

The background of the slide features a large, faint, circular seal of Rutgers University. The seal contains the text "RUTGERS UNIVERSITY" and "EST. 1823" around a central emblem. The entire slide has a solid red background.

RUTGERS

New Jersey Agricultural
Experiment Station

Pesticide Storage and Spills: Minimizing Risk...

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QR Codes to Download Handouts



Xmas Tree
Grower
Resources



Storage
Inventory
& Letter



Spill Report
Card

Xmas Tree Growers in New Jersey must always

Plan to have a pesticide spill...

- Storage: best management practices
- Well-trained licensed applicators
- Recordkeeping & reporting



Pesticide Storage Areas

Properly designed
pesticide storage areas:

- protect product
 - theft-proof
 - fire-proof
 - child-proof
 - environmentally safe
 - minimize risk of spills
-
- Save \$
 - Protect YOU!!!!



NJDEP Storage Requirements – any registered pesticide

- Display pesticide storage sign prevailing language(s)
- No storage next to food & animal feed

Separate herbicides
from other products



Source: NJAC 7:30-9.5



Restricted Use Pesticides
& their empties with residues
must be locked & secure
when unattended

Storage of Restricted Use Pesticides Within an Occupied Building

- **structurally separate room**
- **adequately vented**



Mechanical Ventilation



Passive
Ventilation



Applicator or dealer keep

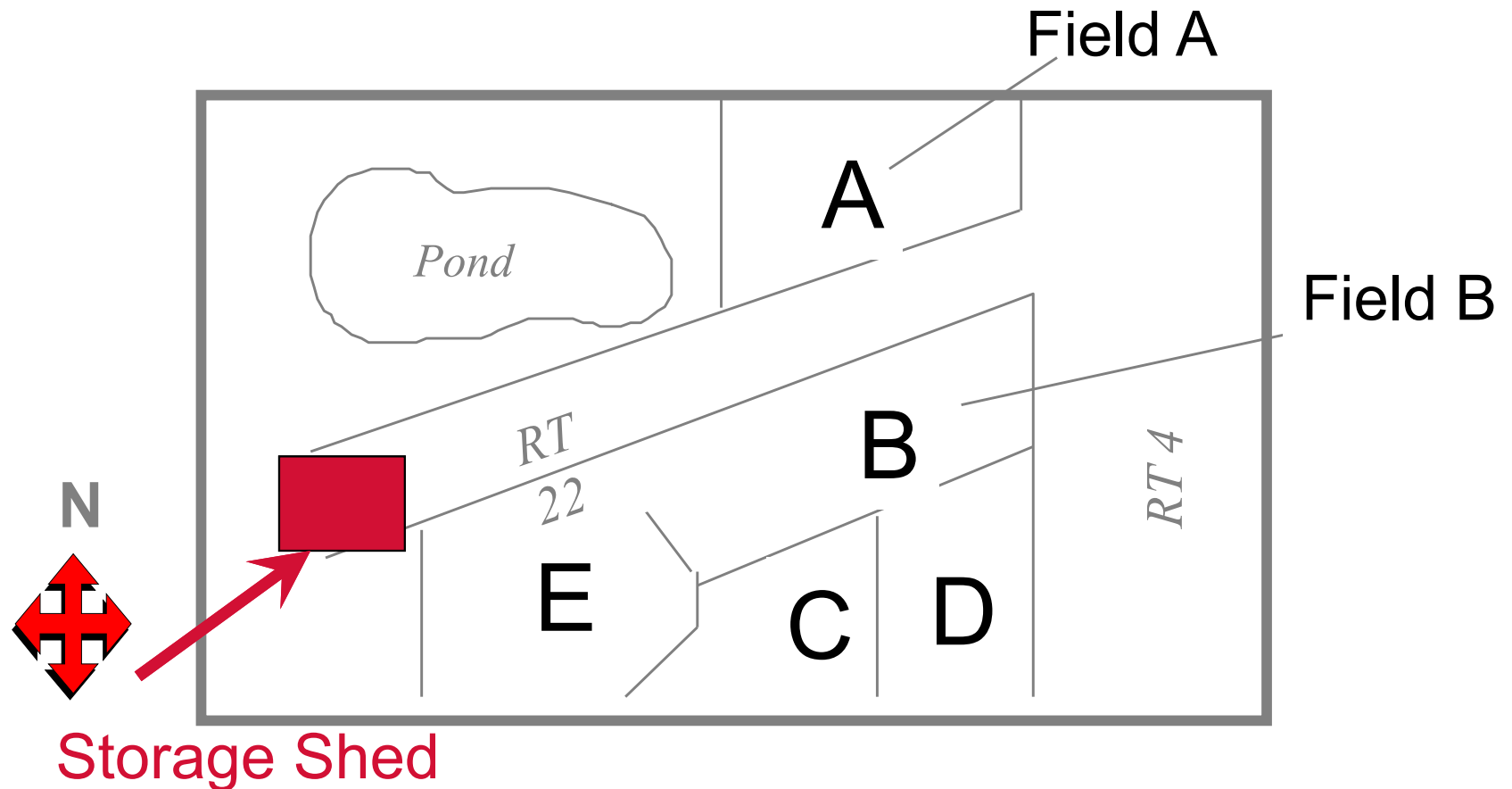
1. List of **any** pesticides stored (or likely to be stored) for more than 7 days
2. Keep at **separate location** from storage
3. On **file for 3 years**
4. Provide immediately **upon request to NJDEP**
5. Updated & sent to the **local fire company** each year by May 1 (with cover letter)

