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Standards and Technical Services

WA State Department of Labor and Industries

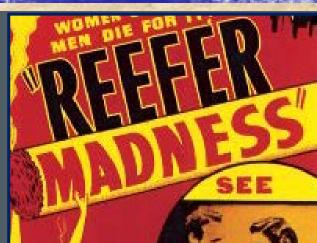
Division of Occupational Safety and Health (DOSH)

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- Workplace safety and health is regulated by Labor & Industries' Division of Occupational Safety and Health (DOSH).
 We are an OSHA "State Plan" state. As such, we apply the Washington Administrative Codes (WACs).
- We inspect any employer site with <u>one or</u> <u>more</u> employee; including municipalities and agriculture.



Our Cannabis Licensees

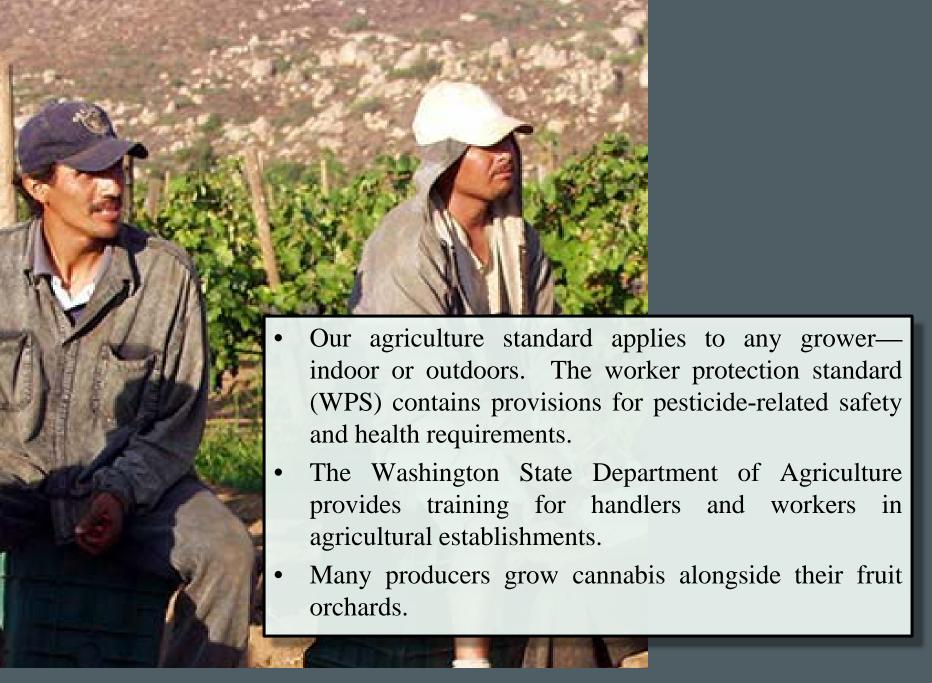
• Producers: 1,149

• Processors: 1,517

• Retailers: 1,854

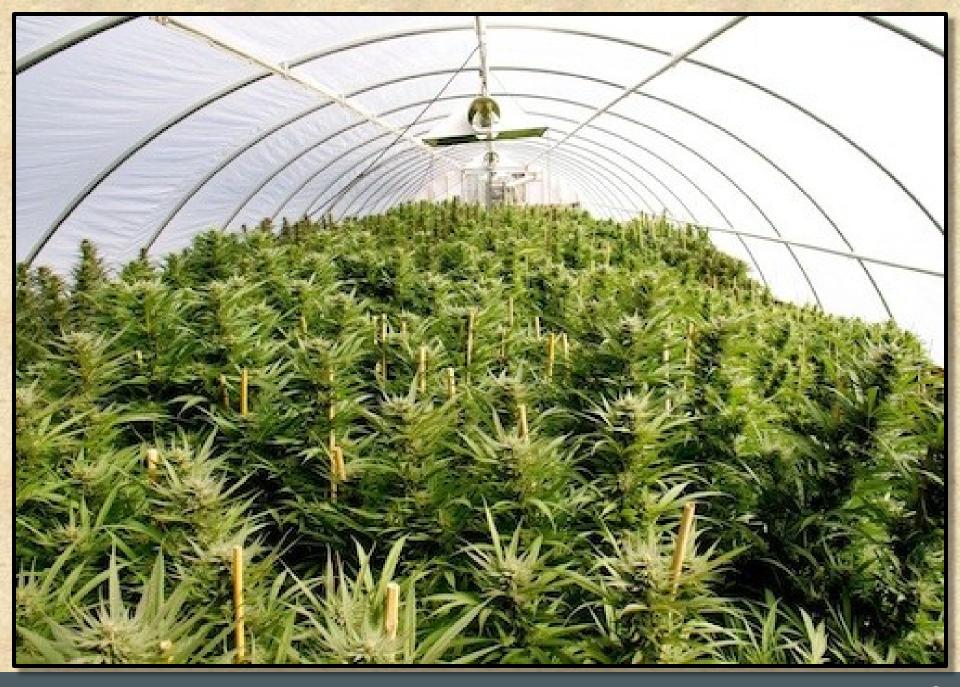
Source: Washington State Liquor Cannabis Board



