

NEW RECORD KEEPING REQUIREMENTS FOR AERIAL APPLICATORS

Effective May 1, 2009 the record keeping requirements for aerial applicators have been updated to include the time each application was completed and each day of application recorded as a separate record. Regulation changes are notated in **red** in below:

SECTION .1000 - AERIAL APPLICATION OF PESTICIDES

02 NCAC 09L .1002 GENERAL REQUIREMENTS

(a) All agricultural aircraft operations in North Carolina shall comply with the Federal Occupational Safety and Health Act of 1971 (OSHA), the North Carolina Occupational Safety and Health Law, all regulations promulgated thereunder and the Federal Aviation Regulations part 137. In any case of conflict, a provision of the aforementioned authorities takes precedence over any of these Rules.

(b) Each aerial application business shall have a licensed contractor. The contractor shall be responsible for the compliance of the business with the North Carolina Pesticide Law of 1971 and all regulations promulgated thereunder except where the responsibility is specifically designated to another person(s) by these Rules.

(c) All agricultural aircraft operations (pilot or contractor) shall keep a written record to be completed within 72 hours after each application. This requirement must be fulfilled **as soon as** requested by an employee of the Pesticide Section for the purposes of a pesticide incident investigation. The record shall show the following:

- (1) name of contractor;
- (2) name and address of the person for whom the pesticide was applied;
- (3) identification of farm or land sites treated with pesticide(s);
- (4) name of crop which was treated;
- (5) total number of acres treated;
- (6) **the year, month, date, and the specific time of day when each pesticide application was completed;**
- (7) the brand name of the pesticide(s) and EPA registration number;
- (8) amount of formulated product or active material applied per acre (must specify);
- (9) total gallons or pounds per acre of the final tank mix applied per acre;
- (10) name of pilot;
- (11) signature of person completing this record.

(d) **Each day of application shall be recorded as a separate record.**

(e) The pilot shall, prior to application, learn and confirm:

- (1) the boundaries and exact location of the target area(s),
- (2) the identity of nontarget areas and safety hazards located on or adjacent to the target areas.

(f) Spray and spreading equipment shall be rinsed after each agricultural aircraft operation except when the next agricultural aircraft operation will be made using the same pesticide, or if another pesticide, one which by its manufacturer's recommendations is compatible with that previously in the equipment, and will not result in any adverse effects or illegal residues. Rinsing shall be conducted in an area where an environmental hazard will not be created by the drainage or disposal of waste materials and conducted with methods which will not create an environmental or human hazard.

(g) During application, the flow and mixture of the pesticide(s) shall be uniform. Pilots and contractors shall utilize equipment which will maintain a uniform mixture and flow during application.

(h) Pilots and contractors shall use and operate, in any agricultural aircraft operation, aircraft equipped with spray or spreading equipment suited, according to its manufacturer's recommendations for the pesticide(s) to be applied. All aerial spray or spreading equipment shall be free of leaks and shall have a positive shutoff system to prevent leaking and dissemination of pesticides on any nontarget areas over

which the flight is made. Such equipment shall not allow spillage, dripping and backflow or create a hazard from vapors or drift.

(i) The loading area shall be kept reasonably free of pesticide contamination.

(j) No pesticide(s) shall be applied by an aerial applicator while any persons other than those assisting in the application are in the target area.

(k) The shape of the tank or hopper of the spray or spreading equipment shall be such as to allow complete drainage during flight and on ground.

(l) The contractor or pilot shall immediately notify the Secretary of the Board, or designated alternate, of any emergency or accidental release of pesticide(s) from the application or auxiliary equipment. They shall provide the following information:

- (1) the name of the pilot,
- (2) the contractor involved,
- (3) the name of the property owner or operator,
- (4) the location of the incident,
- (5) the name of the pesticide,
- (6) the estimated amount of pesticide involved,
- (7) the estimated size of the area that received the spill,
- (8) the description of what is located within 300 feet from the edge of the spill in all directions,
- (9) the number of humans or animals known to have been contaminated,
- (10) the weather conditions at the site of the emergency or accidental release of pesticide(s).

History Note: Authority G.S. 143-458; 143-463; 143-466;
Eff. July 2, 1976;
Amended Eff. **May 1, 2009**; February 1, 1989; January 1, 1985; August 1, 1982; March 1, 1981.

Also effective May 1, 2009 under **NC Pesticide Regulations, Section .1800 WORKER PROTECTION STANDARDS FOR AGRICULTURAL PESTICIDES**, new regulation .1807 requires specific record keeping and display information for agricultural applications:

02 NCAC 09L .1807 SPECIFIC INFORMATION ABOUT APPLICATIONS

(a) Concerning application information requirements contained in Sections 170.122 and 170.222 the following is also required to be completed by the agricultural employer:

- (1) In addition to the requirements of Sections 170.122(c)(3), and 170.222(c)(3), the specific time of day when each pesticide application was completed must be recorded immediately upon completion of the application. Each day of the application shall be recorded as a separate record.
- (2) After the application information referenced in 1807(a)(1) and the other information in Sections 170.122(c) and 170.222(c) has been displayed for the required period of time in Section 170.122(b) and 170.222(b), the agricultural employer shall maintain the information for a period of two years from the specific time of day when each pesticide application was completed. Such information shall be available for inspection and copying by the Board or its agents upon their request.

(b) In addition to information contained in Section 170.224(b), the handler employer must make the agricultural owner aware of the specific time of day when each pesticide application was completed. The agricultural employer shall display the information immediately and shall make it part of the record required to be maintained in paragraph (a)(1) and (2) of this part.

For more information please contact the NCDA & CS – Pesticide Section, Compliance Monitoring & Field Operations at (919) 733-3556.