Inventory

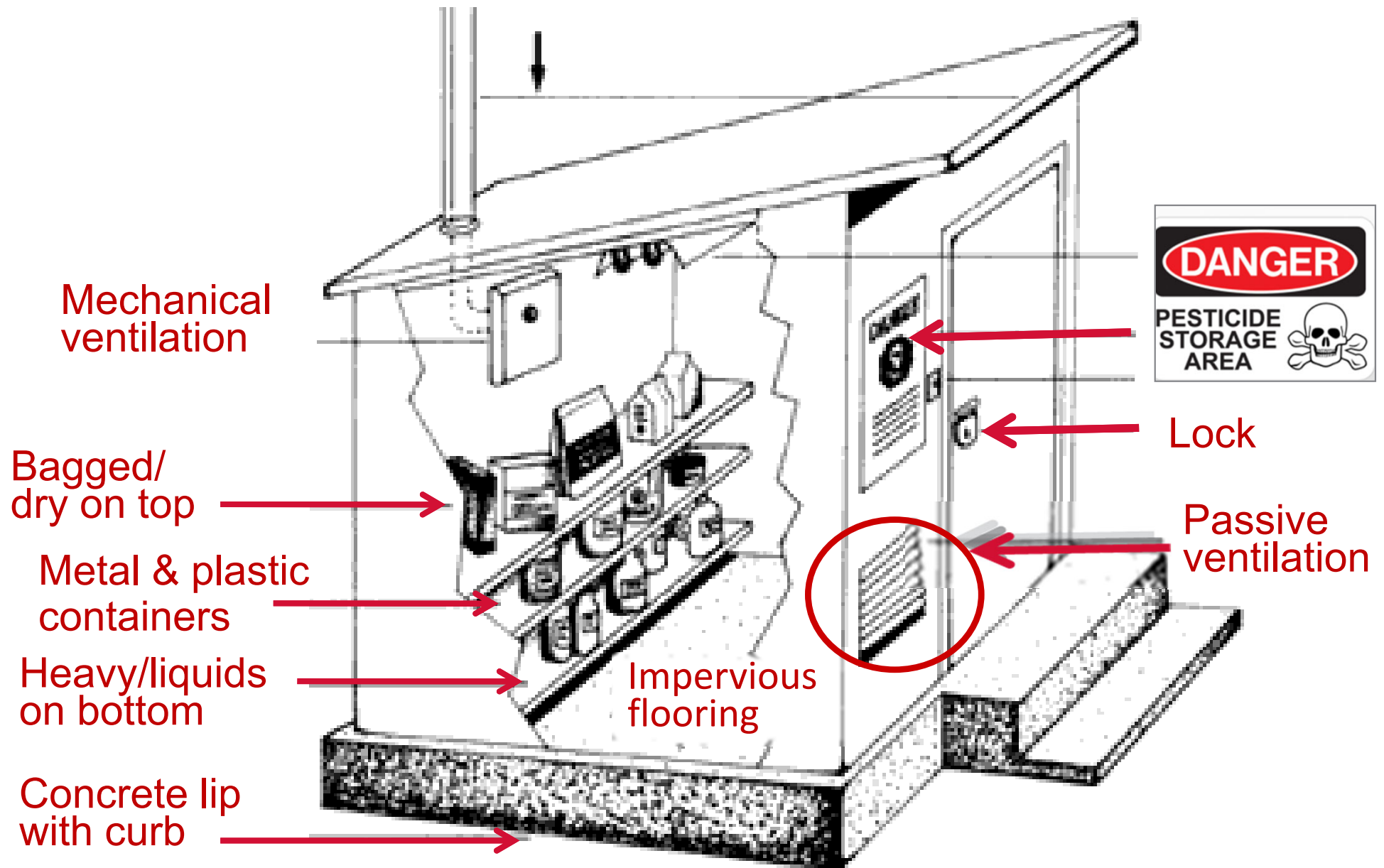
[illegible]

