

COW MANURE AS CHOICE FOR COW BEDDING

- 1 It is commonly understood that good bedding for cows will directly affect the udder health and milk quality. Good bedding choice will help to maintain the cleanliness of the cow, inhibit the growth of microbes and restrict compaction and lessen chapping of teats. Comfortable bedding will encourage resting, minimize injury and fatigue and accommodate reasonable of heat loss.
- 2 There are 2 different types of bedding, organic and inorganic. The following are the organic type of bedding:
 - A Compost
 - B Dry manure
 - C Geotextile Mattress
 - D Paper
 - E Sand
 - F Sawdust and wood shaving
 - G Straw
- 3 To form good bedding, the following is the criteria:
 - A Dry
 - B High moisture absorption
 - C Inert (to microbe's growth)
 - D Cost Effective
 - E Comfort to cow
 - F Easy to manage
- 4 The manure compost, produced by Strata Biogreen, processed will have the following criteria which make it the favorable choice as the bedding materials for cows.

A Dry

The Strata Biogreen Process had a built in vacuum drying system which runs for the last 2 hrs of the production run. This will help to reduce the moisture of compost to drop below 10%.

B Strata Biogreen Thermophilic Microbes

Strata Biogreen Microbes is a blend using volcanic type thermophilic bacteria that allow the fermentation process to run at 95°C. During this process, the manure composting will be sterilized by killing pathogens, such as Streptococci, E Coli, and Klebsiella spp. Furthermore, with the existence of these microbes, the population growth of pathogens will be minimized when this compost is being applied as a bedding for the cows.

C Cost Effective

Manure, produce by the cows, will be 100% recycled and can be used as a bedding of the cows, thus reducing the cost of purchasing cow bed materials and the disposal of cow manure. Furthermore, excessive manure compost could sell directly to agriculture farmers to generate additional revenue.

D Easy Management

As the compost and the cow manure are similar in nature, no physical segregation is needed. The used cow bed can be processed directly using the Strata Biogreen Machine.

References

- 1 New York State Cattle Health Assurance Program
Mastitis Module Fact Sheet
Bedding Material and Udder Health
- 2 The Center For Agriculture, Food and The Environment
UMAS Extension
Beading Option for Dairy Cow
- 3 Penn State Extension
Bedding Option for Dairy Cattle