

Section C.2

Recommended Permit Conditions for Rice Pesticides

Introduction This document provides recommended permit conditions for pesticide applications to rice.

Attachments This Appendix contains the following topics:

Subsection / Topic	See Page...
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C.2.1.1 – Data Reporting Guidelines for the Rice Pesticide Program	C-13.1
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Subsection C.2.1

Instructions to County Agricultural Commissioners on Rice Pesticide Permit Issuance

Introduction The Department of Pesticide Regulation (DPR), in cooperation with the Central Valley Regional Water Quality Control Board (CVRWQCB), developed recommended permit conditions to meet water quality management objectives for Malathion, Methyl Parathion, and Thiobencarb. These conditions reflect management practices required by current Board Resolution. DPR and CVRWQCB believe that use of these permit conditions will meet water quality management objectives for these rice pesticides.

Approved resolution The Central Valley Regional Water Quality Control Board (CVRWQCB) approved resolution is available for review at:
http://www.waterboards.ca.gov/centralvalley/adopted_orders/index.html

Rice Pesticide Water Monitoring and Annual Reporting

CRC responsibility The rice industry, via the California Rice Commission (CRC), will be responsible for leadership in water monitoring, annual reporting to the CVRWQCB, and coordinating the participation of all program stakeholders.

- The rice industry is ultimately responsible for meeting water quality objectives.
 - DPR, as a co-regulator with the water boards, will continue to use its authority to regulate the sales and use of pesticides to address water quality issues involving pesticides. DPR will continue to actively participate with CVRWQCB and the rice industry staff to address rice pesticide issues.
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Instructions to County Agricultural Commissioners on Rice Pesticide Permit Issuance, Continued

Seepage Mitigation Requirements

Seepage defined For purposes of mitigating seepage in rice production:

- Seepage is lateral movement of irrigation water through a rice field levee or border to an area outside the normally flooded production area. Seepage can occur through levees into adjacent dry fields or into adjacent drains and canals.

Seepage documentation DPR requests that county agricultural commissioners (CACs) continue monitoring for seepage when inspecting for water-holding compliance by:

- Checking for seepage, or collection of seepage, that occurs through the outer borders of a field or the bottom border located at the lowest part of the field.
- Using the water-holding inspection logs to document seepage observations. The Pesticide Use Monitoring Inspection Form (PR-ENF-104) may also be used to document seepage observations. Indicate “water-hold inspection” on the blank line under “application inspection.”
- Document in the “Remarks” section on either form: Seepage flow less than five gallons per minute, or seepage flow more than five gallons per minute.

Enforcement action Any visible seepage moving offsite during the water-holding period that drains into the waters of the State is considered an early release and is a water-holding violation. An enforcement action should be taken in accordance with 3 CCR section 6128.

Brochure Please continue to distribute the brochure, *Seepage Water Management, Voluntary Guidelines for Good Stewardship in Rice Production*, Publication 21568, to growers at the time of permit issuance.

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Instructions to County Agricultural Commissioners on Rice Pesticide Permit Issuance, Continued

Drift Minimization Requirements

Mitigation measures

- DPR will provide “focused” oversight inspection of thiobencarb aerial applications to monitor thiobencarb drift mitigation requirements.
 - DPR recommends all rice pesticide permits be conditioned with *General Drift Minimization* restrictions.
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Thiobencarb Drift Mitigation Requirements

Mandatory preseason thiobencarb stewardship training (applies to Sacramento Valley counties only)

- Restricted material permits for the use of thiobencarb should not be issued to growers who have not received CRC certification that they have attended a Thiobencarb Stewardship Meeting.
 - The CAC may certify a grower that did not attend a Thiobencarb Stewardship Meeting by having them view a video of the preseason Thiobencarb Stewardship Meeting.
 - DPR will provide “focused” oversight inspection of thiobencarb aerial applications to monitor thiobencarb drift mitigation requirements.
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Instructions to County Agricultural Commissioners on Rice Pesticide Permit Issuance, Continued

General Information

Malathion water management recommendations

CVRWQCB has approved a water management practice for malathion applied to rice that will help meet water quality performance goals for malathion in surface water. Malathion is currently not a restricted material and not subject to permit conditions. However, it is important that growers comply with the following water management practice:

- **All water from fields treated with pesticides containing malathion should be retained on the site of application or contained within a tailwater recovery system, or other system, adequate to prevent discharge to waters of the State for at least four days following application.**

Storm Event Work Group

The Communication Plan developed by the Storm Event Work Group will be utilized in the event of a severe storm occurrence. The Storm Event Work Group will continue to meet as needed. Currently, the work group is comprised of staff from the Regional Water Board, DPR, University of California, a reclamation district representative, CACs, and the rice industry. The California Rice Commission will take the lead in facilitating this group.

One-page summary

Table B summarizes the recommended water-holding permit conditions for thiobencarb. This summary can be used as a quick reference. Please refer to the specific permit conditions and pesticide labeling for a complete explanation of the requirements.

Topic	See Table
(Placeholder – for future use)	A
Rice Pesticides Water Management Requirements Summary (Water-holding permit conditions for malathion, methyl parathion, and thiobencarb)	B

Continued on next page

Instructions to County Agricultural Commissioners on Rice Pesticide Permit Issuance, Continued

**Emergency
release forms**

Form A is used for an emergency release request. Form B is used for reporting the emergency release. These DPR-suggested forms may be reproduced under county letterhead.

