

241-418

09/25/2008

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

Craig D. Kleppe, Ph.D.  
BASF Corporation  
26 Davis Dr.  
P.O. Box 13528  
Research Triangle Park, NC 27709

SEP 25 2008

Subject: Notification – Supplemental Label for Water-Seeded Rice in CA  
Prowl H2O Herbicide  
EPA Reg. No. 241-418  
Application Dated July 29, 2008

Dear Dr. Kleppe:

The Agency is in receipt of your Application for Notification for a specific supplemental label for Postemergence Weed Management in Water-Seeded Rice in California. The label submitted will be placed in our records. The following correction must be made to the labeling before you release it for shipment.

- Under Directions For Use, remove the phrase "...or 20 or more gallons of liquid fertilizer per acre..." as it contradicts with the use restriction "Do not apply in liquid fertilizer."

Sincerely,

A handwritten signature in black ink, appearing to read "James A. Tompkins".

James A. Tompkins  
Product Manager 25  
Herbicide Branch  
Registration Division (7505P)



The Chemical Company

# PROWL H<sub>2</sub>O<sup>®</sup>

h e r b i c i d e

**Supplemental  
Label**

## FOR POSTEMERGENCE WEED MANAGEMENT IN WATER-SEEDED RICE IN CALIFORNIA

This supplemental label expires on December 31, 2010.

EPA Reg. No. 241-418

**Active Ingredient:**

pendimethalin: N-(1-ethylpropyl)-3,4-dimethyl-2,6-dinitrobenzenamine..... 38.7%

**Other Ingredients:** ..... 61.3%

**Total:** ..... 100.0%

**OBSERVE AND FOLLOW ALL APPLICABLE DIRECTIONS, RESTRICTIONS, WORKER PROTECTION STANDARDS, PRECAUTIONARY STATEMENTS, MIXING AND APPLICATION INSTRUCTIONS, AND FOLLOWCROP RESTRICTIONS ON THE Prowl<sup>®</sup> H<sub>2</sub>O herbicide MAIN CONTAINER LABEL BEFORE USING.**

### Directions For Use

It is a violation of federal law to use this product in a manner inconsistent with its labeling. This label and the current EPA-accepted label for **Prowl H<sub>2</sub>O** must be in the possession of the user at the time of pesticide application.

**Prowl H<sub>2</sub>O** is a selective herbicide for controlling most annual grasses and certain broadleaf weeds as they germinate. For the list of weeds controlled, refer to the **Prowl H<sub>2</sub>O** main container label (see **Table 1**). Uniformly apply **Prowl H<sub>2</sub>O** with properly calibrated ground equipment in 10 or more gallons of water or 20 or more gallons of liquid fertilizer per acre, or by aircraft in a minimum of 5 gallons of water per acre. Use sprayers equipped with nozzles that provide accurate and uniform application.

Adequate rainfall or irrigation after application prior to weed seedling germination will provide the most effective weed control.

Always perform a mixing test to check the compatibility of **Prowl H<sub>2</sub>O** with all potential tank mix partners. Follow all precautions and restrictions on the labels of all products applied in combination with **Prowl H<sub>2</sub>O**. Always follow the most restrictive label.

### Endangered Species Protection

If endangered species occur in proximity to the application site, the following mitigation measures are required:

- If applied by ground, leave untreated buffer zone of 200 feet. The product must be applied using a low boom (20 inches above the ground) and ASAE fine to medium/coarse nozzles.
- If applied by air, leave untreated buffer zone of 170 feet. Must use straight-stream nozzles (D-6 or larger); wind can be no more than 8 mph and release height must be 15 feet or less.

To determine whether your county has an endangered species, consult the website <http://www.epa.gov/espp/usa-map.htm>.

Endangered Species Bulletins may also be obtained from extension offices or state pesticide agencies. If the bulletin is not available for your specific area, check with the appropriate local state agency to determine if known populations of endangered species occur in the area to be treated.