Notice to Fire Department

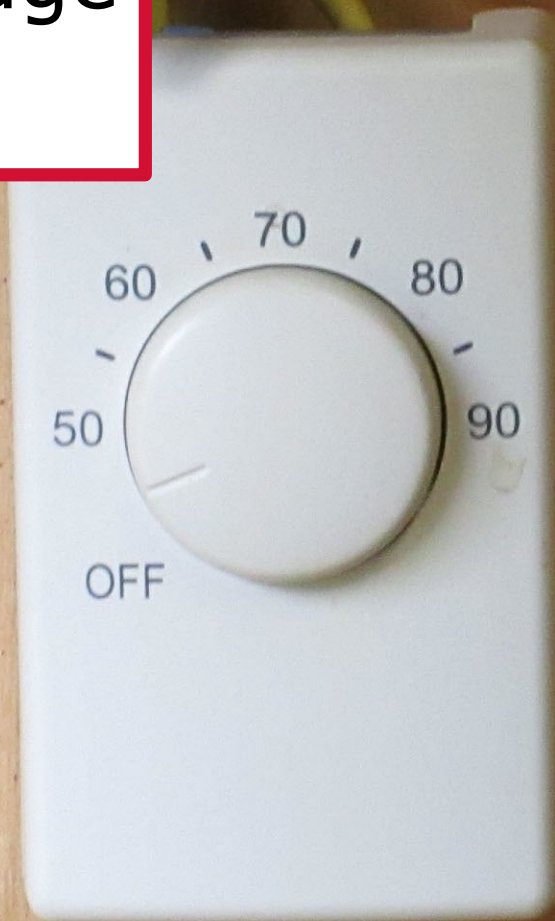
Exact description of
where pesticide storage is on the property
can be written OR diagram (*sketch, map, etc.*)



