



COUNTY OF GLENN
DEPARTMENT OF AGRICULTURE
720 N. Colusa Street, Willows CA 95988
530-934-6501 -- Fax 530-934-6503
Website: www.countyofglenn.net

Jim Donnelly
Agricultural Commissioner
Sealer of Weights & Measures

#9
REVISED 12/2013

RICE PESTICIDE PERMIT CONDITIONS

Clincher CA® Permit Conditions

General Conditions:

1. A **Permit** must be obtained from the Glenn County Agricultural Commissioner prior to any use of Clincher CA® in Glenn County.
2. A **Notice of Intent (NOI)** is required for all applications of Clincher CA®:
 - A NOI is required and shall be day and site specific
 - Growers/PCO's must **submit NOI's 48 hours prior** to the intended day of application of Clincher® CA.
 - Persons filing the NOI's for the Clincher CA® must call the NOI line at (530) 934-6569 or may FAX their NOI's to (530) 934-6503.
 - All Requirements of the Food and Agricultural Code and Title 3, California Code of Regulations that apply to the use of restricted materials shall apply to the use of Clincher® CA.
3. Only Adjuvants approved by Dow Agro Sciences may be used with Clincher® CA. These are identified as follows: Agri-Dex, IAP Pro COC and Mor-Act.

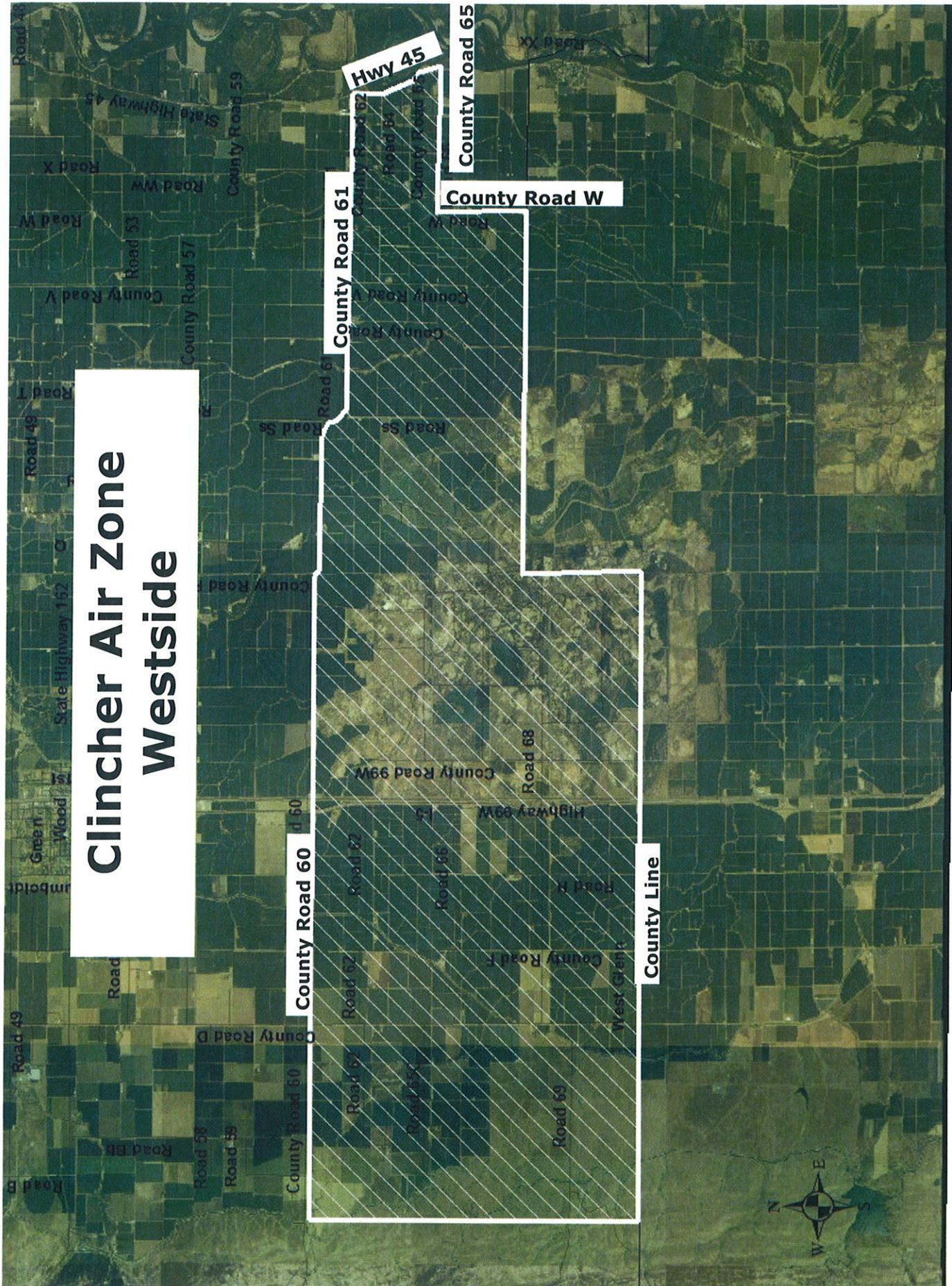
Aerial Applications:

