

PIT POWER

Pit Power® is a biologically friendly agent designed to promote biological activity in manure pits. Pit Power® can also be used as a compost activator. Pit Power® will help to increase the biological activity in manure pits and in compost material. Pit Power® will help to reduce solids and reduce odors. **Pit Power® MUST BE STORED in a COOL, DARK PLACE.**

Directions for use: First determine your pit capacity. Length x Width x Depth x 7.5 = gallons of manure capacity. Example: 40' x 200' = 8000 x 6' = 48,000 x 7.5 = 360,000 gallons. Round pits: Radius squared x 3.14 x depth x 7.5 = gallons of manure capacity. Example: 80' diameter pit x 8' deep, 40 x 40 = 1600 x 3.14 = 5024 x 8 = 40192 x 7.5 = 301,440 gallons.

Initial Treatment: To start a pit on Pit Power® for the first time you should add an initial treatment. To determine this: .00071 x gallons of pit capacity = ounces of Pit Power® for initial treatment. Example: 40' x 200' = 8000 x 6' = 48,000 x 7.5 = 360,000 x .00071 = 256 ounces or 2 gallons of Pit Power®.

Maintenance treatments: A once per month application for maintenance is optimum; however, some producers have maintained good results by a single application. To use the single application method after the pit is pumped and some material has gone back into the pit add enough Pit Power® for the full volume of the pit. For example a hog manure pit with a full volume of 360,000 gallons, add 3.6 gallons of Pit Power®.

USE RATE CHART

Hog Manure	Cattle Manure	Dairy Manure
1 gal. Pit Power per 100,000	1 gal. Pit Power per 75,000	1 gal. Pit Power per 50,000
Add daily, weekly, or monthly as volume increases	Add daily, weekly, or monthly as volume increases	Add daily, weekly, or monthly as volume increases

Some conditions may warrant the use of a water treatment or additional additives. **DO NOT MIX PIT POWER® WITH CHLORINATED WATER.** Chlorinated water will damage the biological effect. In a dairy environment, ask about alternatives to copper sulfate for the footbath for the cows.

Manufacturer: **CROP RESOURCES, LLC**
Dorsey, IL 62021-1111
618-377-6237 or 888-377-6237

Non Hazardous

For Longest Storage - Keep in a cool dark place

Container: 1 U.S. Gallon – 8.4 lbs. 3.785 L – 3.81 kg

The Purchaser shall be solely responsible for determining the adequacy of the product for any and all uses to which the purchaser shall apply product, and the application of the product by purchaser shall not be subject to any implied warranty of fitness for that purpose. The manufacturer makes no express warranties of any kind with respect to this product.

Product of the U.S.A.

PIT/MANURE Uses

PIT POWER is bacteria and bacteria feeders designed to promote the break down of manure in manure pits. PIT POWER helps to liquefy the pit for easier removal. Many times the manure in the pit does not break down because disinfectants, antibiotics, and/or sterilizing agents that are washed into the pit, and are killing the bacteria needed to break down the manure naturally. PIT POWER was enlisted some 20 years ago to restore the life in the various manures. This was done so that the manure would again be a useful resource.

PIT POWER is non-specific live bacteria that work very well to liquefy manure pits and septic tanks.

Our suggestion is to add one gallon of PIT POWER per 10,000 to 50,000 gallons of pit volume and let the bacteria work for you. Temperature has a great effect on the activity of the PIT POWER'S work. Our recommendations are based on temperatures of 60-70 degrees F. Temperatures below that may require more of the product initially to get optimum results. After sufficient activity has been established, additional PIT POWER may or may not be required. Some pits may require aeration and/or agitation to get the desired results. If only biological wastes are introduced the established bacteria should be self-propagating until the pits are emptied. However, the inclusion of disinfectants, antibiotics, and/or sterilizing agents will deter the effectiveness of PIT POWER and require more of the product to sustain its action.

Composting Operations; PIT POWER can be added to the bedding several times during the season and will be working throughout to the time of spreading. In a confinement operation, saw dust, applied in the fall, about 18 to 24 inches deep on the loafing barn floor, and mixed with a sufficient quantity of PIT POWER, has produced clean animals and a nearly unrecognizable floor covering by late spring. This floor covering appears to be near complete composting of the urine, manure, and saw dust. It is then a desirable soil supplement.

Manure piles can also benefit from applications of PIT POWER. Small amounts applied weekly or monthly may produce a lessening of the size and odor of that pile of that useful resource.

Septic Tank use of PIT POWER

Septic tanks can fail because of several reasons. The main culprits are too much grease (maybe from the kitchen drain), too much detergent (from the laundry), and /or more than enough "treatment" in the city water, and the greatest likelihood is a combination of two or more of the three.

Septic tanks are a live digestive system, similar to a soil system.

Tanks that have totally failed have to be pumped. Hopefully the drain field is not clogged, however some drain fields can also be revived.

If the septic has been killed and is full or nearly full of solids, the only solution to that problem is to have it pumped and restart the tank with PIT POWER. One cupful to one pint will be sufficient depending on the size of the tank.

Should the problem be too much grease causing the septic to be sealed from the air, start removing the grease by using one cupful of Basic-H or similar Bio-friendly soap. On the second day and daily for a week add one cupful of PIT POWER. Usually this can be flushed down the stool. One might wish to be slow and easy when pouring the soap in and also be prepared to do a gentle flush by pouring at least 5 gallon of water slowly behind the soap. If one pours too rapidly one might find too many soapsuds.

Slowness because of mild greases and/or detergents can be treated with milder solutions. Try ¼ cup of Basic-H and one cupful of PIT POWER per day for about a week.

The recommendation of Basic-H type of product is based on the fact that after the grease cutting job has been accomplished this type of product again degrades into a bacteria feeder. That then aids the process further and doesn't clog the drain field. Others may help remove the grease then add to the problem.

If the septic tank is just slow, with no apparent grease or detergent problem, then one pint of PIT POWER alone will most likely put the tank back in service. This is relative cheap insurance to starting a new system or restarting a cleaned out tank.

Partially filled drain fields usually take some time to get back to normal; treatment can begin with locating the outlet of the septic tank or somewhere very near there. Start there and irrigate the field with ½ cup Basic-H mixed into 50 to 100 gallons of water (it might not take it very fast so be prepared to go slow) on the first day. Day number two, mix ½ cup of PIT POWER in 20 gallons of water, and send that through the field drain, do this every day or so for a week. At the end of that period check for an increased flow, this treatment should keep improving the flow for some time. This treatment should remedy most problems except roots.

We are looking forward to being able to serve you. Our shipments usually leave here by way of UPS. To order PIT POWER, call the number below.

CROP RESOURCES, LLC

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Dorsey, IL 62021-1111

USA

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