Sutter County Department of Agriculture
Aerial Application Propanil Permit Conditions

1. No emulsifiable concentrate formulation shall be applied in Sutter County north of Sankey Road.

2. Follow California Code of Regulations, Sections 6460 and 6462 pertaining to Propanil. (attached)

3. Applications using aircraft shall be made in accordance with the following requirements:

   (1) Aerial applications shall not be made within four (4) miles of cultivated commercial plantings of prunes.
   (2) No more than 720 acres may be treated by aircraft each day.
   (3) Each operating aircraft nozzle shall produce a droplet size, in accordance with the manufacturer's specifications, not less than 600 microns volume median diameter (Dv0.5) with not more than ten (10) percent of the diameter by volume (Dv0.1) less than 200 microns.
   (4) All aerial equipment shall be verified to meet the requirements of number (3) above. This shall be done annually, prior to the use season.

4. No ***Aerial*** application shall be made when the wind velocity is greater than **7 MPH** at the application site or as required by the registered label, whichever is the most restrictive. Wind measurements shall be made four (4) feet above the crop being treated.

5. Not more than one (1) quart per acre of a petroleum-based crop oil concentrate or vegetable oil may be added.

6. **REMINDER- Pesticide Use Reporting of Propanil is required for all applications.**

7. **Notice of Intent (NOI) Procedures (Only accepted up to 7 days in advance):**

   1. A 24 Hour NOI is required and shall be day and site specific.

   2. RENOTICE: Is required if the application **does not begin on the intended application date. Please notify the Ag. Comm. Office in the event that a proposed application is cancelled.**

   3. PCO's must **call by 10:00 a.m. at least two days prior** to the intended day of application.

   4. Growers/PCO's filing NOI's must also leave a phone number where they can be reached.

   5. Growers/PCO's filing NOI's should limit their NOI acreage based on their application capability.

_____ _____

PERMITTEE SIGNATURE DATE:

_____ _____

AGRICULTURAL BIOLOGIST'S SIGNATURE DATE:

Revised: 3/28/2005

6460. Drift Control.

Unless expressly authorized by permit issued pursuant to section 6412, no liquid Dicamba, 2,4-dichlorophenoxyacetic acid, 2,4-dichlorophenoxybutric acid, 2,4-diclorophenoxypropionic acid, 2-methyl-4-chlorophenoxyacetic acid, or Propanil herbicide shall be:

(a) Discharged more than ten feet above the crop or target. Discharge shall be shut off whenever it is necessary to raise the equipment over obstacles such as trees or poles.

(b) Applied when wind velocity is more than ten miles per hour.

(c) Applied by aircraft except as follows:

- (1) The flow of liquid to aircraft nozzles shall be controlled by a positive shutoff system as follows:
    - (A) Each individual nozzle shall be equipped with a check valve and the flow controlled by a suckback device or a boom pressure release device; or

(B) Each individual nozzle shall be equipped with a positive action valve.

(2) Aircraft nozzles shall not be equipped with any device or mechanism which would cause a sheet, cone, fan, or similar type dispersion of the discharged material except as otherwise provided.

(3) Aircraft boom pressure shall not exceed 40 pounds per square inch.

(4) Aircraft nozzles shall be equipped with orifices directed backward parallel to the horizontal axis of the aircraft in flight.

(5) Fixed wing aircraft and helicopters operating in excess of 60 miles per hour shall be equipped with jet nozzles having an orifice of not less than one-sixteenth of an inch in diameter.

(6) Helicopters operating at 60 miles per hour or less shall be equipped with:

- (A) Nozzles having an orifice not less than one-sixteenth of an inch in diameter. A number 46 (or equivalent) or larger whirlplate may be used; or

(13) Fan nozzles with a fan angle number not larger than 80 degrees and a flow rate not less than one gallon per minute at 40 pounds per square inch pressure (or equivalent); or

- (B) The Microfoil (R) boom (a coordinated spray system including airfoil-shaped nozzles with each orifice not less than 0.013 inches in diameter) or equivalent type approved by the director. Orifices shall be directed backward parallel to the horizontal axis of the aircraft in flight.

(d) Applied by ground equipment except as follows:

- (1) Ground equipment other than handguns shall be equipped with:
    - (A) Nozzles having an orifice not less than one-sixteenth of an inch in diameter or equivalent, and operated at a boom pressure not to exceed 30 pounds per square inch; or

(B) Low pressure fan nozzles with a fan angle number not larger than 80 degrees and fan nozzle orifice not smaller than 0.2 gallon per minute flow rate or equivalent, and operated at a boom pressure not to exceed 15 pounds per square inch.

6462. Propanil.

The provisions of this section apply to propanil used in Butte, Colusa, Glenn, Placer, and Yuba counties; the portion of Sutter County situated north of Sankey Road; and the portion of Yolo County situated north of State Highway 16.

(a) No emulsifiable concentrate formulation shall be applied.

(b) Applications using aircraft shall be made in accordance with the following requirements:

(1) Aerial applications shall not be made within four miles of cultivated commercial plantings of prunes.

(2) No more than 720 acres may be treated by aircraft within each county per day.

(3) Each operating aircraft nozzle shall produce a droplet size, in accordance with the manufacturer's specifications, not less than 600 microns volume median diameter (Dv0.5) with not more than ten percent of the diameter by volume (Dv0.1) less than 200 microns.

(c) Notwithstanding (b)(1), the Butte county agricultural commissioner may allow the California Rice Research Station to make aerial applications within four miles of cultivated commercial plantings of prunes according to a work plan submitted to and approved by the Butte county agricultural commissioner. The work plan shall include: the largest individual site that may be treated per application; total acres that may be treated per day which shall not exceed 45 acres; the minimum distance that must be maintained from cultivated commercial plantings of prunes and the application site; and any additional procedures to protect cultivated commercial plantings of prunes within four miles of the application site.

(d) Applications using ground equipment shall be made in accordance with the following requirements:

(1) Ground applications shall not be made within one mile of cultivated commercial plantings of prunes, except as provided in (A) and (B) below.

(A) The commissioner may allow applications to be made to sites not less than one-half mile from cultivated commercial plantings of prunes if the following requirements are met:

1. Prior to the application, the operator of the property shall provide to the commissioner a recommendation written by a licensed pest control adviser stating there are no other feasible pest management alternatives;

2. Onsite monitoring of wind speed and wind direction shall be conducted by the applicator in a manner approved by the commissioner throughout the entire application. A record of recorded data shall be retained for one year; and

3. A positive airflow away from cultivated commercial plantings of prunes is present throughout the entire application.

(B) The commissioner may allow applications to be made to sites less than one-half mile from cultivated commercial plantings of prunes when the following requirements are met in addition to the requirements of (A):

1. The commissioner shall provide onsite monitoring of all applications.

2. The commissioner shall provide for notice to, and opportunity to comment by, any owner of cultivated commercial plantings of prunes within one-half mile of the application.

(2) Each operating nozzle shall produce a droplet size, in accordance with the manufacturer's specifications, not less than 500 microns volume median diameter (Dv0.5) with not more than ten percent of the diameter by volume (Dv0.1) less than 200 microns.