1. Aerial applications of Clincher CA® will only be allowed in the Clincher CA® aerial spray zones within Glenn County (refer to maps for area) and under use recommendations by Dow AgroSciences adopted as permit conditions within Glenn County.
 - Planes and pilots must be certified prior to making applications of Clincher CA® within the Clincher aerial spray zones.
 - For all aerial applications of Clincher CA®, use only a spray adjuvant on the Dow AgroSciences approved list and water. No other material may be used in the mix solution.
 - Apply using fixed wing aircraft only.
 - Wet booms must be fitted with flat fan 4015 spray tips set at 0° deflection.
 - Minimum wind restriction is **3 mph and maximum wind restriction is 7 mph**, measured at 4 feet above the crop canopy.
 - Do not apply when the temperature is greater than 85° F.

Ground Applications:

1. All Pest Control Operators (PCO's) and Private Applicator's using ground application equipment must attend a Clincher® CA stewardship training program provided by Dow Agro Sciences prior to any application of Clincher® CA.
2. Ground applications of Clincher CA® shall be made with a **minimum wind velocity of three (3) mph to a maximum wind velocity of 10 mph.**
3. No applications of Clincher CA® shall be made within 50 feet of any non-target cereal and grass crops.
4. Refer to product labeling for additional requirements. As provided in the California Code of Regulations, the agricultural commissioner may suspend any Clincher CA® applications in anypart of the county if symptoms of Clincher CA® damage to sensitive crops (any crop other than rice) begin to appear.

Clincher Air Zone Westside



Clincher Air Zone

Hwy 48

Highway 48

Agua Fria

Road 50

Road Z

Road Z

Prut

Highway 162

State Highway 162

Hwy 162

Eastside





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BOLERO PERMIT CONDITIONS AND ABOLISH 8EC

Growers using **Abolish/Bolero** must attend a training course and become certified in water management requirements before it may be used.

- The use of **Bolero 10G** formulation in all counties is prohibited.

For all aerial applications within 1/2 mile of the Sacramento River:

- Applications shall occur when the wind speed is 7 mph or less and wind direction is away from the river.
Seepage: The following seepage control requirements apply to all rice pesticides having mandatory water holding requirements such as thiobencarb, etc. Non-compliance with seepage requirements is considered a water-holding violation.
 - Rice pesticides, such as thiobencarb, shall not be applied to rice fields exhibiting visible water seepage that moves off site into drains that are considered state waters.
 - Borders surrounding each rice field shall be constructed before water is allowed to fill the field; the degree of compaction shall be sufficient to prevent water from seeping through the border. For example, compaction may be achieved by driving the tire or tracks of a tractor, or other heavy vehicle, on one side of the border or construction a compacted roadway.
 - A common border between two existing rice fields does not need to be compacted.
 - This requirement applies to new or re-worked existing borders for the current rice season.
1. A notice of intent (NOI) must be submitted at least 24 hours prior to application.
 2. A notice of application (NOA) must be submitted within 24 hours of the completion of the application.
 - A. This notification must include grower, permit number, site number, road location of field, acres treated and material applied.
 - B. The NOA may be submitted by the pest control operator when Bolero is applied.
 - C. The NOA must be submitted by the grower if Abolish is applied because the water holding period starts when the tailwater reaches the end tailbox.
 3. **Restricted granular pesticides drifting onto levees or roadways adjacent to or in waterways (i.e. drains) will be considered environmental contamination. Applicators found in violation will be liable for a civil penalty.**
 4. The water holding period for **BOLERO** shall be:
 - A. Thirty (30) days or 720 hours for property that does not employ tailwater recovery systems or ponding water.
 - B. Nineteen (19) days or 456 hours where treated field water is contained within a tailwater recovery system or where irrigation water is ponded in ways that are appropriate for reducing residues. The County Ag Commissioner will determine which acreages qualify.
 - (1) If the system is under the control of one permittee, treated water may be discharged from the application site in a manner consistent with product labeling.
 - (2) If the system is under the control of more than one permittee, treated water may be discharged from the application site 7 days following application.
 - C. If set aside ground is used as ponding, a 6:1 ratio for treated:ponded acreage should be adequate for reducing residues.
 - D. *If irrigation water is added to the field that had been treated, that irrigation water must be held in the field for the remainder of the water holding period.

