For Use in Selected Crops

Active Ingredient*:
pendimethalin: N-(1-ethylpropyl)-3,4-dimethyl-2,6-dinitrobenzenamine ....... 38.7%
Other Ingredients: .......................................................... 61.3%
Total: .......................................................... 100.0%

*1 gallon contains 3.8 pounds of pendimethalin formulated as an aqueous capsule suspension.


KEEP OUT OF REACH OF CHILDREN
CAUTION/PRECAUCION

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

See inside for complete First Aid, Precautionary Statements, Directions For Use, Conditions of Sale and Warranty, and state-specific crop and/or use site restrictions.

In case of an emergency endangering life or property involving this product, call day or night 1-800-832-HELP (4357).

Net Contents:

BASF Corporation
26 Davis Drive, Research Triangle Park, NC 27709
Precautionary Statements

Hazards to Humans and Domestic Animals

CAUTION. Causes moderate eye irritation. Harmful if swallowed or absorbed through the skin. Avoid contact with skin, eyes, or clothing.

Personal Protective Equipment (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks

Follow manufacturer’s instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product’s concentrate. DO NOT reuse them.

Engineering Controls

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [(40 CFR 170.240)(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

USER SAFETY RECOMMENDATIONS

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. Wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

FIRST AID

If swallowed

- Call a poison control center or doctor immediately for treatment advice.
- Have person sip a glass of water if able to swallow.
- DO NOT induce vomiting unless told to do so by a poison control center or doctor.
- DO NOT give anything to an unconscious person.

If in eyes

- Hold eye open and rinse slowly and gently with water for 15 to 20 minutes.
- Remove contact lenses, if present, after first 5 minutes; then continue rinsing.
- Call a poison control center or doctor for treatment advice.

If on skin

- Take off contaminated clothing.
- Rinse skin immediately with plenty of water for 15 to 20 minutes.
- Call a poison control center or doctor for treatment advice.

HOTLINE NUMBER

Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact BASF Corporation for emergency medical treatment information: 1-800-832-HELP (4357).

Environmental Hazards

This product is toxic to fish. DO NOT apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Drift and runoff from treated areas may be hazardous to aquatic organisms in adjacent aquatic sites. DO NOT contaminate water when disposing of equipment washwater or rinsate.

Endangered Species Protection

This product may have effects on federally listed threatened or endangered plant species or their critical habitat. When using this product, you must follow the measures contained in the Endangered Species Protection Bulletin for the county or parish in which you are applying the pesticide. To determine whether your county or parish has a Bulletin, and to obtain that Bulletin, consult http://www.epa.gov/espp/, or call 1-844-447-3813 no more than 6 months before using this product. Applicators must use Bulletins that are in effect in the month in which the pesticide will be applied. New Bulletins will generally be available from the above sources 6 months before their effective dates.

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

- If applied by ground, leave an 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 an 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.
Directions For Use

It is a violation of federal law to use this product in a manner inconsistent with its labeling. This label must be in the possession of the user at the time of pesticide application.

Observe all precautions and restrictions in this label and the labels of products used in combination with Prowl® H2O herbicide. Use of Prowl H2O not consistent with this label can result in injury to crops, animals, or persons. Keep containers closed to avoid spills and contamination.

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. For any requirements specific to your state or tribe, consult the agency responsible for pesticide protection.

BASF intends that this product may not be used for manufacturing products for application to turf and ornamentals.

DO NOT enter or allow other people (or pets) to enter the treated area until sprays have dried.

STORAGE AND DISPOSAL

DO NOT contaminate water, food, or feed by storage or disposal.

Pesticide Storage
Prowl H2O freezes around 15° F and is stable under conditions of freezing and thawing. Product that has been frozen should be thawed and recirculated prior to use.

Pesticide Disposal
Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of federal law. Open dumping is prohibited.

If these wastes cannot be disposed of by use according to label directions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

Container Handling
Nonrefillable Container. DO NOT reuse or refill this container. Triple rinse or pressure rinse container (or equivalent) promptly after emptying; then offer for recycling, if available, or reconditioning, if appropriate, or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures approved by state and local authorities.

Triple rinse containers small enough to shake (capacity ≤ 5 gallons) as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank, or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

Refillable Container. Refill this container with pesticide only. DO NOT reuse this container for any other purpose. Triple rinsing the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller.

Triple rinse as follows: To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10% full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.