**Spray Drift.** Avoiding spray drift at the application site is the responsibility of the applicator and the grower. The interaction of many equipment- and weather-related factors determines the potential for spray drift. The applicator and grower are responsible for considering all these factors when making decisions. It is the responsibility of the applicator to avoid spray drift onto nontarget areas.

**Application Instructions**

**Prowl® H<sub>2</sub>O herbicide** may be applied postemergence in California water-seeded rice as a component of a comprehensive weed management program.

Apply **Prowl H<sub>2</sub>O** alone or tank mixed with a postemergence herbicide after water-seeded rice has reached the 4- to 6-leaf stage (spike plus 3 to 5 true leaves). Applications made prior to the 4-leaf rice stage may result in crop injury.

Water-seeded rice must also be well-rooted/pegged (i.e., standing erect after the flood is removed) prior to application. **DO NOT** apply to rice that is leaning over and/or laying flat to the ground following flood removal since this is characteristic of a poorly established root system. Rice roots must be below the **Prowl H<sub>2</sub>O**-treated soil zone. Injury, stunting, and/or stand reduction can occur if **Prowl H<sub>2</sub>O** contacts the rice roots.

Fields must be completely drained and free of standing water (moist/saturated soil) prior to application. If the soil is saturated at the time of application, allow the soil surface to dry prior to restoring the permanent flood. **Prowl H<sub>2</sub>O** requires alternate wetting/drying cycles to be activated. Weed control will be reduced if the soil surface is not allowed to dry out prior to restoration of the permanent flood. Resume normal water management practices following permanent flood restoration.

**Prowl H<sub>2</sub>O** does not control weeds postemergence; therefore, **Prowl H<sub>2</sub>O** must be tank mixed with a postemergence herbicide to control emerged weeds at the time of application.

**Prowl H<sub>2</sub>O** will aid in the control or suppression of the following weeds when used as part of a comprehensive weed management program:

- Barnyardgrass
- Early and Late watergrass  
(including biotypes resistant to other herbicide modes of action, e.g. Rice mimic)
- Redstem\*
- Smallflower umbrella sedge\*
- Sprangletop

\*Suppression Only

In California water-seeded rice, **Prowl H<sub>2</sub>O** may be applied with either aerial or ground application equipment.

For aerial application, apply the recommended rate of **Prowl H<sub>2</sub>O** in 5 to 10 gallons of water per acre. If applied as a tank mixture with another herbicide, make sure proper gallonage per acre per label recommendation (i.e. 10 to 15 with propanil) is used to ensure adequate coverage. To minimize drift, **DO NOT** apply during periods of winds greater than 10 mph, or when wind conditions favor drifting, or if there is a temperature inversion. It is recommended that a flagman or an automatic mechanical flagging unit on the aircraft be used to avoid overlapping and possible crop injury.

For ground equipment, apply the recommended rate of **Prowl H<sub>2</sub>O** in 10 to 20 gallons of water per acre. If **Prowl H<sub>2</sub>O** is applied as a tank mixture with another herbicide, make sure proper gallonage per acre per label recommendation (i.e. 20 to 30 for propanil) is used to ensure adequate coverage. Use a properly calibrated low-pressure (20 to 40 psi) sprayer equipped with appropriate nozzles to achieve uniform spray distribution and minimize drift. Keep the bypass line on or near the bottom of the tank to minimize foaming. Nozzle screens must be no finer than 50 mesh. **DO NOT** apply **Prowl H<sub>2</sub>O** during periods of gusty winds or when wind velocity is greater than 20 mph.

**Postemergence Tank Mixtures**

To control emerged weeds at application, **Prowl H<sub>2</sub>O** may be tank mixed with one of the following postemergence herbicides:

- Clincher® herbicide**
- Grandstand® herbicide**
- Granite® SC herbicide**  
propanil (e.g., **Super WHAM!® herbicide**)
- Regiment® herbicide**
- Strada® WG herbicide**
- Whip® 360 herbicide**

When using tank mixtures with **Prowl H<sub>2</sub>O**, always read the companion product label(s) and follow all precautions and restrictions. Always follow the most restrictive label.

