

Instructions

Waste Management System (Inventory Sheet)

NE-ENG-82

Instructions for use of NE-ENG-82

This is the first form that should be filled out with input from the producer by the field office. This form can also be used for determining proper utilization from livestock waste collection systems that are already in place. Unless otherwise noted, all reference tables are in the Agricultural Waste Management Field Handbook.

1. When there are multiple types of animals (as feeder pigs, gestating sows, nursery pigs, etc.) in a facility, use a separate NE-ENG-82 for items 1-15 on each type of animal. Then combine excreted waste products and yearly nutrient value on a separate form and complete the back side.
2. Per form.
3. Per form.
4. $(\text{Number of animals} \times \text{average size}) / 1,000 =$
5. Average number of acres available to use the animal waste (doesn't have to be owned by the producer).
6. The yield should be an average yield, not top yield.
7. Waste volume per animal unit \times animal unit = daily excretion.
8. Waste weight per animal unit \times animal unit = daily excretion.
9. Narrative explanation.
10. Narrative explanation.
11. Narrative explanation.
12. Daily animal units \times (3).
13. $\text{Lb. of N per year} = (12) \times (\text{excreted N per day}) \times (\% \text{ of total N retained after storage}) \times (\% \text{ of total N available to the soil per application method}).$
14. $\text{Lb. Of P per year} = (12) \times (\text{excreted P per day}) \times (\% \text{ of total P retained in storage})$
15. $\text{LB. of K per year} = (12) \times (\text{K excreted per animal}) \times (\% \text{ of total K retained in storage}).$
16. How much N, P, and K will the crops shown in (6) need to achieve the yields shown in (6)? See page 6-18 of the AWMFH or appropriate NebGuide on nutrient needs of crops. Nutrient requirements can be computed by the UNL program (soil test). N credits such as legumes or irrigation water may be subtracted from needs.
17. The minimum number of acres of crop needed to utilize the animal waste resource. The nutrient with the largest number of acres will dictate acres needed. It will be rare cases where the other two needs don't need to be supplemented.
18. For precipitation runoff.
19. Same as (18) above.
- 18, 19, 20 21, 22, 23 Information about proposed facility application equipment that will be used once the facility is in place. It is important to make a notation on whether application equipment and methods are adequate for the amount and type of waste generated.

24. This information should be obtained from the person applying the solids.
25. This information should be obtained from the person applying the liquid.

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