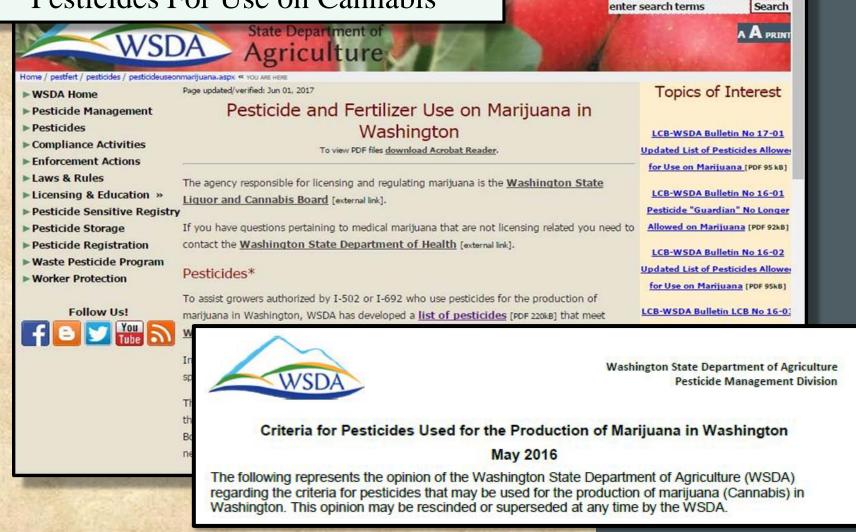


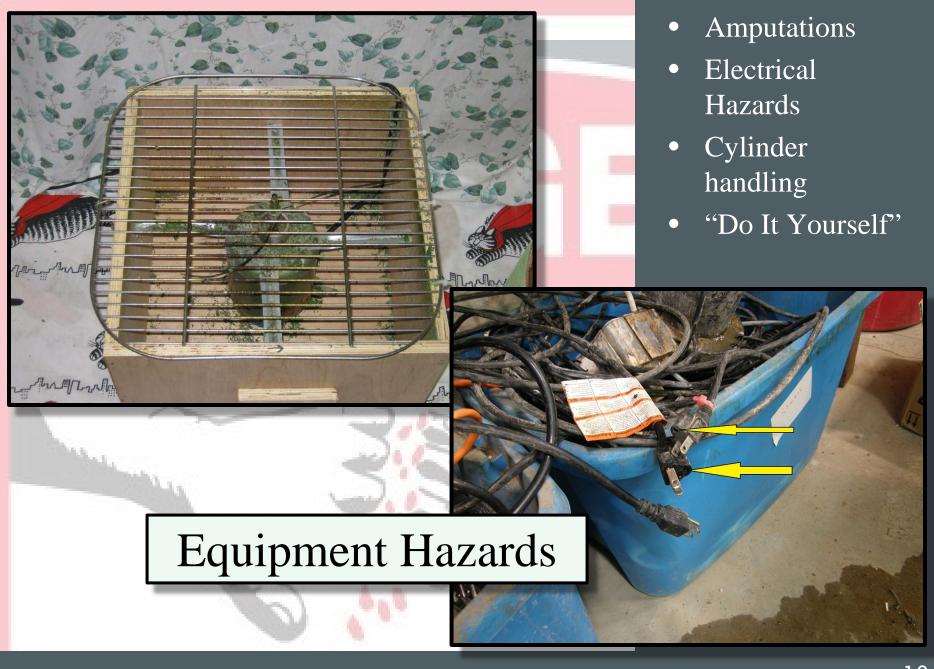






WSDA Maintains a List of Approved Pesticides For Use on Cannabis



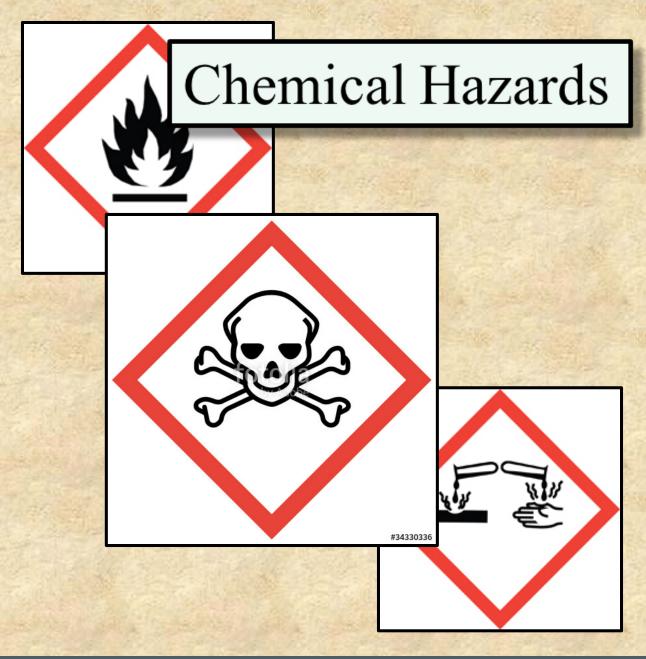








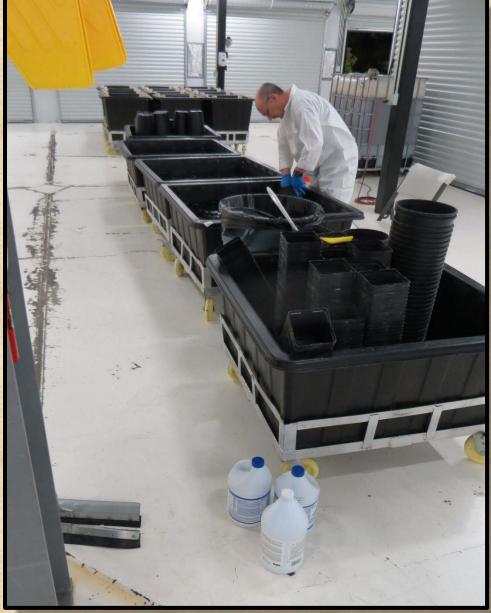




- Pesticides
- Cleaning Agents
- Flammable Gas/Liquid
- Carbon Dioxide
- Any chemical product used in an occupational setting