When this container is empty, replace the cap and seal all openings that have been opened during use; return the container to the point of purchase or to a designated location. This container must only be refilled with a pesticide product. Prior to refilling, inspect carefully for damage including cracks, punctures, abrasions, worn-out threads and closure devices. Check for leaks after refilling and before transport. DO NOT transport if this container is damaged or leaking. If the container is damaged, or leaking, or obsolete and not returned to the point of purchase or to a designated location, triple rinse emptied container and offer for recycling, if available, or dispose of container in compliance with state and local regulations.

(continued)
In Case of Emergency

In case of large-scale spill of this product, call:

- CHEMTREC 1-800-424-9300
- BASF Corporation 1-800-832-HELP (4357)

In case of medical emergency regarding this product, call:

- Your local doctor for immediate treatment
- Your local poison control center (hospital)
- BASF Corporation 1-800-832-HELP (4357)

Steps to take if material is released or spilled:

- Dike and contain the spill with inert material (sand, earth, etc.) and transfer liquid and solid diking material to separate containers for disposal.
- Remove contaminated clothing and wash affected skin areas with soap and water.
- Wash clothing before reuse.
- Keep the spill out of all sewers and open bodies of water.

Product Information

Prowl® H2O herbicide is a selective herbicide for controlling most annual grasses and certain broadleaf weeds as they germinate. Refer to Table 1 for crop uses. Refer to Table 2 for a complete list of controlled weeds.

Prowl H2O will not control established weeds.

Table 1. Crop Uses

<table>
<thead>
<tr>
<th>alfalfa</th>
<th>artichoke</th>
<th>asparagus</th>
<th>Brassica head and stem vegetables</th>
<th>carrot</th>
</tr>
</thead>
<tbody>
<tr>
<td>asparagus</td>
<td>Brassica head and stem vegetables</td>
<td>carrot</td>
<td>citrus fruit trees, bearing and nonbearing</td>
<td></td>
</tr>
<tr>
<td>carrot</td>
<td>citrus fruit trees, bearing and nonbearing</td>
<td>corn (field, field seed, fresh sweet, popcorn, popcorn seed)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>corn (field, field seed, fresh sweet, popcorn, popcorn seed)</td>
<td>cotton</td>
<td>date palm trees, nonbearing</td>
<td></td>
<td></td>
</tr>
<tr>
<td>cotton</td>
<td>date palm trees, nonbearing</td>
<td>edible beans</td>
<td>fallow</td>
<td></td>
</tr>
<tr>
<td>date palm trees, nonbearing</td>
<td>edible beans</td>
<td>fallow</td>
<td>fig trees, nonbearing</td>
<td></td>
</tr>
<tr>
<td>edible beans</td>
<td>fig trees, nonbearing</td>
<td>forage grasses (cool-season)</td>
<td>forage grasses (warm-season)</td>
<td></td>
</tr>
<tr>
<td>fig trees, nonbearing</td>
<td>forage grasses (warm-season)</td>
<td>fruiting vegetables</td>
<td>garlic</td>
<td></td>
</tr>
<tr>
<td>forage grasses (cool-season)</td>
<td>fruiting vegetables</td>
<td>garlic</td>
<td></td>
<td></td>
</tr>
<tr>
<td>forage grasses (warm-season)</td>
<td>garlic</td>
<td>grain sorghum</td>
<td></td>
<td></td>
</tr>
<tr>
<td>fruiting vegetables</td>
<td>grain sorghum</td>
<td>grape, bearing and nonbearing vineyards</td>
<td></td>
<td></td>
</tr>
<tr>
<td>garlic</td>
<td>grape, bearing and nonbearing vineyards</td>
<td>hops</td>
<td></td>
<td></td>
</tr>
<tr>
<td>garlic</td>
<td>grape, bearing and nonbearing vineyards</td>
<td>hops</td>
<td>leek</td>
<td></td>
</tr>
<tr>
<td>grape, bearing and nonbearing vineyards</td>
<td>leek</td>
<td>lentil and peas</td>
<td></td>
<td></td>
</tr>
<tr>
<td>hops</td>
<td>lentil and peas</td>
<td>melons</td>
<td></td>
<td></td>
</tr>
<tr>
<td>leek</td>
<td>melons</td>
<td>mint</td>
<td></td>
<td></td>
</tr>
<tr>
<td>lentil and peas</td>
<td>mint</td>
<td>melons</td>
<td>nut trees, bearing and nonbearing</td>
<td></td>
</tr>
<tr>
<td>melons</td>
<td>nut trees, bearing and nonbearing</td>
<td>olive trees, bearing and nonbearing</td>
<td></td>
<td></td>
</tr>
<tr>
<td>mint</td>
<td>olive trees, bearing and nonbearing</td>
<td>onions and shallots (dry bulb, green)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>melons</td>
<td>onions and shallots (dry bulb, green)</td>
<td>peanut</td>
<td></td>
<td></td>
</tr>
<tr>
<td>mint</td>
<td>peanut</td>
<td>pome fruit trees, bearing and nonbearing</td>
<td></td>
<td></td>
</tr>
<tr>
<td>melons</td>
<td>pome fruit trees, bearing and nonbearing</td>
<td>pomegranate</td>
<td></td>
<td></td>
</tr>
<tr>
<td>mint</td>
<td>pomegranate</td>
<td>potato</td>
<td></td>
<td></td>
</tr>
<tr>
<td>melons</td>
<td>potato</td>
<td>rice</td>
<td></td>
<td></td>
</tr>
<tr>
<td>mint</td>
<td>rice</td>
<td>safflower</td>
<td></td>
<td></td>
</tr>
<tr>
<td>melons</td>
<td>safflower</td>
<td>soybean</td>
<td></td>
<td></td>
</tr>
<tr>
<td>mint</td>
<td>soybean</td>
<td>stone fruit trees, bearing and nonbearing</td>
<td></td>
<td></td>
</tr>
<tr>
<td>melons</td>
<td>stone fruit trees, bearing and nonbearing</td>
<td>strawberry</td>
<td></td>
<td></td>
</tr>
<tr>
<td>mint</td>
<td>strawberry</td>
<td>sugarcane</td>
<td></td>
<td></td>
</tr>
<tr>
<td>melons</td>
<td>sugarcane</td>
<td>sunflower</td>
<td></td>
<td></td>
</tr>
<tr>
<td>mint</td>
<td>sunflower</td>
<td>tobacco</td>
<td></td>
<td></td>
</tr>
<tr>
<td>melons</td>
<td>tobacco</td>
<td>tobacco</td>
<td></td>
<td></td>
</tr>
<tr>
<td>mint</td>
<td>tobacco</td>
<td>triticale</td>
<td></td>
<td></td>
</tr>
<tr>
<td>melons</td>
<td>triticale</td>
<td>wheat</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Agricultural Use Requirements

