

# BioBuild® Manure MGR

PCT | Sunrise® BioBuild® Manure MGR is (1). comprised of over 20 strains of microorganisms that thrive by degrading livestock manure in waste pits and lagoons. (2). It is 100% natural and safe to use. (3). All of these organisms are naturally occurring but are concentrated in the Manure MGR to improve the breakdown of solids in manure and capture gases that lead to unpleasant odors.

## How It Works

These beneficial organisms produce natural enzymes that digest polysaccharides into absorptive monosaccharides. The fungi, bacteria, and actinomycetes will produce enzymes that breakdown large complex molecules (cellulose and starches) into smaller molecules (sugars).

## Usage Rates

- ↳ Initial Shock: add one gallon per 50,000 gallons of manure to initially shock the pit with microorganisms
- ↳ Maintenance: add one gallon per month to maintain the microorganism population
  - Should crusting occur, maintenance rate should be increased to one gallon twice per month
- ↳ Do not apply three (3) weeks pre-disinfection or post-disinfection.

## Manure MGR Benefits

- ↳ Degrades solids and sludge
  - Easier pumping
  - Reduces pit pump outs and lagoon dredging
- ↳ Minimizes hydrogen sulfide production
  - Reduces odors
- ↳ Reduces crusting - less flies
- ↳ Safe, non-toxic, 100% natural
- ↳ Effective and easy to use

