



COUNTY OF GLENN
DEPARTMENT OF AGRICULTURE
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Agricultural Commissioner
Sealer of Weights & Measures

#9A
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Emergency Release Conditions for Rice Irrigation Water Treated with Bolero (Thiobencarb)

Emergency release requirements (Salinity damage):

The county agricultural commissioner may authorize the emergency release of field water after a minimum 19-day water-hold period after the last **Thiobencarb** application, following the review of a written application that demonstrates salinity levels are damaging to the crop.

- A. Applicants for such emergency releases must provide the following information:
1. All information indicated on the emergency release request (Form A), including a description of the severity and extent of salinity damage.
 2. Electrical conductivity (EC) measurements, expressed as deciSiemens per meter (dS/m) or microSiemens per centimeter ($\mu\text{S}/\text{cm}$), from field water in each paddy suspected of having salinity problems. To most effectively demonstrate salinity problems, measurements should be taken wherever salinity problems are evident.
 3. The instrument (make and model) used to determine EC measurements. The instrument must have a sensitivity range that accommodates the full range of EC values in intake and paddy water (usually a range of 0-5.0 dS/m or 0-5,000 $\mu\text{S}/\text{cm}$ should be sufficient) and should have a resolution of not less than five percent. The instrument must be calibrated according to the manufacturer's instructions. The applicant must specify the method of temperature compensation (i.e., automatic, conversion table).
 4. Who made the EC measurements?
 5. The source of irrigation water (e.g., district supply canal, drainage canal, well, etc.).
- B. An emergency release may be granted only if all of the following conditions are satisfied:
1. All required information is provided.
 2. Water management requirements for rice pesticides other than thiobencarb are satisfied.
 3. EC of paddy water exceeds 2.0 dS/m or 2,000 $\mu\text{S}/\text{cm}$.
 4. The county agricultural commissioner or his/her staff inspects the site.
- C. Water may be released from paddies where EC measurements exceed 2.0 dS/m or 2,000 $\mu\text{S}/\text{cm}$ and from paddies down gradient from such paddies within the same field. Water shall only be released in an amount necessary to mitigate the salinity problem.
- D. Those issued an emergency release must submit to the county agricultural commissioner, a report (Form B) indicating the time and duration of the emergency release and data that can be used to calculate the total amount of water released during the emergency release.

FORM A

**RICE PESTICIDES WATER MANAGEMENT REQUIREMENTS,
Emergency Release Request Form**

Thiobencarb

Grower: _____ Permit No.: _____

Address: _____ Zip: _____

Field Location: _____ Site No.: _____

Chemical applied: _____ Chemical applied: _____

Rate of application: _____ Rate of application: _____

Date of application: _____ Date of application: _____

Average water depth
at time of application: _____ Average water depth
at time of application: _____

Starting date of emergency release: _____

Acres treated in field: _____ Laser leveled: Yes ___ No ___

Type of irrigation system: _____ Flow through ___ Recycle ___ Static ___ Other ___

Date flooding began: _____ No. of days it takes to fill field: _____

Describe problem that led to emergency release: _____

Steps that can be taken to prevent emergency releases from this field in future years: _____

Recommendation by (attached): _____

Applications by: _____

Grower's signature: _____ Date: _____

Approved by: _____

Agricultural Biologist