Topic	See Form
Rice Pesticides Water Management Requirements, Emergency Release Request Form	Form A
Rice Pesticides Water Management Requirements, Emergency Release Report Form	Form B

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TABLE A

(Placeholder – for future use)

Table B

Rice Pesticides Water Management Requirements Summary

Water must be held for the indicated number of 24-hour periods on site or containment before release into State waters	Bolero 15-G	Bolero UltraMax	Abolish 8EC	Methyl Parathion	Malathion
	Hold	Hold	Hold	Hold	Hold
Single field	30	30	19	24	4 (e)
Single field Southern area only (a)	19	19			
Release into tailwater recovery system or pond onto fallow field [Except Southern area (a)]	14 (b)	14 (c)	14 (b)		
Multi-growers & district release onto closed recirculating systems	6	6	6		
Multi-growers & district release onto closed recirculating systems in the Southern area (a)	6	6			
Release from closed recirculating system	19	19	19		
Release into area that discharge negligible amount into perennial streams	19	19	6 (d)		
Pre-flood application – Release onto tailwater recovery system etc.					
Emergency release of tailwater	19	19	19		
Commissioner verifies the hydrologic isolation of the fields	6	6	6		

a – Sacramento/San Joaquin Valley defined as: South of the line defined by Roads E10 and 116 in Yolo County and the American River in Sacramento County.

b – Thiobencarb permit condition allows Bolero 15G label hold period of 14 days.

c – Thiobencarb permit condition allows Bolero UltraMax label hold period of 14 days.

d – See hydrologic isolated fields.

e – Voluntary hold.

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

Subsection C.2.1.1

Data Reporting Guidelines for the Rice Pesticide Program

Introduction This document outlines the data reporting guidelines for the Rice Pesticide Program.

Pesticide Use Reporting procedures Follow your normal download and submittal practices (i.e., via e-mail) when electronically sending pesticide use report (PUR) data to DPR. Please send your rice PUR data to DPR's **Pest Management and Licensing Branch** in a timely manner so this data can be compiled and summarized for the annual report.

California Rice Commission report preparation The California Rice Commission (CRC) will submit a routine information request¹ to each rice-growing county for inspection data, and compliance and enforcement action data. The CRC will contact DPR to obtain the PUR data.

The CRC will use the data to prepare the annual report required by the Central Valley Regional Water Quality Control Board (CVRWQCB) by December 31 of each year.

Reporting inspection, compliance, and enforcement action data

The California Rice Commission will request the following inspection, compliance, and enforcement action data. You may continue to use the *Annual Rice Reporting Information* form that follows.

For **thiobencarb** (Bolero[®], Abolish[™]), report the number of:

- Mix/load inspections
 - Application inspections
 - Water hold inspections
 - Release inquiries
 - Emergency releases
 - Water seepage inspections apply only to Sacramento Valley Rice Growing Counties
 - Non-compliance inspections
 - Agricultural civil penalties (ACPs)
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¹ Starting in 2009, the California Rice Commission will obtain this information directly from the rice-growing counties.

Data Reporting Guidelines for the Rice Pesticide Program,

Continued

**Reporting
seepage
inspection data**

When conducting thiobencarb seepage inspections, please characterize the amount of seepage observed during the inspection as: “no seepage,” “less than five gallons of seepage,” or “more than five gallons of seepage.” Use the *Annual Rice Reporting Information* form that follows; enter the number of sites with:

- No seepage
- Less than five gallons of seepage
- More than five gallons of seepage.

**Mail, e-mail, or
fax**

Please mail, e-mail, or fax the inspection and compliance/enforcement action data requested above by **September 30** to:

Roberta Firoved
Industry Affairs Manager
California Rice Commission
8801 Folsom Blvd., Suite 172
Sacramento, California 95826-3249
Telephone: (916) 387-2264

e-mail: rfiroved@calrice.org
Fax: (916) 387-2265

**“Completed”
water-holding
enforcement
actions to
CVRWQCB**

Additionally, at the request of the CVRWQCB, please send all “completed” water-holding enforcement actions within 30 days after enforcement action is completed to:

Rice Pesticide Program
Central Valley Regional Water Quality Control Board
Central Valley Region
11020 Sun Center Drive #200
Rancho Cordova, California 95670-6114

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ANNUAL RICE REPORTING INFORMATION

County: _____

Acres of Rice Planted: _____

		INSPECTION TYPES															
CHEMICALS	* A C P	APPLICA- TIONS		MIX / LOAD		RELEASE INQUIRES		EMERGENCY RELEASES		WATER HOLD		WATER SEEPAGE **					
		#	N/C	#	N/C	#	N/C	#	N/C	#	N/C	#	N/C	# of Sites w/ No Seepage	# of Sites w/ Less Than 5 Gallons	# of Sites w/ More Than 5 Gallons	
BOLERO® 15G																	
ABOLISH™ 8EC																	
Totals																	

Please send the above information to California Rice Commission by e-mail to rrioved@calrice.org; by fax at (916) 387-2265; or by mail to 8801 Folsom Blvd., Suite 172, Sacramento, California 95826-3249 by **September 30th** of each year.

* Administrative Civil Penalty

** Sacramento Valley Rice counties only