

Prowl H₂O Label Expanded to Include Bearing Grapes
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Prowl H₂O is relatively new formulation of pendimethalin that was first marketed several years ago which provides preemergence control of small seeded broadleaf and grass weeds. Prior to the release of the new label Prowl H₂O was registered for use in non-bearing grapes as a dormant application only. However BASF recently published a supplemental label that expands the label to bearing vineyards and lifts the restriction dormant grape restriction so long as the herbicide is applied as a directed spray. Prowl H₂O may be applied at a rate of 3 to 6 qts. per treated acre. Rainfall or overhead irrigation is needed within 7 days of application to insure optimum herbicide performance.

Prowl H₂O will be a less expensive alternative to oryzalin (Surflan and others) however the length of time between application and necessary rainfall for activation is less for Prowl than oryzalin which growers should consider. Prowl H₂O would be a good choice as a tank mix partner with simazine or Matrix FNV to improve residual control of annual grasses.

Susceptible Weeds Include:

Large crabgrass

Foxtail

Goosegrass

Fall panicum

Pigweed

Lambsquarters

Spotted spurge

Smartweed



Supplemental
Labeling

FOR USE ON BEARING GRAPE

EPA Reg. No. 241- 418

Active Ingredient:

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

INERT INGREDIENTS: 61.3%

TOTAL 100.0%

OBSERVE ALL PRECAUTIONARY STATEMENTS, MIXING AND APPLICATION INSTRUCTIONS, AND FOLLOW CROP RESTRICTIONS ON THE PROWL® H₂O HERBICIDE MAIN PRODUCT 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. **DO NOT** apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. Refer to **Prowl H₂O** main product label for **Precautionary Statements, First Aid** and **Personal Protective Equipment** requirements, and follow all recommendations, special instructions and precautions. This supplemental label must be in the user’s possession during application.

General Information

Prowl H₂O controls most annual grasses and certain broadleaf weeds as they germinate. Refer to **Prowl H₂O** main product label for complete listing of controlled weeds.

Always perform a mixing test to check the compatibility of **Prowl H₂O** with all potential tank mix partners.

Endangered Species

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.

Application Instructions

Prowl H₂O may be only applied by ground or by chemigation methods. Uniformly apply **Prowl H₂O** in bearing grape vineyards up to 12.3 pints per acre depending on the desired length of control (see table below).

Prowl H₂O Use Rate per Acre:

Short-term control	6.2 pints
Long-term control	12.3 pints

Prowl H₂O should be applied prior to weed emergence. EMERGED WEEDS WILL NOT BE CONTROLLED BY THIS TREATMENT. Adequate rainfall or overhead irrigation within 7 days after application will provide the most consistent weed control. If no rain is expected the herbicide may be lightly incorporated into the soil shortly after application.

Follow all precautions and restrictions on the labels of all products applied in combination with **Prowl H₂O**. Always follow the most restrictive label.

Ground Applications - Prowl H₂O may be applied **surface incorporated** or **(surface) preemergence**.

Apply **Prowl H₂O** as a broadcast or banded treatment using ground equipment before weed emergence. Uniformly apply **Prowl H₂O** with properly calibrated ground equipment in 10 to 40 gallons of water per acre. Use sprayers equipped with nozzles that provide accurate and uniform application.

Apply the spray directly to the ground beneath the grape vines and/or in areas between rows. **DO NOT** apply over the top of grape vines with leaves or buds or fruit. Contact with leaves, shoots, or buds by the spray mixture may cause injury.

Chemigation Applications - Prowl H₂O may be applied through solid set, hand move, and low volume sprinkler (micro sprinkler) irrigation systems. **DO NOT** apply through any other type of irrigation system. Refer to and follow all recommendations, special instructions, and precautions in the **Chemigation** section on the **Prowl H₂O** main product container label. If you have any questions about calibration, you should contact State Extension Service specialists, equipment manufacturers, or other experts.

DO NOT apply **Prowl H₂O**-treated irrigation water over top of grape vines with leaves or buds or fruit. Uniform distribution of **Prowl H₂O**-treated irrigation water is the sole responsibility of the applicator and is required to avoid crop injury, lack of herbicide effectiveness or illegal pesticide residues in the crop.

Restrictions and Limitations

DO NOT apply over the top of grape vines with leaves or buds or fruit.

DO NOT apply by air.

DO NOT apply more than 12.3 pints per acre per season.

DO NOT apply within 90 days of harvest of fruit.

DO NOT feed forage or graze livestock in treated vineyards.

DO NOT apply to newly transplanted or direct seeded grape.

DO NOT rotate to other crops for 24 months following a **Prowl H₂O** application to bearing grape vineyards.

Conditions of Sale and Warranty

The **Directions For Use** of this product reflects the opinion of experts based on field use and tests. The directions are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks inherently associated with 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. 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.

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