Pesticide Storage Best Management Practices

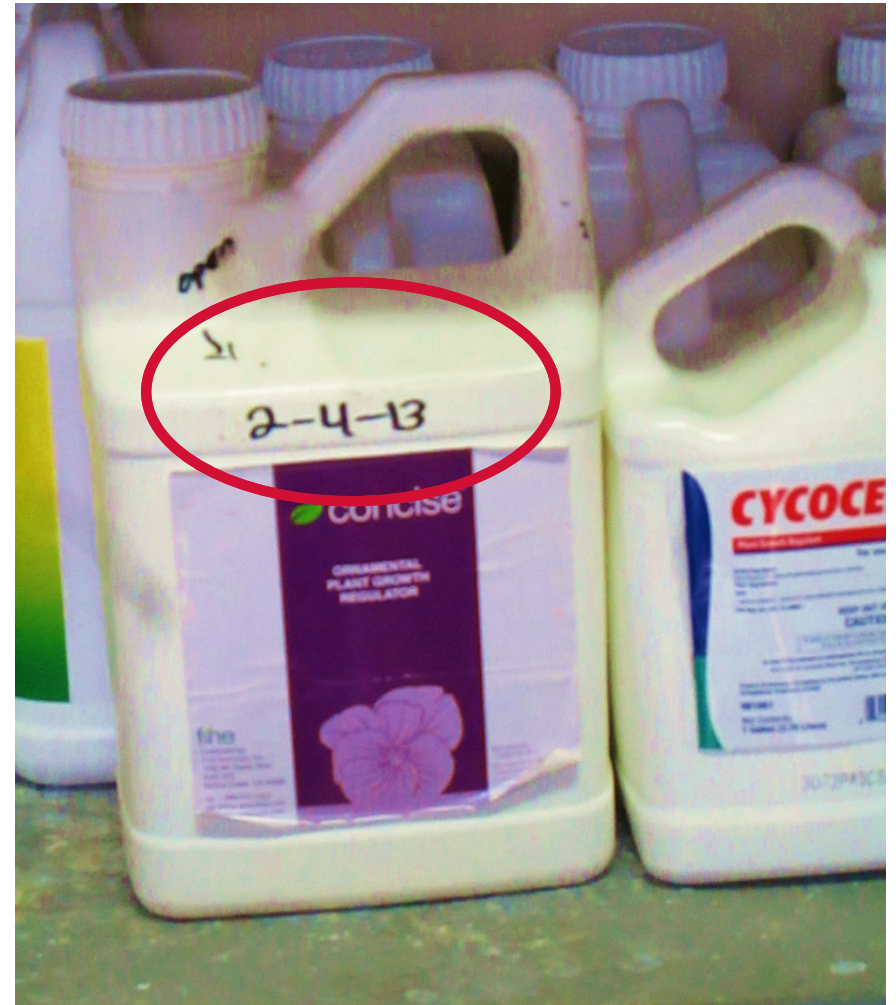


Maintain product storage
temperature per label



'Zero Pesticide Storage' Practices:

- Use last year's chemicals 1st & **avoid carryover**
- Buy only what you need for a single season (e.g., smaller size)
- Always check for an **expiration date**
- Mark each container with **purchase date***



**check/record
expiration date*

Storage Area Flooring



- Avoid dirt or wood
- Impervious surfaces best (concrete; epoxy-coated)
- Keep large drums & bags directly off floor (containment)

A spill just waiting to happen...



Shelving Do's & Don'ts #1



Shelving Do's & Don'ts #2



Look for Damaged Containers

- **Inspect** regularly
 - tears
 - splits or breaks
 - leaks and drips
 - rust & corrosion
 - dried drips & crud
- **Secondary** containment
- **Transfer** to an appropriate container & label & it...



