Requirements are based on the route of entry, toxicity and formulation of the pesticide.
Personal Protection Equipment

• Long-sleeved shirt, long pants or coveralls
  - tightly woven fabric or waterproof material
• Gloves
  - unlined/elbow length
  - waterproof +/- chemical resistant
  - shirt sleeves worn over gloves
• Boots
  - waterproof +/- chemical resistant
  - pant legs over boots
• Eye Protection
  - safety glasses/goggles
  or face shield
• Dust mask or
cartridge respirator - 8 hour use
Personal Protection Equipment

- **Waterproof** and **chemical resistant** are not the same! Oil-based solvents
- Cotton, leather, canvas are **not** chemical resistant

- Breakdown of PPE via: penetration, permeation, degradation

- **Laundering Work Clothes**: separate from family laundry, hot water, liquid detergent, prerinse + longest wash cycle, line dry outdoors, run washer empty with detergent after
Special Considerations:
Organophosphate and Carbamate

- Insecticides that inhibit the nerve enzyme **cholinesterase**

- Effects can be **additive**
  - determine a blood level baseline with physician and check regularly