

AG. WATER QUALITY ACT



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TECHNICAL ASSISTANCE

FUNDING ASSISTANCE

IMPORTANT CONSIDERATIONS

MANURE MANAGEMENT SYSTEMS

LIVESTOCK BMP #5



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Description:

A planned system for managing liquid and solid manure, in which all necessary components, including runoff from concentrated manure areas, are installed in a manner that does not degrade soil or water resources.

AWQA Minimum Requirements: Manage manure in rural areas in a manner that prevents or minimizes degradation of soil, water resources, and protects public health and safety. Such systems are planned to preclude discharge of pollutants to surface or ground water and to recycle manure through soil and plants to the fullest extent practicable. They must meet all applicable permit requirements. Adequate drainage, erosion control, and other soil and water management practices shall be incorporated to prevent system related problems. The overall system shall include sufficient land for proper use or disposal of manure at locations, times, rates, and volumes that maintain desirable water, soil, plant, and other environmental conditions. Appropriate manure handling equipment shall be available for effective

operation of the system.

Recommendations: Manure should be used to the fullest extent possible by recycling it through soil and plants. Clean water should be excluded from concentrated manure areas to the fullest extent practical. Manure shall be collected and safely spread on land, treated, or stored until it can be safely spread in accordance with [Livestock BMP #11](#). Adequate storage must be provided to allow spreading during favorable weather and at times compatible with crop management and available labor. Polluted runoff and seepage from concentrated manure areas shall be intercepted and directed to storage or treatment facilities for future disposal or be applied, in an acceptable manner, directly to land.

Technical References

University Publications

- [AGR-165 The Agronomics of Manure Use for Crop Production](#)
- [AEN-91 Managing Liquid Dairy Manure](#)
- [ID-148 Sampling Animal Manure](#)
- [IP-57 Potential for Livestock and Poultry Manure to Provide the Nutrients Removed by Crops & Forages in Kentucky](#)
- [AGR-146 Using Animal Manures as Nutrient Sources](#)
- [ID-168 Composting Horse Muck](#)

USDA/NRCS Publications

- [Practice Code 313 Waste Storage Facility](#)

Funding Assistance Options

State Cost Share

- See your local Conservation District to [apply](#).

Kentucky Ag. Development Fund (KADB/KAFC)

- Select from available program options [here](#).

NRCS Environmental Quality Incentives Program (EQIP)

- Select from available program options [here](#).

Important Considerations

Water Quality Benefit (🌊🌊🌊🌊): 🌊🌊🌊
(KEY: 🌊=good, 🌊🌊🌊=best: see [STEPL Model](#))

Wildlife Benefits

- Contact the Kentucky Department of Fish and Wildlife's [Habitat Improvement Program](#) on how to improve wildlife habitat with select BMPs (1-800-858-1549).