



Waste Utilization Guidelines

- ❖ All manure stockpiled on site should be stored under permanent or temporary cover to be protected from rainfall. Uncovered stacks should not be located in areas where runoff is likely to reach perennial or intermittent streams, lakes, or other sensitive areas.
- ❖ Manure or effluent will not be applied within 150 feet of a private water well, and not within 500 feet of a public water well.
- ❖ Manure or effluent will not be applied within 100 feet of ponds, lakes, perennial or intermittent streams, wetlands, sinkholes, etc. (as designated on NRCS Soil Survey or USGS Topo Map).
- ❖ Manure or effluent will not be applied to frequently flood areas.
- ❖ Manure or effluent will not be applied to slopes greater than 8 percent, unless application is part of an erosion control plan.
- ❖ A laboratory soil analysis of the application area will be completed before initial manure application and at least every other year if waste is applied annually there after. Manure should be submitted for testing before application. Records of soil and manure tests should be maintained for 5 years.
- ❖ Trucks hauling manure more than one mile down state, federal, or other busy highways should be covered.
- ❖ Manure or effluent should not be applied to frozen, snow covered, or saturated soils, and it should not be applied near sensitive areas (water bodies) if heavy rains are forecast to occur soon after application.
- ❖ Neighbors should be informed prior to manure application. Explain that there may be an odor for several days, and that the odor is not harmful.
- ❖ Manure or effluent should not be applied immediately before weekends or holidays if nearby outdoor activities are planned.
- ❖ Records of where, when, how much, and to what crop manure or effluent is applied should be maintained for 5 years.
- ❖ See Table 1 or other attachments for additional application guidance.

Maximum Annual Phosphorus Applications

TABLE 1. ANNUAL PHOSPHORUS APPLICATION RATES FOR NUTRIENT NON-IMPAIRED WATER BODY SEGMENTS
(based on most recent soil test)

Soil Test Rating *	Commercial Fertilizer	Animal Wastes
VL, L, M	Soil Test Recommendation	Apply at Nitrogen Rate
H	Soil Test Recommendation***	≤ 2.0X Crop Requirement** or Phosphorus Index
VH	Soil Test Recommendation***	≤ 1.5X Crop Requirement** or Phosphorus Index
CRITICAL	****	****

* Land Grant University ratings (VL = very low, L = low, M = medium or moderate, H = high, VH = very high).

** Not to exceed the Nitrogen rate.

*** Usually zero unless starter P is recommended.

**** Critical soil test extractable P in Texas is 200 ppm and is approximately equal to 5 times the minimum HIGH rating of any other Land Grant University soil test P extractant method (Example: Minimum High rating is 42 in Texas, 42 X 5 = 210, ~ 200). **Once the Table 1 "critical" soil test rating is reached, seek assistance from local USDA – NRCS office for assistance before waste is applied.**

Texas A&M nutrient recommendations and crop requirements can be found at the following web site or by visiting the local USDA – NRCS or Texas Agricultural Extension office.

<http://soil-testing.tamu.edu/NMP/>

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