

OCCUPATIONAL SAFETY AND HEALTH STANDARDS BOARD (OSHSB)  
AUTONOMOUS AGRICULTURAL TRACTORS ADVISORY COMMITTEE MEETING

In-Person Meeting

May 8, 2025- 10:00 – 4:00 P.M.

May 9, 2025- 9:30 – 3:30 PM.

Agenda

**Day 1**

<b>Time Estimate</b>	<b>Topic</b>	<b>Presenter</b>
10 AM	Welcome and Introductions	Committee Chair & Members
10:20-10:25	Presentation on the Board's Jurisdiction	Autumn Gonzalez, Chief Counsel OSHSB
10:30-11:00	Existing Cal/OSHA Title 8 Regulations	Cal/OSHA Representative
11:00-11:20	Q& A and discussion	Committee Members
11:20 – 11:30	Review/share comment letters received	Committee Chair
11:30 – 12:45 PM	Lunch Break	
1 PM	Types of Autonomous Equipment & Examples used in Pesticide Application	Emily Bryson, DPR Representative
1:30 – 2 PM	Q& A and discussion	Committee Members
2 PM-	Scope: a) List of Autonomous Ag Equipment in use	Committee Chair & Members

- b) Tasks/Operations  
(harvesting, tilling,  
etc.)
- c) Maintenance & repair
- d) Field conditions

2:30-3:45 PM	<p>Safety and Health (S&amp;H) risks:</p> <ul style="list-style-type: none"> <li>• During routine &amp; non-routine situations (like breakdowns or unexpected startups)</li> <li>• Inspection, repairs &amp; maintenance</li> <li>• Operated in Open Road?</li> <li>• Fencing and other barriers</li> <li>• Number of tractors that should be managed by 1 operator</li> <li>• Proximity of workers to the equipment</li> <li>• Training</li> <li>• Heat exposure</li> <li>• Pace of work</li> </ul>	Committee Chair & Members
3:45 – 4 PM	Brief recap	Committee Chair
4 PM	End of Day 1	

## **Day 2**

	<b>Topic</b>	<b>Presenter</b>
9:30 – 9:40 AM	Introductions & review agenda for Day 2	Committee Chair & Members
9:40- 10:40 AM	Consensus Standards: <ul style="list-style-type: none"><li>• Brief review of ISO and other consensus standards</li></ul>	Farzaneh Khorsandi, PhD  Associate Professor -University of California, Davis
10:40-11:30	Brainstorming- Data Collection Strategies: <ul style="list-style-type: none"><li>• Define data parameters of what needs to be collected</li><li>• Brief review of published existing articles</li><li>• Look at other industries</li><li>• Functional Safety</li><li>• Aggregate Data</li><li>• Use of surrogate data</li><li>• Simulation/modeling</li><li>• Small scale automation</li><li>• Ability to collect data when there is no human</li></ul>	Committee Members
11:30-12:45	Lunch Break	
12:45-2:30	Brainstorming-Safe design of equipment:	Committee Members

- How do we assess autonomous technology (sensors, camera, lidar, etc.)?
- Functional safety
- Review amount of data generated and variables
- Mandatory components:
  - mandatory audio and visual systems.
  - mandatory data records/Black box

2:30 – 3:00 PM Additional discussion items: Committee Members

- Right to repair
- Benefits and S&H improvements gained from potentially adopting this technology
- Consider whether a prescriptive regulation will be of benefit vs more broad approach

3:00 to 3:30 PM Brief recap and identify any possible recommendations or Best Path Forward? Committee Chair

3:30 PM End of Day 2