

AG. WATER QUALITY ACT



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TECHNICAL ASSISTANCE

FUNDING ASSISTANCE

IMPORTANT CONSIDERATIONS

STORAGE OF LIQUID BULK PESTICIDES

PESTICIDE & FERTILIZER BMP #5



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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 & Environmental 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 \(EOIP\)](#)

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

Important Considerations

Water Quality Benefit (💧-💧💧💧💧): 💧