

Beef and Dairy manure Odor Composting

Introduction

you can't use the waste just as it is due to the high amount of ammonia that could damage your culture. So, cow dung must go through a composting process where bacteria break down the organic matter to turn it into fertilizer.

By definition, compost is a group of organic residues or a mixture of organic residues and soil that have been piled, moistened and allowed to undergo aerobic biological decomposition resulting in a dark or black carbon-rich relatively stable product (humus). Composting is the controlled, active management of making compost, which includes identifying suitable composting sites, using appropriate amendments to optimize the carbon: nitrogen (C:N) ratio, controlling leachate, determining the length of curing and what constitutes finished compost in addition to keeping records including temperature, turning frequency and final utilization of the compost. When temperature, moisture and C:N are managed under aerobic conditions, odors are reduced, manure is stabilized and nutrients are mineralized. Ammonia release and putrid smells are the most common odor problems when composting. These problems can be addressed by adding carbon and turning the pile.



Beef and Dairy Composting

- **VALENS Product** Treatment is a powerful blend of natural biocatalysts that works effectively in compost production. This product is recommended for composting of all organic materials and operations.

How Will I Know Sept-X is Working?

- **VALENS Product** Treatment provides visual, smell, and laboratory evidence of a mature finished compost at a much faster rate.

Benefits

- Reduces odor rapidly
- Decreases composting time
- Increases throughput and reduces operational costs
- Improves quality and health of compost
- Increases nutrient availability in final product

Dosing Recommendations

- The use of **VALENS Product** in composting operations is applied as the compost pile is being constructed and may be applied each time the compost pile is mixed or when the temperature of the pile falls below 55°C.
- Add 20g to 40g of **VALENS Product** into a minimum of 10L of water to cover the surface area of 1 tone of compost pile. The amount of water added should not cause the moisture of the pile to exceed 60%. Wait for a minimum of 30 minutes to a maximum of 12 hours before applying the mixture to the compost pile. Spray the mixture onto the pile while constructing or mixing the pile.
- The recommended amount of **VALENS Product** , as directed above is for each tone of dairy compost. However, beef and dairy operations differ greatly in the types of manure components due to feeding programs, waste handling, and other management practices.

Contact

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