Observe all restrictions regarding propanil-restricted zones.

**Postemergence in Water-Seeded Rice**

Soil Texture	Rate (pts/A)
Coarse	1.5
Medium	2.0
Fine	2.0

## Restrictions and Limitations

- **DO NOT** apply **Prowl H<sub>2</sub>O** prior to the 4-leaf rice stage (spike plus 3 true leaves) or to rice that is not well rooted/pegged. The rice must be standing erect after the flood is removed and prior to application.
- **DO NOT** apply to fields with standing water.
- **DO NOT** apply **Prowl H<sub>2</sub>O** through any type of irrigation system.
- **DO NOT** apply in liquid fertilizer.
- **DO NOT** apply to rice fields if fields are used for fish, especially catfish, and crayfish production.
- **DO NOT** spray target crop within 60 feet of sensitive crops (crops not listed on the **Prowl H<sub>2</sub>O** main container label).
- **DO NOT** spray target crop within 60 feet of crops labeled for **Prowl H<sub>2</sub>O** applications where the method of application, rate, or timing of spray application are prohibited.
- **DO NOT** exceed the maximum rate for any soil type in one season.
- **DO NOT** bale or use rice straw from treated fields for feed or bedding.
- **DO NOT** use water containing **Prowl H<sub>2</sub>O** residues from rice cultivation to irrigate food or feed crops that are not registered for use with **Prowl H<sub>2</sub>O**.

In case of a crop failure due to weather conditions or disease following treatment with **Prowl H<sub>2</sub>O** alone or in a tank mixture, only drilled dry-seeded rice may be immediately replanted; however, the grower assumes all risks and consequences associated with replanting of rice because there is the potential for stand reduction or stunting. A 10% increase in seeding rate is recommended. Replant seed below the herbicide layer because reduced stand or stunting may occur if **Prowl H<sub>2</sub>O** contacts germinating rice seed.

**DO NOT** replant gibberellic acid-treated seed.

**DO NOT** re-apply **Prowl H<sub>2</sub>O** alone or in a tank mixture.

**DO NOT** apply to stressed rice. Stress factors include cold or hot temperature extremes, excessive moisture or drought, problem soils, poor field drainage, or deep water after application.

**Conditions of Sale and Warranty**

The **Directions For Use** of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and must be followed carefully. However, it is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or use of the product in a manner inconsistent with its labeling, all of which are beyond the control of BASF CORPORATION ("BASF") or the Seller. To the extent consistent with applicable law, all such risks shall be assumed by the Buyer.

BASF warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the **Directions For Use**, subject to the inherent risks, referred to above.

To the extent consistent with applicable law, BASF makes no other express or implied warranty of fitness or merchantability or any other express or implied warranty.

To the extent consistent with applicable law, Buyer's exclusive remedy and BASF's exclusive liability, whether in contract, tort, negligence, strict liability, or otherwise, shall be limited to repayment of the purchase price of the product.

To the extent consistent with applicable law, BASF and the Seller disclaim any liability for consequential, special or indirect damages resulting from the use or handling of this product.

BASF and the Seller offer this product, and the Buyer and User accept it, subject to the foregoing **Conditions of Sale and Warranty** which may be varied only by agreement in writing signed by a duly authorized representative of BASF.

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*Prowl* is a registered trademark of BASF.

*Clincher, Grandstand, and Granite* are registered trademarks of Dow AgroSciences LLC.

*Regiment* is a registered trademark of Kumiai Chemical Industry Co., Ltd.

*Strada* is a registered trademark of Isagro USA, Inc.

*Super WHAM!* is a registered trademark of RiceCo LLC.

*Whip* is a registered trademark of Bayer.

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000241-00418.20080723.NVA 2008-04-195-0244  
Based on: NVA 2007-04-195-0163

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