

AG. WATER QUALITY ACT



Photo courtesy of Creative Commons



Photo courtesy of Creative Commons

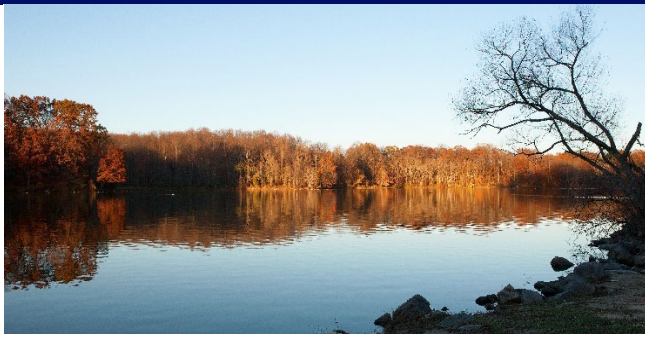


Photo courtesy of USDA ARS

TECHNICAL ASSISTANCE

FUNDING ASSISTANCE

IMPORTANT CONSIDERATIONS

STORAGE OF LIQUID BULK PESTICIDES

PESTICIDE & FERTILIZER BMP #5



Photo courtesy of Creative Commons

Description:

Protect water quality through appropriate storage of liquid bulk pesticides, including insecticides, herbicides, fungicides, rodenticides, and nematocides.

AWQA Minimum Requirements:

Locate storage facilities 100 feet minimum away from on-site wells and sinkholes, 200 feet from private domestic wells, 200 feet from springs and 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. For new Secondary Containment facilities of liquid bulk pesticides in undivided quantities of 300 gallons or more: •Construct

facilities of concrete or other impervious materials. •The use of underground storage containers or plumbing as (or used in conjunction to) secondary containment is prohibited.

Recommendations:

Develop a plan to deal with fertilizer spills, including spill site management and storage site cleanup. Store all liquid bulk pesticides in a dry, secure, ventilated area.

Technical References

Kentucky Department of Agriculture,
[Division of Environmental Services](#)
[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.
[AgriBusiness Association of Kentucky](#)
340 Democrat Dr., Frankfort, KY 40601 502-226-1122
Crop Protection Reference
Chemical & Pharmaceutical Press, Inc.
888 Seventh Avenue, 28th Floor, New York,
NY 10106 (212)621-4600
[University of Kentucky Cooperative Extension Service](#)
[REPORT A RELEASE IMMEDIATELY](#) to the
Kentucky Energy & Environment Cabinet at
502-564-2380 or 800-928-2380.

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](#))