Improving Manure Management practices



Manure is ONLY a very valuable source of soil and plant nutrients if WELL managed !



NEADAP PROJECT: Improving manure management Practices: cause of nutrient losses

- **1. Poor storage**
- Open • manure heaps or piles

Solution: Covering manure heaps or piles



Lead to losses of valuable nutrients

2. Poor Handling of liquid manure & **Bioslurry**

• Tedious and time consuming Solution: Drying and Composting



3. Loss of urine: Urine is a valuable source of N and K but in most cases not collected

Solution: Separate collection of urine (liquid) and Faeces (Solid) could reduce losses

Proposed Improved manure management Practices: NEADAP is demonstrating and evaluating:

1. Use of covers for manure heaps



Composting of Bio-Slurry (Pit composting)

- 2. Composting of manure slurry
- Composting Aerobic natural decomposition of organic matter





Composting benefits:

- Reduces nutrient losses
- Reduces odor & volume
- Saving nutrients of other vegetative materials
- End product stable and easy to handle and transport
- End product of aerobic composting is hygienic: weed seeds and pathogens are killed
- End product is a marketable product

4. Partial separation of manure liquids and solids with closed storage for Liquids



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