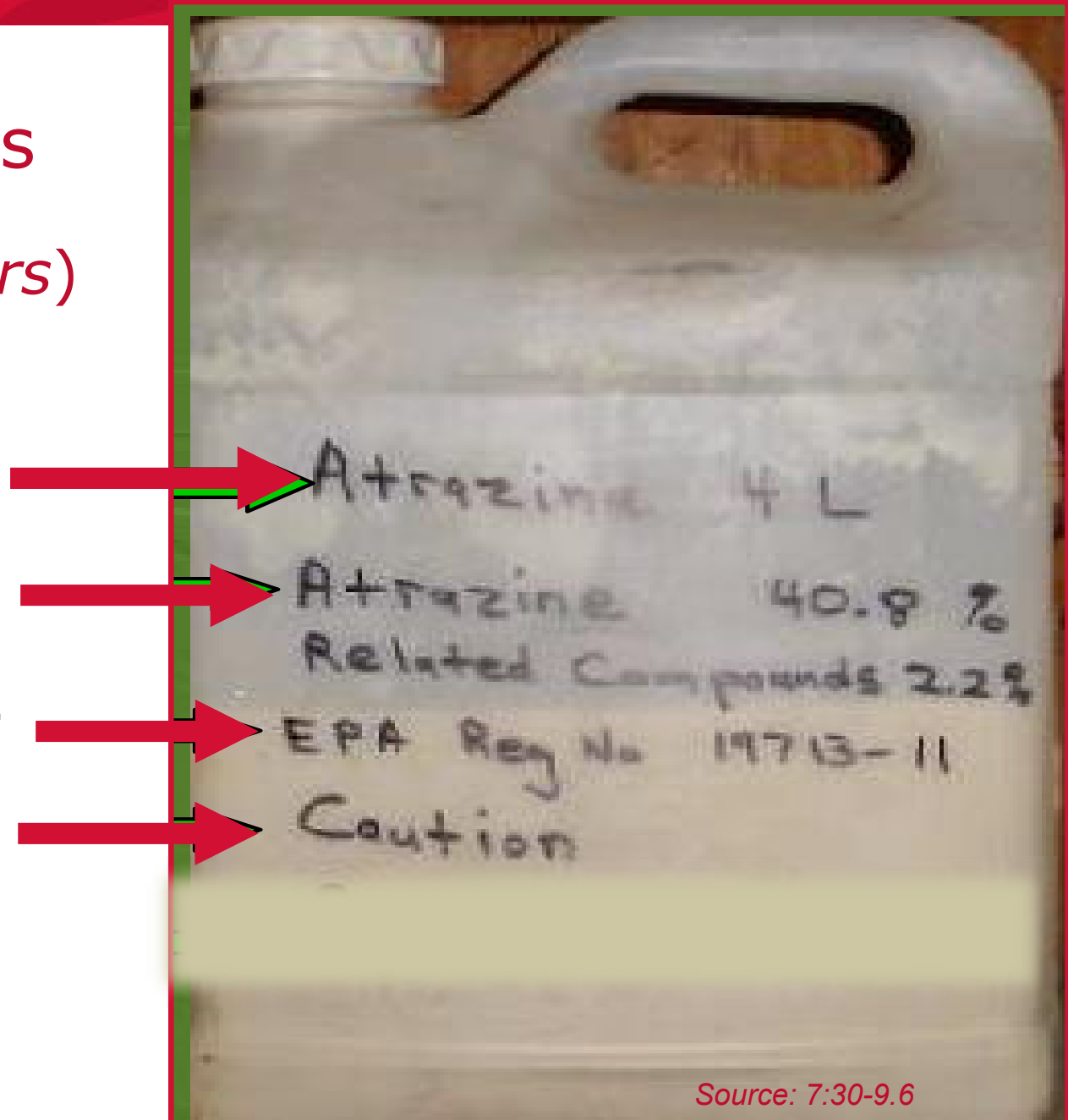
NJDEP Minimum Label Requirements (for transfers or service containers)

