



BUTTE COUNTY
DEPARTMENT OF AGRICULTURE / WEIGHTS & MEASURES
316 Nelson Ave.
Oroville, CA 95965
530-552-4100

PHENOXY/DICAMBA CONDITIONS

The following permit conditions apply to Dicamba; 2, 4-dichlorophenoxyacetic acid; 2, 4-dichlorophenoxybutric acid; 2, 4-dichlorophenoxypropionic acid and 2-methyl-4-chlorophenoxyacetic acid (MCPA) herbicides when used in non-orchard site applications below 1,000 feet elevation.

General Conditions

- A 24-hour Notice of Intent is required for all applications. (CCR 6434)
- No applications shall be made when the temperature at four (4) feet above the ground exceeds 90 degrees Fahrenheit or as required by the registered product use label, whichever is the most restrictive.
- Each operating nozzle shall produce a droplet size, in accordance with the manufacturers' specifications, not less than 500 microns volume median diameter (Dv0.5) with ten (10) percent of the diameter by volume (Dv0.1) not less than 200 microns.
- No herbicide in an ester form shall be applied, unless expressly authorized by a permit issued by the commissioner. (CCR 6424(2))
- No application shall be made on any area situated within two miles of any cultivated commercial vineyard or cotton planting belonging to any person other than the owner of the property being treated unless there is a continuous airflow away from such planting, but in no case shall any application be made within one-half mile of such plantings. (CCR 6464 (8))
- Fixed-wing aircraft and helicopter applications are prohibited between March 16 – October 15 of each calendar year.

Ground Conditions - General Drift Minimization

A. Vehicle-mounted or towed ground equipment, other than handguns, used to make applications shall be equipped with:

1. 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 the manufacturer's recommended pressure for the nozzles being used; or
2. Low-pressure fan nozzles with a fan angle number not larger than 80 degrees and nozzle orifice not less than 0.2 gallon per minute flow rate (or equivalent) and operated at a boom pressure not to exceed 15 pounds per square inch.

B. Applications of a pesticide spray solution made by vehicle-mounted or towed ground equipment shall meet the following requirements:

1. Apply only when wind speed is 10 miles per hour or less at the application site, as measured by an anemometer positioned four feet above the ground.
2. Discharge shall start after entering the target site; discharge shall be shut off before exiting the target site.

Aerial Conditions - General Drift Minimization

Fixed-wing aircraft and helicopter applications may only occur from October 16 – March 15 of each calendar year.

A. Aircraft application equipment used to apply a pesticide spray solution shall be configured as follows:

1. Functional boom length, measured from outboard nozzle to outboard nozzle, shall not exceed 75% of the overall wing span or rotor length.
2. Boom pressure shall not exceed the manufacturer's recommended pressure for the nozzles being used.
3. The flow of liquid from each nozzle shall be controlled by a positive shutoff system.
4. Nozzle orifices shall be directed backward neutral to the airstream.
5. Aircraft shall be equipped with:
 - (a) Jet nozzles having an orifice of not less than one-sixteenth of an inch in diameter. 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 helicopters operating at 60 miles per hour or less may add a number 46 (or equivalent) or larger whirlplate
 - (b) Helicopters operating at 60 miles per hour or less many instead of (1) be equipped with 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
 - (c) After evaluation, the director may authorize other nozzles for aircraft use.

B. A Aerial applications of a pesticide spray solution shall meet the following requirements:

1. Apply only when there is a positive air flow. Wind speed shall not be more than ten miles per hour at the application site, as measured by an anemometer positioned four feet above the ground.
2. Discharge shall start after entering the target site; discharge height shall not exceed ten feet above the crop or target; discharge shall be shut off whenever necessary to raise the equipment over obstacles; discharge shall be shut off before exiting the target site.