AG. WATER QUALITY ACT

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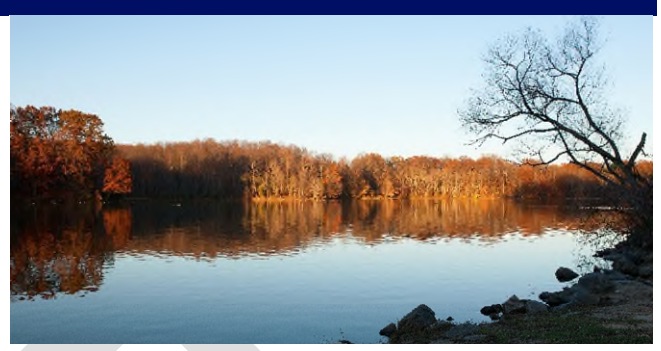

Photo courtesy of USDA ARS

TECHNICAL ASSISTANCE | FUNDING ASSISTANCE | IMPORTANT CONSIDERATIONS

STORAGE OF DRY BULK FERTILIZER

PESTICIDE & FERTILIZER BMP #1

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Description:
Store dry bulk fertilizer is a way that protects water quality by maintaining minimum distances from water resources.

AWQA Minimum Requirements:
Locate new storage facilities 100 feet minimum away from on-site wells and sinkholes 200 feet from private domestic wells, 200 feet from springs, cisterns, and 400 feet from open-throated sinkholes and perennial streams. Sinkholes are defined in 401 KAR 5:002, which states sinkholes are "a naturally occurring topographic depression in a karst area. Its drainage is subterranean and serves as a recharge source for groundwater. It is formed by the collapse of a conduit or the solution of bedrock." An open-throated sinkhole is a sinkhole with an internal opening or drain, including a cave, proto-cave, conduit, sub-conduit, or fissure, leading into the subsurface through which water and other materials can pass from the sinkhole into underlying solutional voids and conduits. Open throats may be air-filled or water-filled. Store fertilizers and pesticides separately from one another and away from foodstuffs and feed. Check storage areas frequently for leaks and spills. Clean up spills immediately.

Technical References

Crop Protection Reference
Chemical & Pharmaceutical Press, Inc.
888 Seventh Avenue, 28th Floor, New York, NY 10106, (212)621-4600.

Design Manual: Designing Facilities for Pesticide and Fertilizer Containment
Midwest Plan Service, Ag and Biosystems Engineering Department
122 Davidson Hall, Iowa State University, Ames, IA 50011-3080.

Kentucky Certified Crop Advisor Training Manual
University of Kentucky College of Agriculture in association with the Kentucky Certified Crop Administration Board.

Kentucky Department of Agriculture, Division of Environmental Services

REPORT A RELEASE IMMEDIATELY to the Kentucky Energy & Environmental Cabinet at 502-564-2380 or 800-928-2380.

Funding Assistance Options

State Cost Share
- No cost share assistance is currently available for this practice.

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 (💧-💧💧💧💧): 💧