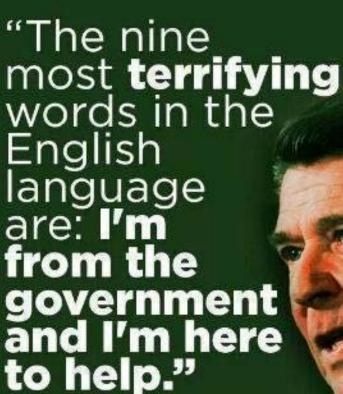




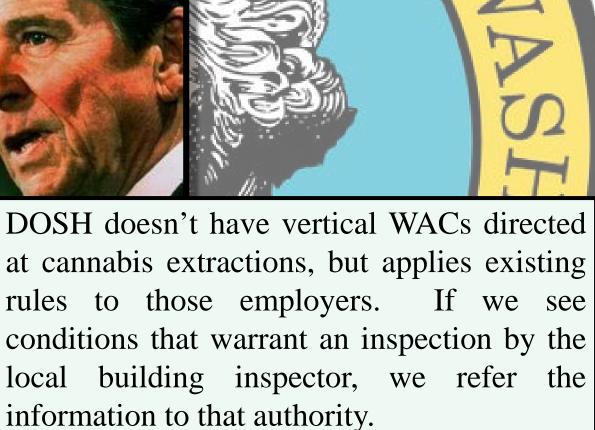








-Ronald Reagan



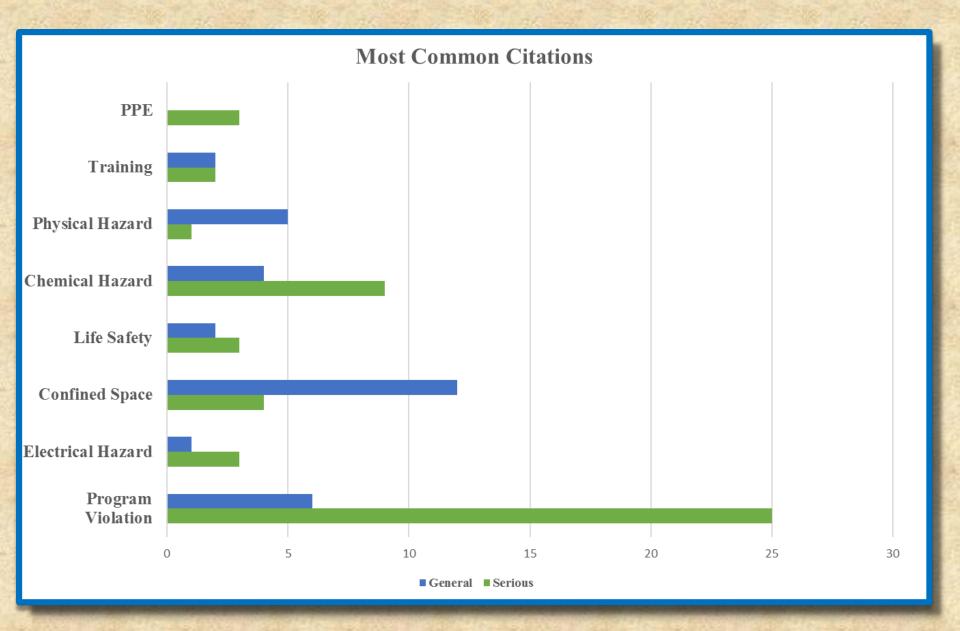


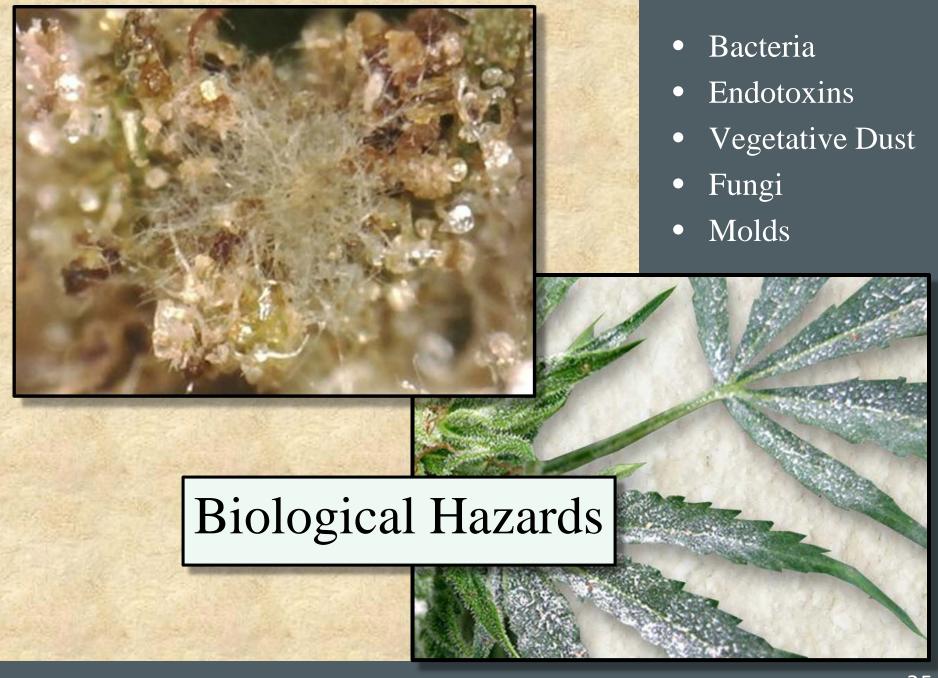
- Respirators
- Facemasks
- Gloves
- Safety glasses/goggles