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

DO NOT enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 24 hours.

EXCEPTION: If the product is soil-injected or soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, including plants, soil, or water, is:

- Coveralls
- Waterproof gloves
- Shoes plus socks
Pendimethalin, the active ingredient in Prowl H2O, is a Group 3 (WSSA)/Group K, (HRAC) herbicide belonging to the dinitroaniline chemistry class. Prowl H2O is a meristematic inhibitor that interferes with meristematic plant cell division or mitosis inhibiting germinating seedling growth.

### Herbicide Resistance Management
While weed resistance to Group 3 herbicides is infrequent, populations of resistant biotypes are known to exist. Weeds resistant to Group 3 herbicides should be managed using herbicide(s) from a different group (mode or site of action) that are effective against the target weeds. Resistance management should be part of a diversified weed control strategy that integrates chemical, cultural, and mechanical (tillage) control tactics. Cultural control tactics include crop rotation, proper fertilizer placement, and optimum seeding rate/row spacing. Consult your local BASF representative, state cooperative extension service, professional consultants, or other qualified authority to determine appropriate actions if you suspect resistant weeds.

### Chemical Control
- Start clean with tillage or an effective burndown herbicide program.
- **DO NOT** rely on a single herbicide site of action for weed control.
- Follow labeled application rate and weed growth stage specifications.
- Avoid application of herbicides with the same site of action more than twice a season.
- Use tank mixes and sequential applications with other herbicides possessing different sites of action that are also effective on the target weeds.

