### ENVIRONMENTALLY PREFERABLE AND USER FRIENDLY:

Non-toxic, non-acid, non-alkaline. Consume FWD contains non-pathogenic, enzyme producing bacteria to provide a natural cleaning process. Certified salmonella free. Consume FWD is environmentally preferable and user friendly.

### DIRECTIONS FOR USE:

Some individuals may be sensitive to ingredients in this product. Before use, read product label and MSD sheet. For optimum results, pre-mix powder in warm water for 30-60 minutes.

### Hog, cattle and chicken manure pits:

- Use 3 to 5 lbs. per 10,000 gallons of material in pit, or 1 lb. of product per 100 animals. A 6 to 12 inch water cap should be maintained on top of solids for product to work efficiently.
- Treat pit weekly for first 3 to 4 weeks. Maintain pit with weekly additions based on solids build-up and odors, generally 1 to 3 lbs. a week.
- Larger or more frequent doses are needed if excess feed, hay, bedding materials, disinfectants or detergents enter the pit.
- Pits with heavy solids build-up will require doubling the treatment amount for first 6-8 weeks.

### Feed lots:

Use 1-3 lbs. per 100 animals. Make a slurry with warm water to activate the bacteria and enzymes. Remove manure. Sprinkle slurry into feed lot.

### Compost heaps:

Add 1 lb. per 1,000 - 2,000 lbs. of manure, vegetation or leaves to be composted. Wet compost thoroughly and sprinkle with slurry of digestant. Turn pile every few weeks and repeat treatment for fastest results.

### Pit toilets:

Add 1 lb. per 250 gallons capacity for first month. Maintain with 1-2 lbs. per month.

**Be sure to read all Directions, Precautionary and First Aid Statements on product labels before use of this or any Spartan product. If questions remain, consult your employer or a physician. Material Safety Data Sheets for all Spartan products are available from your authorized Spartan distributor or by visiting [www.spartanchemical.com](http://www.spartanchemical.com).**

### SPECIFICATION DATA:

pH (1.0% Solution) – 6.3-7.5

Density – 6.4 lbs/gal.

Flash Point – None

Stability:

- a. Shelf @ 24°C/75°F – 1 year
- b. Accelerated @ 49°C/120°F – N/A
- c. Freeze/Thaw Cycle – N/A

Biodegradable

Phosphate Free



Distributed by:

## PACKAGING

310605

Fifty 1/2 lb. packets per pail



Label copy is provided in English and Spanish.

**GUARANTEE:** Spartan's modern manufacturing and laboratory control insure uniform quality. If dissatisfied with performance of product, any unused portion may be returned for credit within one year of the date of manufacture. Use product as directed and read all precautionary statements.

For institutional and industrial use only.

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