

**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.~~

Note to subsection (g): See Section 3449 for illumination requirements for working near agricultural equipment during hours of darkness.

(h) 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,  
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§3449. Agricultural Operations During Hours of Darkness (Between Sunset and Sunrise)

(a) Illumination. Outdoor 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>	<u>Areas or Tasks</u>
<u>3</u>	<u>Meeting area and meal/rest area</u>
<u>5</u>	<u>General safety during outdoor agricultural operations</u> <u>Pathways leading to and around restrooms and drinking water</u> <u>Inside restroom facilities</u> <u>Storage areas accessed by employees</u> <u><b>Areas within 25 feet of agricultural equipment</b></u>
<u>10</u>	<u><b>Exposed point of operation and moving parts of agriculture equipment, covered under Group 8. Points of Operation and Other Hazardous Parts of Machinery and Group 6. Power Transmission, Prime Movers, and Machine Parts of the General Industry Safety Orders</b></u> <u><b>Active agricultural operations i.e. harvesting and irrigation work</b></u>
<u>20</u>	<u>Maintenance work on equipment</u>

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

**Exception to (a): Vehicles traveling through farm roads equipped with functioning headlights in accordance with 3441(g) and industrial trucks meeting Section 3650(i).**

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

(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).

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(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, **which is hereby incorporated by reference**, for work activities between sunset and sunrise.

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

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