5. All areas, fields treated with **Abolish 8EC using the "preflood surface" and early post emergence** methods:
 - A. All water on treated fields must be retained on the treated fields for at least 19 days following application unless the water is contained within a tailwater recovery system, ponded on fallow land, or contained in other systems appropriate for preventing discharge. The system may discharge 20 days following the last application within the system.
 - (1) If the system is under the control of one permittee, treated water may be discharged from the application site in a manner consistent with product labeling.
 - (2) If the system includes drainage from more than one permittee, treated water may be discharged from the application site into the system 7 days following application.
 - B. Fields not specified in 5.A(1) and 5.A(2) may resume discharging field water 20 days following application at a volume not to exceed two inches of water over a drain box weir. Unregulated discharges from these fields may then resume after 7 days.
 - C. If irrigation water is added to the field that had been treated, that irrigation water must be held in the field for the remainder of the water holding period.
6. No emergency releases of rice tailwater will be authorized for Bolero or Abolish applications except for high salinity levels. See attachment #2, Supplement To Water Management Requirements For Thiobencarb - 2002
7. Holding the water shall mean:
 - A. All boards must be in place in each tailbox and maintained in such a manner as to prevent water spillage.
 - B. Soil must be used to prevent pesticide treated rice field water from contacting the drain box boards. The box must either be filled with soil or a berm must be constructed to assure an above water soil barrier exists between the field and the box. This will also reduce the possibility of leakage caused by animal activity.
 - C. No spillage of water over the boards is allowed.
8. When the water is released after the holding period it should be released as slowly as possible. Do not exceed two (2) inches of water over a drain box weir for the first seven (7) days.
9. Ground applications: Ground applications of liquid Thiobencarb shall be applied as per label instructions.
10. The following restrictions apply only if Abolish 8EC (Thiobencarb) is applied by air.
 - A. Equipment - equipment shall be leak proof with flow of liquid to nozzles controlled by a positive shut-off system whereby each individual nozzle is equipped with a check valve and the flow of liquid controlled by a suck-back device or a boom pressure release device; or each individual nozzle equipped with a positive action valve.
 - B. Fixed wing aircraft and helicopters operating in excess of 60 mph shall be equipped with jet nozzles shaving an orifice not less than 1/16 inch in diameter. Orifices shall be directed backward parallel to the horizontal axis of the aircraft in flight.
 - C. Helicopters operating at 60 mph or less shall be equipped with either:
 - (1) Nozzles having an orifice not less than 1/16 inch in diameter. Orifices shall be directed backward parallel to the horizontal axis of the aircraft in flight; or a No. 46 (or equivalent) or larger whirlplate may be used.
 - (2) The Microfoil ® boom (a coordinated spray system including air foil shaped nozzle 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.
 - (3) Fan nozzles with a fan angle number not larger than 80 degrees and a flow rate not less than one (1) gallon per minute at 40 pounds PSI (or equivalent).
 - D. Wind speed: do not apply Bolero or Abolish 8EC by air if wind speed is greater than 7 mph to avoid drift into drains and ditches.
 - E. Pressure: nozzle pressure on aircraft shall not exceed 40 pounds PSI.
 - F. Elevation: no Abolish 8EC shall be applied more than ten (10) feet above the crop. Discharge shall be shut off whenever it is necessary to raise the equipment over obstacles such as trees or poles.
 - G. The working boom length on fixed wing aircraft shall not exceed 3/4 of the wing span and the working boom length on helicopters shall not exceed 6/7 of the total rotor length or 3/4 of the total rotor length where the rotor length exceeds forty (40) feet.
11. It is very important that these conditions are followed in order to protect the future use of this material.
12. Remember use reports must be submitted by grower if grower applied, or by PCO's if applied by a PCO.
13. Seepage control requirements:
 - A. Growers shall not allow water to seep through borders surrounding rice fields.
 - B. Borders surrounding each rice field shall be compacted before water is allowed to fill the field; the degree of compaction shall be sufficient to prevent water from seeping through the border. For example, compaction may be achieved by driving the tires or tracks of a tractor, or other heavy vehicle, on one side of the border.
 - C. A common border between two existing rice fields does not need to be compacted.
 - D. This requirement applies to new or reworked existing borders for the current rice session.