Personal Protective Equipment









Respiratory Disease

- ✓ Chest Tightness
- ✓ Shortness of breath
- ✓ Cough
- ✓ "Farmer's Lung"(Hypersensitivity Pneumonitis)
- ✓ Exists in conditions where organic antigens reside in optimal growth conditions. Farming, birdkeeping, etc.

Case Summary: Ventilation Issues at a Cannabis Grow and Extraction Business

- Labor dispute blamed for the complaint
- The pressure relief valves on the CO₂ equipment relieve to the room instead of outdoors
- CO₂ used for growth as well as extraction
- Ductwork intended to "move CO₂ around" had no fresh/outdoor return air, and leaked throughout the building. Not dissimilar to an anesthetic gas scavenger used in an operating room.
- Garage and front door opened once a day for ventilation

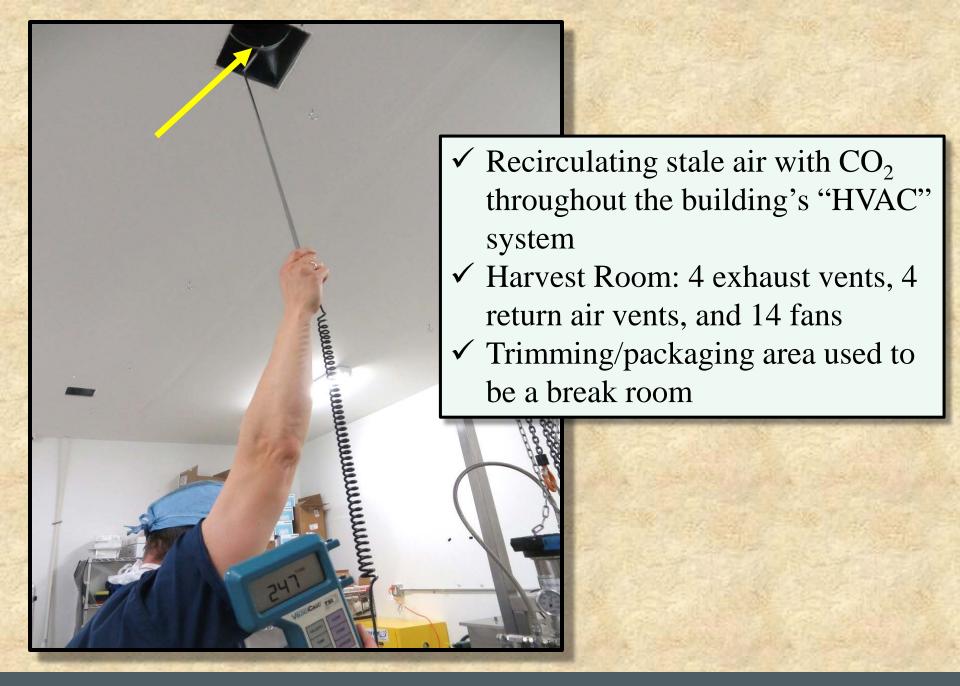
Allegations:

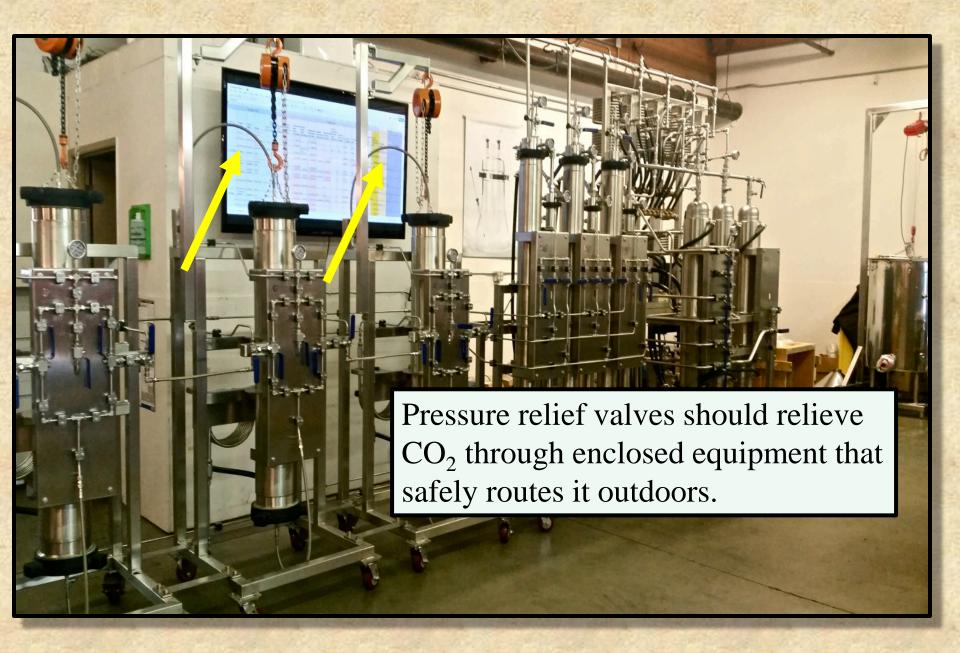
- CO₂ levels too high in all areas of the facility
- Harvest rooms not properly ventilated
- PPE requirements not followed



Observations:

- ✓ Significant elevation of CO₂ but below the PEL
- ✓ No oxygen monitoring
- ✓ No/ineffective personal protective equipment
- ✓ No written hazard communication program
- ✓ No hazard communication training
- ✓ No emergency washing





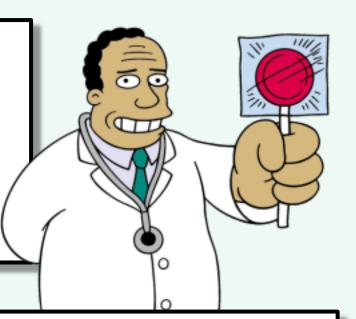


✓ One hospitalization for asthma-like symptoms

- ✓ Employer stated that they had 10 employees, thinking that DOSH couldn't enforce our rules with fewer than that (per OSHA).
- ✓ In Washington State, we enforce if there is one or more employee

- ✓ Water leaks/damage inside, mold and mildew present
- ✓ Observation of 1440 fpm at each exhaust intake in the extraction rooms
- \checkmark CO₂-laden air goes into the lobby area at around 800 ppm
- ✓ The employer was aware of these hazards

When informed of the CO₂ atmospheric hazard during the inspection, the employer acknowledged his understanding of the hazard, and stated, "Carbon dioxide is a reasonable way to kill pests."



During the closing conference, the DOSH inspectors were informed that the employer was dissolving the business and moving to New York

The owners were a board-certified anesthesiologist and a registered nurse. In New York.

MATT GROENING

Looking Ahead...



- ✓ Developing a partnership with the State Building Code Council and State Fire Marshal's office
 - ✓ Identify building code personnel in every county to contact for referrals
 - ✓ Develop ongoing dialogue with stakeholders
 - ✓ Participate in industry conventions and events
- ✓ Create specific worker health and safety outreach documents for growers and processors
 - ✓ Offer consultation services prior to programmed enforcement action

Questions?