1. Trade &
common names

2. Percent of
each active

3. EPA reg number

4. Signal word



NJDEP Regs Pesticide Storage Areas

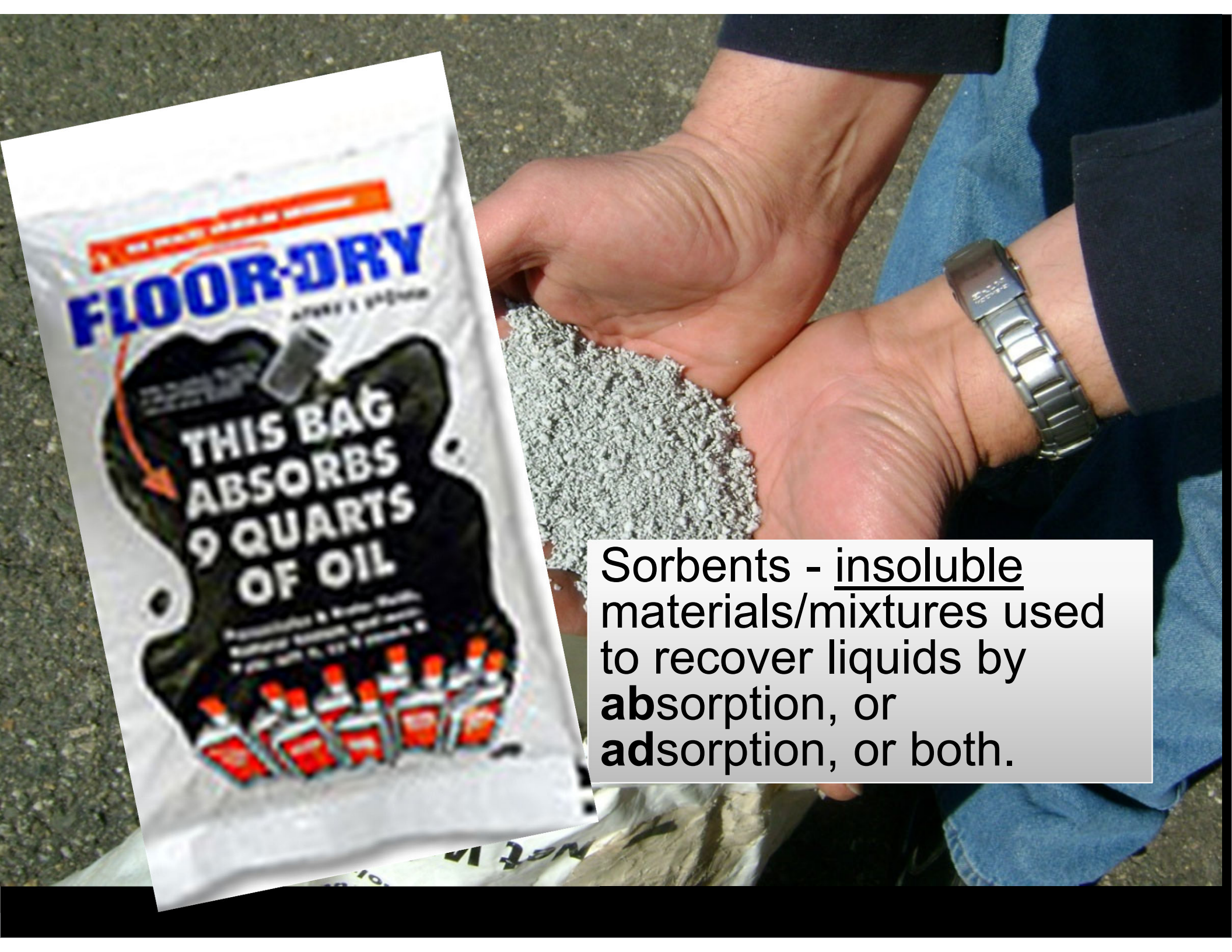
Recovery
or containment system

OR

- Shovel; or dust pan & brush for **dry**
- Equipment **immediately** available
- Enough absorbent for **liquid** spills



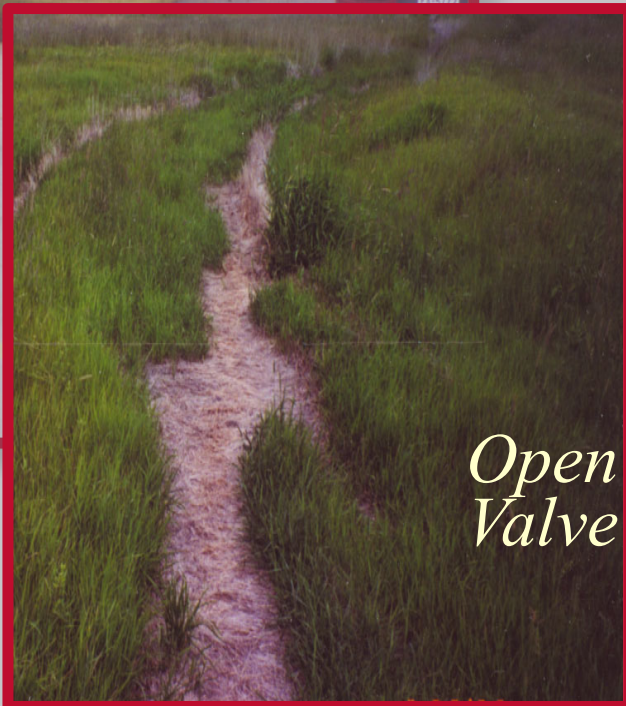
Not a product endorsement



Sorbents - insoluble materials/mixtures used to recover liquids by **absorption**, or **adsorption**, or both.



*Spray Hose
Rupture*



*Open
Valve*

NDEP defines a spill as
“...any

- intentional or unintentional
- action or omission
- resulting in the releasing, discharging, leaking, pumping, pouring, emitting, emptying, or dumping
- of any pesticide
- to any location which is not a labeled & intended site...”