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REGIMENT PERMIT CONDITIONS

General Conditions:

- A permit must be obtained from the Glenn County Agricultural Commissioner for both possession and use of Regiment CA® in Glenn County.
- A 24 hour Notice of Intent must be filed with the Glenn County Department of Agriculture prior to the application of Regiment CA®
- All Requirements of the Food and Agricultural Code and Title 3, California Code of Regulations that apply to the use of restricted materials shall apply to the use of Regiment CA® under permit in Glenn County.

Air Application:

1. No air application **within ½ mile** of walnut orchards.
2. All applications must take place during daylight hours.
3. No applications may take place during low-level inversion conditions. Inversion conditions begin to diminish after a 3 degree F temperature rise from the morning low. They may return after a 5 degree F drop in temperature in the afternoon. Application would be possible after the morning temperature rise and application should cease after a 5-degree drop in temperature in the afternoon. Wind conditions, mentioned below, could mitigate these guidelines.
4. Applications must take place with a minimum wind speed of at least **2 mph and not to more than 8 mph** as measured at a height of four feet above the ground. If sensitive crops or plants are downwind, extreme caution must be used under all conditions.
5. With the exception of No. 1 above, label buffer zones must be strictly adhered to. Use of a smoke column, or other method or device, shall be employed at the time and place of application to indicate temperature inversions and the direction and velocity of airflow.
6. For the duration of the application, the aerial applicator shall have an individual on the ground, at the site of application. They shall monitor conditions and have the ability to waive off the application in the event that conditions are unfavorable to proper application.

13. Applicators shall maintain a written log indicating air temperature, wind speed, and wind direction prior to beginning the application, and to be recorded every tank refill or hourly whichever occurs first, for each day of application. This log shall be kept for a minimum of one year after application and shall be made available for review by the Agricultural Commissioner's staff upon request.
14. Aircraft and pilots must be certified through Valent prior to making applications of Regiment CA®.

Ground Application:

- Follow label requirements for ground application equipment specifications and application parameters.

Residential Area / Princeton

1. All aerial applications of Regiment CA® that are within 2 miles of the residential area of Princeton shall only be applied when the wind is blowing away from this sensitive site.



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MALATHION SPECIAL USE REQUIREMENTS

1. The California Department of Food and Agriculture and State Water Quality Board request that you hold rice water treated with Malathion for four days (96 hours) to reduce the residues in State waters.
2. The following restrictions are requested to be followed when applying Malathion by air:
 - A. Equipment shall be leak proof with flow of liquid to nozzles controlled by a positive shut-off system whereby each individual nozzle is equipped with a check valve and the flow of liquid controlled by a suck-back device or a boom pressure release device; or each individual nozzle equipped with a positive action valve.
 - B. Fixed wing aircraft and helicopters operating in excess of 60 mph shall be equipped with jet nozzles having an orifice not less than 1/16 inch diameter. Orifices shall be directed backward parallel to the horizontal axis of the aircraft in flight.
 - C. Helicopters operating at 60 mph or less shall be equipped with either:
 - (1) Nozzles having an orifice not less than 1/16 inch in diameter. Orifices shall be directed backward parallel to the horizontal axis of the aircraft in flight; or a No. 46 (or equivalent) or larger whirl plate may be used.
 - (2) The Microfoil[®] boom (a coordinated spray system including air foil shaped nozzle 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.
 - (3) Fan nozzles with a fan angle number not larger than 80 degrees and a flow rate not less than one (1) gallon per minute at 40 pounds PSI (or equivalent).
 - (4) Pressure: nozzle pressure on aircraft shall not exceed 40 pounds PSI.
 - (5) Elevation: no Malathion shall be applied more than ten (10) feet above the crop. Discharge shall be shut off whenever it is necessary to raise the equipment over obstacles such as trees or poles.
 - (6) The working boom length on fixed wing aircraft shall not exceed 3/4 of the wing span and the working boom length on helicopters shall not exceed 6/7 of the total rotor length or 3/4 of the total rotor length where the rotor length exceeds forty (40) feet.