### Table 2. Weeds Controlled
(see crop sections for additional weeds controlled)

<table>
<thead>
<tr>
<th>Weeds controlled with Prowl® H2O herbicide applied up to 4 pts/A</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Grass Weeds</strong></td>
</tr>
<tr>
<td>Annual ryegrass*</td>
</tr>
<tr>
<td>Barnyardgrass</td>
</tr>
<tr>
<td>Canarygrass*</td>
</tr>
<tr>
<td>Cheat*</td>
</tr>
<tr>
<td>Crabgrass</td>
</tr>
<tr>
<td>Crowfootgrass</td>
</tr>
<tr>
<td>Cupgrass</td>
</tr>
<tr>
<td>Downy brome*</td>
</tr>
<tr>
<td>Foxtail, giant</td>
</tr>
<tr>
<td>Foxtail, green</td>
</tr>
<tr>
<td>Foxtail, yellow</td>
</tr>
<tr>
<td>Goosegrass</td>
</tr>
<tr>
<td>Hairy chess*</td>
</tr>
<tr>
<td>Itchgrass*</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Broadleaf Weeds</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Amaranth, Palmer</td>
</tr>
<tr>
<td>Bittercress</td>
</tr>
<tr>
<td>Black nightshade</td>
</tr>
<tr>
<td>Bugloss, small†</td>
</tr>
<tr>
<td>Carpetweed</td>
</tr>
<tr>
<td>Chickweed, common*</td>
</tr>
<tr>
<td>Common groundsel</td>
</tr>
<tr>
<td>Henbit</td>
</tr>
<tr>
<td>Kochia</td>
</tr>
<tr>
<td>Lady’s thumb</td>
</tr>
<tr>
<td>Lambsquarters, common</td>
</tr>
<tr>
<td>Lambsquarters, slimleaf†</td>
</tr>
<tr>
<td>London rocket*</td>
</tr>
</tbody>
</table>

* Suppression, but controlled when Prowl H2O use rate exceeds 4 pts/A.
† Not suppressed or controlled in California
† Not controlled in California

### Table 2. Weeds Controlled (continued)
(see crop sections for additional weeds controlled)

<table>
<thead>
<tr>
<th>Weeds controlled with Prowl H2O applied at 4 pts/A or more</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Grass Weeds</strong></td>
</tr>
<tr>
<td>Annual bluegrass</td>
</tr>
<tr>
<td>Browntop panicum</td>
</tr>
<tr>
<td>Grass, Guinea*</td>
</tr>
<tr>
<td>Junglerice</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Broadleaf Weeds</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Dodder†</td>
</tr>
<tr>
<td>Fiddleneck</td>
</tr>
<tr>
<td>Morningglory**</td>
</tr>
<tr>
<td>Prickly lettuce</td>
</tr>
</tbody>
</table>

† For optimum dodder control, use the highest labeled rate of Prowl H2O specified in the specific crop.
** Suppression
† Not controlled in California
Scouting and Containment

- Scout fields after herbicide application to identify areas where weed control was ineffective.
- Control weed escapes with herbicides possessing a different site of action or use a mechanical control measure. Weed escapes should not be allowed to reproduce by seed or to proliferate vegetatively.
- Contact your ProR® H2O herbicide supplier and/or your local BASF representative to report weed escapes.
- Clean equipment before moving to a different field to avoid spread of resistant weeds.

Application Rate

Use rates for ProR® H2O when used alone, in tank mix, or for sequential applications are given in Crop-specific Information. Use rates of this product vary by soil texture and organic matter. See Table 3 for soil texture groupings used in this label.

DO NOT apply more than the maximum labeled rate of ProR® H2O for any soil type.

Table 3. Soil Texture Groups

<table>
<thead>
<tr>
<th>Coarse</th>
<th>Medium</th>
<th>Fine</th>
</tr>
</thead>
<tbody>
<tr>
<td>sands loamy sands</td>
<td>sandy clay loams* sandy clays</td>
<td>silty clay loams*</td>
</tr>
<tr>
<td>sandy loams</td>
<td>loams</td>
<td>silty clays</td>
</tr>
<tr>
<td>silt loams</td>
<td>silt</td>
<td>clay loams</td>
</tr>
<tr>
<td>silts</td>
<td></td>
<td>clays</td>
</tr>
</tbody>
</table>

* Sometimes considered transitional soils and may be classified as medium-texture or fine-texture soils.

For peat and muck soils. ProR® H2O may be used on peat and muck soils, but weed control may be inconsistent and/or reduced. Use maximum labeled use rate allowed in the specific crop.

Application Timings

ProR® H2O will provide most effective weed control when applied by ground or aerial equipment and subsequently incorporated into soil by rainfall, sprinkler irrigation, or mechanical tillage before weed seedling germination. ProR® H2O can also be applied through chemigation, including flooded basin irrigation systems. ProR® H2O may be applied preplant surface, preplant incorporated, surface incorporated, preemergence, early postemergence, postemergence incorporated (CULTI-SPRAY), or by layby treatment. See Crop-specific Information for specific application directions and restrictions by crop.