NJDEP Spill Reporting Thresholds

1. Outside a structure – *if more than*
 - 1 pound active ingredient
2. Inside a structure- *if more than*
 - 1 pound active dry pesticides
 - 1 gallon liquid (pesticide &/or diluent)

Phone immediately
Send written report within 10 days



**1-877-
WARNDPEP**

- Name/address/phone of dealer, applicator, operator
- Name/address/phone of *commercial* business, dealer
- Incident location
- Pesticide name & EPA registration number
- Estimated amount & dilution rate of pesticide
- Corrective action(s) taken

Rutgers "Spill Report Card" Template

Pesticide Spill Report Call NJDEP Department Hotline: 1-877-927-6337

Date and time: _____

Name/address/phone of applicator, operator, or dealer: _____

Name/address/phone of applicator or dealer: _____

Name /phone of property owner or operator: _____

Incident location: _____

Pesticide name(s) and EPA registration number: _____

Estimated amount & dilution rate of pesticide: _____

Corrective action(s) taken: _____

New Jersey Environmental Protection Pesticide Control Program Regulations

"...a spill is defined as any intentional or unintentional action or omission resulting in the releasing, discharging, leaking, pumping, pouring, emitting, emptying, or dumping of any pesticide to any location which is not a labeled & intended site..." (NJAC 7:30-1.2)

Reportable Spills (NJAC 7:30-9.17) -- only certain spills have to be reported to the NJDEP:

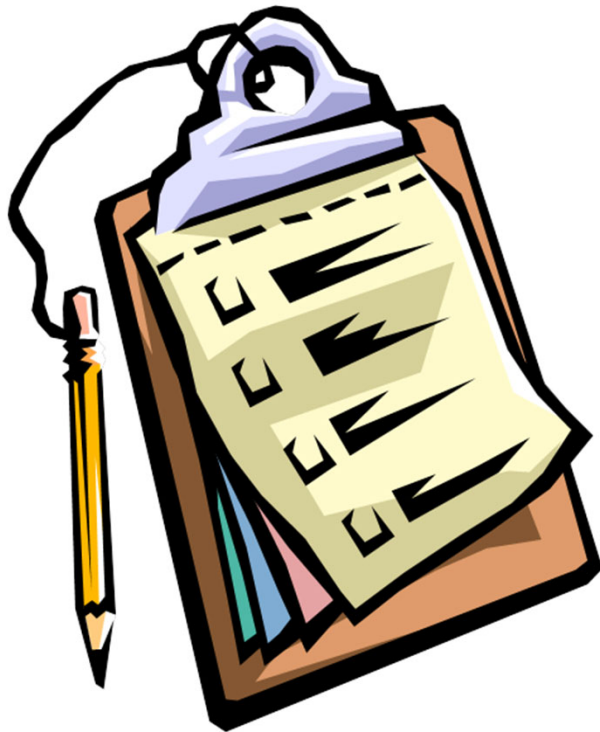
1. **Outside** a structure -- if more than
 - 1 pound active ingredient
2. **Inside** a structure- if more than
 - 1 pound active dry pesticides
 - 1 gallon liquid (pesticide &/or diluent)
3. **Termiticide** indoor spill
 - >50 in² organochlorine termiticide contamination at 1 injection point
 - >1 yd² aggregate contaminated by organochlorine termiticide on/at interior wall base
 - when heating duct/system is contaminated

Who is responsible to report: licensed dealer, dealer business, commercial pesticide operator, applicator or applicator business, shall notify the Department of any reportable pesticide spill at the time of application, or at the time of supervision and/or direct observation.

Call 1-877-927-6337. Follow up within 10 days with a written report to the Department of Environmental Protection, P.O. Box 411, Trenton, NJ 08625.

- One page to print double-sided
- Cut in two
- Use to call in
- Send as written report

Minimize pesticide spill liability



- Equipment used properly maintained &/or calibrated
- No injury to persons/environment
- Pesticide application records per regs
- Application per pesticide label
- All persons involved were licensed
- Immediate report to NJDEP
- Acceptable clean-up