



Carefully pour chemicals directly into the sprayer tank and use a water supply with a backflow preventor to dilute to the needed concentration.

DO

- ✓ Place drums on pallets to move with a forklift.
- ✓ Store chemicals in the original container in a clean, dry location.
- ✓ Check spray equipment for leaks before use.
- ✓ Pump or pour chemicals directly into the spray tank of the sprayer unit.
- ✓ Use a water supply that has a backflow preventer to dilute chemicals to the needed concentration.
- ✓ Carefully watch the fill sight tube to avoid overfilling the spray tank.
- ✓ Rinse empty containers three times and pour rinse water into the spray tank.
- ✓ Apply all chemicals per label directions.
- ✓ Have a spill kit and an empty container available when chemicals are delivered or moved.
- ✓ Replace used spill kit materials promptly after use.

DON'T

- ✗ Don't accept leaking containers from delivery trucks.
- ✗ Don't overfill the spray tank.
- ✗ Don't reuse or burn empty chemical containers.

Tips and Tricks

- ! Park delivery vehicle on the uphill side of the tank to drain delivery hose easily.
- ! Contact UK Environmental Management for list of needed spill kit contents
- ! UK Environmental Mgmt. 859-323-6280

Materials & Waste Management

- ▲ Return refillable chemicals containers to the vendor if applicable.
- ▲ Store containers in a designated location to protect from damage, destruction or theft.
- ▲ Containers that cannot be returned or recycled will be punctured and sent to a solid waste landfill that has agreed to accept the containers.
- ▲ Do not dispose of absorbed materials and soils that contain chemicals and are hazardous. Contact UK Environmental Management for assistance.

Facility Checklist

- ☐ Check **EACH** delivery shipment and do not accept leaking containers.
- ☐ Check chemical mixing and spraying operations **WEEKLY**.
- ☐ Check equipment including sprayers and pumps **WEEKLY** during application season.
- ☐ Check chemicals spill kits **MONTHLY** and promptly restock after use.
- ☐ Check chemical storage location **ANNUALLY**.
- ☐ Review chemical handling procedures **ANNUALLY**, improve as needed.
- ☐ Ensure MSDS sheets are current and available **ANNUALLY**.
- ☐ Ensure personnel handling and applying chemicals are trained and certified.

If...Then

- Quickly contain and clean up spills or leaks using absorptive devices from spill kits.
- Return spilled chemicals to the spray tank.
- Contain absorbed material from spills or leaks and distribute it at a target chemical application site.
- If absorbed chemical material cannot be used, conduct a waste determination. Clean-up from spilled materials that are found to be non-hazardous can be disposed in a solid waste landfill.
- Contact UK Environmental Management for guidance regarding spills.
- Call 911 immediately for large spills.

Training: 1 per Year

Season: Spring

Relevant Environmental Programs

- Air Quality
- 401/404/WQC
- KPDES
- MS4

- GWPP
- Waste
- Pesticides
- SPCC



INFORMATION SOURCES

Kentucky Department of Agriculture, Pesticides Program. Ernest Collins, *personal communication*.

Kentucky Transportation Cabinet. *Environmental Awareness: A Road Master Training Course*. Undated. (Unit 5 Groundwater p 12-13; Unit 3 Waste Management p 2; Ground Water Protection Plan p 16-17)

Kentucky Transportation Cabinet and Kentucky Transportation Center. 2005. *Environmental Handbook for Management of Highways and Transportation Facilities*. (Fact Sheet 2.2.2)

New York State Department of Transportation. *Environmental Handbook for Transportation Operations A Summary of the Environmental Requirements and Best Practices for Maintaining and Constructing Highways and Transportation Systems*. Environmental Analysis Bureau. April, 2006. 64.

City of Bowling Green. 2006. *Environmental Handbook for City of Bowling Green Facilities Management*. (Fact Sheet 5.7)

NOTES

- 1) UK Environmental Management is located at 355 Cooper Drive, Lexington, KY 40506-0490, 859-323-6280, ehs.uky.edu/env