

# TECHNICAL

## Data Sheet



environmental products for a greener planet

### Pit Puck

#### Key Benefits

- Liquefies Manure Solids:** Accelerates biological breakdown of manure solids and sludge.
- Improves Agitation and Pumping:** Produces a more uniform slurry for easier agitation, improved flow, and faster pump-out.
- Reduces Odors and Ammonia:** Supports biological pathways that reduce odor intensity and help limit ammonia generation.
- Enhances Nutrient Uniformity:** Improves nitrogen retention and nutrient consistency in stored manure.
- Reduces Plugging and Equipment Issues:** Minimizes solids accumulation that contributes to pump, line, and injector plugging.
- Simple Drop-In Application:** Toss-in tablets dissolve quickly and sink, delivering bacteria directly into the manure without mixing.

#### Applications

- Dairy Operations
- Swine Facilities
- Feedlots and Mixed Livestock
- Manure Storage Pits
- Waste Lagoons

#### Specifications

- Concentration = 10 billion CFU/g
- Weight = 5 oz (140 grams)
- Diameter = 3 in (7.6 cm)
- Height = 1 in (2.5 cm)



#### Product Description

**Pit Puck** is a high-CFU, drop-in microbial tablet for livestock manure pits and waste lagoons operating under mixed aerobic, facultative, and low-oxygen conditions. The formulation delivers concentrated beneficial bacteria selected for high-organic manure environments where solids accumulation, crusting, and poor flow limit system performance. The tablet dissolves rapidly and sinks, distributing microbes throughout the manure mass.

The bacteria produce enzymes that break down fibers, fats, proteins, and other organic solids, reducing sludge buildup and improving slurry uniformity. This biological digestion improves agitation and pumping efficiency, minimizes plugging, and supports more stable nutrient conditions during storage.

Pit Puck requires no pre-mixing or specialized equipment. The simple drop-in tablet format provides consistent dosing, low labor input, and reliable biological treatment for routine manure pit and lagoon management.

#### Packaging Options

- Jars of 7 tabs
- Pails of 50 or 100 tabs

#### Shelf Life & Storage

- 2 years at room temperature
- 3 years refrigerated
- Store in a cool, dry location away from direct sunlight.
- Reseal container tightly after each use.

## Application Guidelines

	Range	Optimal
<b>pH Range</b>	5.0 – 9.5	6.0 – 8.0
<b>Temperature</b>	45°F – 120°F (7°C – 49°C)	59°F – 104°F (15°C – 40°C)

## Application Rates

### Initial Treatment (Startup Dose)

Apply **4 Pit Pucks** per the following livestock equivalents to establish active microbial digestion:

- 100 cows
- 200 heifers or dry cows
- 400 feeder calves
- 100 sows
- 300 finisher hogs

This initial application jump-starts biological activity, accelerates solids digestion, and begins liquefying accumulated manure solids and sludge.

### Ongoing Maintenance Treatment

Apply **1 Pit Puck per week** per the following livestock equivalents to maintain consistent digestion and manure handling performance:

- 100 cows
- 200 heifers or dry cows
- 400 feeder calves
- 100 sows
- 300 finisher hogs

Weekly maintenance dosing supports continued solids reduction, improved agitation and pumping, odor control, and nutrient stability.

## Application Directions

- Toss Pit Puck directly into the manure pit or lagoon treatment area
- Tablets dissolve within minutes and sink to deliver bacteria into the manure mass
- No mixing, dilution, or activation required

## Additional Notes

- Designed for manure pits and waste lagoons operating under mixed aerobic, facultative, and low-oxygen conditions
- Suitable for dairy, swine, and mixed livestock operations

**Disclaimer:** Results may vary depending on environmental conditions, application rates, and management practices. The manufacturer makes no guarantee of specific results. Seller's liability is limited to replacement of product or refund of purchase price. Manufacturer is not responsible for misuse, mishandling, or application under adverse conditions beyond its control. This product is not registered for pesticidal use with the U.S. Environmental Protection Agency. It is intended as a microbial inoculant only. Keep out of reach of children.

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