



Department of Pesticide Regulation



Winston H. Hickox
Secretary for
Environmental
Protection

James W. Wells, Director
830 K Street • Sacramento, California 95814-3510 • www.cdpr.ca.gov

Gray Davis
Governor

January 27, 1999

ENF 99-007

TO: County Agricultural Commissioners

SUBJECT: UPDATE TO LIST OF ENCLOSED CABS ACCEPTABLE FOR
RESPIRATORY PROTECTION

The U.S. Environmental Protection Agency has accepted the enclosed cab standard established by the American Society of Agricultural Engineers (ASAE) as meeting the requirements for enclosed cabs contained in the Worker Protection Standard. To recognize this advance in California, the Department of Pesticide Regulation (DPR) has drafted a revision to existing regulations. This revision is anticipated to be formally adopted into regulation in the spring of 1999.

In the interim, this is to notify you that enclosed cabs certified by the manufacturer as meeting the ASAE standard are recognized by the Director as acceptable in California. Cabs designed to meet the criteria of the ASAE standard will exceed all the criteria required in the past (cab air-purification system, operate with positive pressure, specified cleaning schedule, and require and log maintenance to maintain the protection according to an owner's manual).

Attached is the updated list of enclosed cabs acceptable for respiratory protection. Please note the Roco Company, manufacturer of the Pureair Model 8000 Cab, has gone out of business. Consequently, this cab has been removed from the list. The Pureair Model 8000 Cab cannot continue to be used for respiratory protection, since there is no longer factory support for preventive maintenance materials or parts.

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If you have questions regarding the ASAE standard of acceptability, please contact Mr. Roy Rutz, of DPR's Worker Health and Safety Branch, at (916) 445-4279, or Mr. Dennis Gibbons, of DPR's Worker Health and Safety Branch, at (916) 445-4270. For questions regarding the conditions for compliance, please contact your Senior Pesticide Use Specialist.

Sincerely,



Charles M. Andrews, Chief
Pesticide Enforcement Branch
(916) 445-3852

Attachment

cc: Mr. Daniel J. Merkley, County Agricultural Commissioner Liaison
(w/attachment)
Mr. Roy Rutz (w/attachment)
Mr. Dennis Gibbons (w/attachment)

Department of Pesticide Regulation
Worker Health and Safety Branch

LIST OF ENCLOSED CABS ACCEPTABLE FOR RESPIRATORY PROTECTION

1. **Cabs certified by the manufacturer to meet the American Society of Agricultural Engineers Standards (ASAE) S525-1.1 NOV97 and S525-2 NOV97.**

American Society of Agricultural Engineers
2950 Niles Road
St. Joseph, MI 49085-9659
Phone: (616) 429-0300
Fax: (616) 429-3852
e-mail: hq@asae.org
Internet: www.asae.org

Contact: Sandee Martin
Phone: (616) 428-6324

Note: The Department of Pesticide Regulation (DPR) is drafting regulations to recognize cabs certified by the manufacturer to meet the ASAE standards as acceptable for respiratory protection during pesticide application in California. This standard does not apply to protection from fumigants. For questions, contact Roy Rutz at (916) 445-4279, or Dennis Gibbons at (916) 445-4270.

Major features of cabs meeting the ASAE standards:

a. Air Purification System and Maintenance Instructions.

- Cab must incorporate an air purification system and instructions covering continued protection.

b. Positive Pressure.

- Cab must operate under a positive pressure.

c. Cleaning Schedule.

- A cleaning schedule must be specified.

d. Documentation.

- Air-purification system maintenance must be recorded. The entries will document the installation date and corresponding engine hour meter reading and when the next scheduled maintenance is required.

Notes: Added to list November 1998.

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LIST OF ENCLOSED CABS ACCEPTABLE FOR RESPIRATORY PROTECTION
(continued)

2. Nelson Spray Cab.

Nelson Spray Cab
Nelson Mfg. Co., Inc.
2860 Colusa Hwy.
Yuba City, CA 95993

Contact: Bob Nelson
Phone: (530) 673-0919

Summary of Manufacturer's Specific Instructions to be followed during pesticide application (per Operators Manual OM-SC1190, dated November 1, 1990, or later version).

a. Air Purification System Maintenance:

- Pre-filter must be cleaned or replaced daily.
- HEPA air-purification element must be replaced every 400 hours, or 3 months.
- Carbon replaced every 100 hours or 2 weeks.

b. Positive Pressure:

- Cab pressure must be greater than 0.03 inches of water gauge pressure with doors closed and system operating.

c. Cleaning Schedule:

- Clean exterior and interior weekly.
- Maintain interior free of accumulation of visible dirt and contamination.

d. Documentation:

- The Operator's Manual and a log book must be kept in the cab. The log book must show when servicing and cleaning were last performed and when the air purification system maintenance is next due.

Notes: Added to list January 1991.

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LIST OF ENCLOSED CABS ACCEPTABLE FOR RESPIRATORY PROTECTION
(continued)

3. **Lift-Top Cabs (Model "C" or "D") designed for the specific make and model of tractor.**

LIFT-TOP CAB
1902 McKinley Avenue
Yakima, WA 98902

Contact: Jim or Darlene Rathjen
Phone: (509) 457-4150
Fax: (509) 457-3424

Summary of Manufacturer's Specific Instructions to be followed during pesticide application (per Operator's Manual RLTC-1, dated OM1293, or later version).

a. Air Purification System Maintenance:

- Cab must be equipped with air-purification element #C100.
- Pre-filter must be cleaned daily.
- Air-purification element must be cleaned or replaced if cab pressure falls below 0.03 inches water gauge pressure.
- Air-purification element #C100 must be replaced every 80 hours, at the end of spray season, or whenever odor, taste, or other sign of contamination is detected.

b. Positive Pressure:

- Cab pressure must be greater than 0.03 inches of water gauge pressure with doors closed and system operating.

c. Cleaning Schedule:

- Clean exterior and interior weekly.
- Maintain interior free of accumulation of visible dirt and contamination.

d. Documentation:

- The Operator's Manual must be kept in the cab. All air-purification element maintenance must be recorded in the Operator's Manual. The entry will document the installation date and corresponding tractor hour meter reading and when the next scheduled maintenance is required.

Notes: Added to list October 1995.

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LIST OF ENCLOSED CABS ACCEPTABLE FOR RESPIRATORY PROTECTION
(continued)

4. John Deere 4700 Sprayer.

John Deere Product Engineering Center.
P.O. Box 8000
Waterloo, IA 50704

Contact: Norm West
Phone: (319) 292-8713

Summary of Manufacturer's Specific Instructions to be followed during pesticide application (per Operator's Manual # OMN200640 K7, dated December 1997, or later version).

a. Air Purification System Maintenance:

- Cab must be equipped with air-purification elements # RE 71210 (fresh air) and # RE 70743 (recirculated air).
- Air purification elements must be cleaned or replaced if cab pressure falls below 0.25 inches water gauge pressure.
- Air-purification elements # RE 71210 and # RE 70743 must be replaced every 500 hours, at the end of the spray season, and whenever odor, taste, or other indication of contaminant is detected.

b. Positive Pressure:

- Cab pressure must be greater than 0.25 inches of water gauge pressure with doors closed and system operating.

c. Cleaning Schedule:

- Clean exterior and interior weekly.
- Maintain interior free of accumulation of visible dirt and contamination.

d. Documentation:

- Air -purification system maintenance must be recorded on the Maintenance Decal located on the window in the cab. The entries will document the installation date and corresponding engine hour meter reading and when the next scheduled maintenance is required.

Notes: Added to list March 1998.