

**STANDARDS PRESENTATION  
TO  
CALIFORNIA OCCUPATIONAL SAFETY AND HEALTH STANDARDS BOARD**

Attachment No. 2

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PROPOSED STATE STANDARD,  
TITLE 8, DIVISION 1, CHAPTER 4

§3441. Operation of Agricultural Equipment

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(g) All tractors, ~~or~~ self-propelled farm equipment, and trucks used between ~~an hour after sunset or an hour before and sunrise~~ shall be equipped with at least one headlight **which shall be used to** ~~that will~~ illuminate the area in front of the equipment at least 50 feet. There shall be at least one rear light **which shall** ~~to~~ illuminate equipment at the rear. ~~Additional lighting shall be provided where the operation requires field adjustment or the operator's attention.~~

(h) Additional lighting shall be provided where the operation requires field adjustment or the operator's attention. Lighting shall also be provided in areas where workers may be on the ground within 25 feet of operating tractors, trucks, self-propelled or towed equipment. The minimum illumination in these work area shall be 10 foot candles.

~~(i) The employer shall provide and require workers to wear Class 2 high visibility garments meeting the requirements of Section 3380 (e) and conforming to specifications of ANSI/ISEA 107-2004 for work activities between sunset and sunrise. [move to Section 3449]~~

~~Note to subsection (i): See sections 3380 and 3383(b) [Move to Section 3449]~~

~~(h)~~ (i) Adequate means of access shall be provided so that employees can safely reach the top of the load for manual loading or unloading of high loads.

Authority cited: Section 142.3, Labor Code. Reference: Section 142.3, Labor Code.

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PROPOSED STATE STANDARD,  
TITLE 8, DIVISION 1, CHAPTER 4

§3449. ~~Illumination- Agricultural Operations During Hours of Darkness (Between Sunset to Sunrise)~~

(a) Illumination. Outdoor ~~A~~ agricultural field operations taking place between sunset and sunrise shall be illuminated at levels no less than the levels stated in Table 1.

Table 1 – Illumination Levels

| <u>Foot-candles</u><br><u>[Levels are subject to change based on the results of the light survey of AC members]</u> | <u>Areas or Tasks</u><br><u>[Further refinement of areas or task after the results of the light survey are received by Board staff]</u>  |
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| <u>3</u>  | <u>Meeting area and meal/rest area or other low activity area</u>  |
| <u>5</u>  | <u>General safety during outdoor agricultural operations (storage areas, ?)<br/>Pathways leading to and around restrooms and drinking water<br/>Inside restroom facilities</u> |
| <u>10</u>   | <u>Working near stationary agriculture equipment<br/>Active agricultural operations i.e. harvesting, irrigation work</u>   |
| <u>20</u>   | <u>Maintenance work on equipment [suggestion to combine with the above row]</u>  |

Note: Area lighting is to be set up in a manner that minimizes glare to the workers (selection of lamps, shielding, proper adjustment of the beam angle, glare avoidance screens).

(b)(1) If needed to comply with subsection (a), the employer shall provide hands free portable personal lighting in addition to area lighting in order to achieve illumination levels listed in Table 1.

(c) Area lighting provided shall be set up in a manner that minimizes glare to workers and shall not interfere with the vision of on-coming motorist (e.g. providing glare avoidance screens, varying the beam angle, shielding). Possible note, subsection (c) will be removed pending historical review of citations issued.

(d) Safety hazards unique to operations that take place between sunset and sunrise shall be identified and communicated to employees. Employer shall at minimum address the following hazards:

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~~(1) Mobile farm equipment, motor vehicles and pedestrian traffic on farm roads and work adjacent to public roads.~~

~~(2) Designation of safe areas for employees to gather during start and end of work and breaks~~

~~(3) Lighting of water hazards~~

~~(4) Pest and animal hazards~~

~~Note to (c): The measures required here may be integrated into the employer's written Injury and Illness Prevention Program required by section 3203, or maintained in a separate document.~~

(b) Safety meetings. Supervisory employees shall conduct a safety meeting at the beginning of each shift to inform employees of the location of the restrooms, drinking water, designated break areas, nearby water bodies, and high traffic areas.

Note: Safety meetings are part of the implementation of Section 3203 (a)(3).

(c) The employer shall provide and require workers to wear Class 2 high visibility garments meeting the requirements of Section 3380 (e) and conforming to specifications of ANSI/ISEA 107-2004 for work activities between sunset and sunrise.

Note to subsection (c): See sections 3380 and 3383(b)

Authority cited: Section 142.3, Labor Code. Reference: Section 142.3, Labor Code.