**AG. WATER QUALITY ACT**

**STORAGE OF LIQUID BULK PESTICIDES**

**PESTICIDE & FERTILIZER BMP #5**

**Description:**
Protect water quality through appropriate storage of liquid bulk pesticides, including insecticides, herbicides, fungicides, rodenticides, and nematicides.

**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, and 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/KACF)**
  - 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)

---

---