Preplant Surface Application. For use in minimum-tillage or no-tillage production systems, apply ProR® H2O alone or in tank mixes within 45 days of planting. When making early preplant surface application (15 to 45 days before planting), ProR® H2O should be tank mixed or followed by a postemergence herbicide application. Rainfall or sprinkler irrigation after application is required to move this product into the upper soil surface where weed seeds germinate.

Preplant Incorporated Application. Apply ProR® H2O and incorporate into the upper (1 inch to 2 inches) soil surface within 60 days of planting. Use an implement capable of giving uniform incorporation; two-pass incorporation usually results in a more consistent result.

Surface Incorporated Application. Uniformly apply ProR® H2O as broadcast or banded treatment to soil surface underneath established trees and/or in ground areas between trees rows. Incorporate into upper (1 inch to 2 inches) soil surface using rainfall, sprinkler irrigation, or shallow mechanical incorporation using an implement capable of giving uniform incorporation; two-pass mechanical incorporation usually results in a more consistent result.

Preemergence Surface Application. Broadcast treatment uniformly to the soil surface at planting and up to 2 days after planting (refer to Crop-specific Information section for exceptions). Rainfall, sprinkler irrigation, or shallow mechanical incorporation after application is required to move this product into the upper soil surface where weed seeds germinate. If adequate rainfall or irrigation does not occur, or soil crusting or soil compaction has occurred, and weed seedling emergence begins, a shallow cultivation or rotary hoeing or light harrow will improve performance. Make sure that crop seeds are below the tilled soil surface area.

Early Postemergence Application. ProR® H2O must be applied before weed seedling emergence or in a tank mix with products that control the emerged weeds. Refer to Crop-specific Information for specific postemergence application instructions by crop.

Postemergence Incorporated Application (CULTI-SPRAY). Before application, crop must be cultivated in such a manner as to throw at least 1 inch of soil over the base of the crop plants. This will prevent direct contact of ProR® H2O and the zone of brace root formation.

PreR® H2O must be applied broadcast with a ground sprayer when crop is at least 4 inches tall up to layby. Use drop nozzles if crop foliage will prevent uniform coverage of the soil surface within the rows. Thoroughly and uniformly incorporate PreR® H2O treatments into the soil:
1. With a sweep-type or rolling cultivator set to provide thorough incorporation in the top 1 inch of soil.
2. With adequate overhead irrigation water or rainfall. See Crop-specific Information (Corn and Grain Sorghum) for more details on (CULTI-SPRAY) application.

Layby Application. Apply PreR® H2O directly to the soil between rows as a directed spray after the last normal cultivation (layby). See Crop-specific Information for more details on layby application.

Split Application. PreR® H2O may be applied preplant incorporated within 60 days of planting and followed by a preemergence application at planting or up to 2 days after planting (refer to Crop-specific Information section for exceptions). The total amount of PreR® H2O applied per acre per season cannot exceed the highest labeled rate for...
any given soil type. See Crop-specific Information for more details on split applications.

Fall Application. Prowl® H2O herbicide may be used in fall application programs in certain crops. See Crop-specific Information for details on fall application timing.

### Spraying Instructions

Prowl H2O may be applied using water or sprayable fluid fertilizer (including straight 32-0-0 or 28-0-0) as the spray carrier. Additionally, Prowl H2O may be impregnated on dry bulk fertilizer. Sprayable fluid fertilizer as a carrier is NOT for use after crop emergence unless the typical fertilizer burn symptoms on the crop are acceptable.

#### Aerial Application

Uniformly apply in 5 or more gallons of water per acre. Exercise caution to minimize drift. DO NOT apply during periods of gusty winds or when wind conditions favor drifting. Spray drift can cause injury to sensitive crops. Use a flagman or an automatic mechanical flagging unit on the aircraft to avoid overlapping and possible crop injury.

#### Ground Application (Broadcast)

Uniformly apply with calibrated ground equipment in 10 or more gallons of water per acre or 20 or more gallons of liquid fertilizer per acre. Use sprayers equipped with appropriate nozzles that provide uniform and accurate spray distribution and minimize drift. Keep the bypass line on or near the bottom of the tank to minimize foaming. Nozzle and in-line screens must be no finer than 50 mesh.

Application of Prowl H2O during periods of gusty winds may result in uneven applications. DO NOT apply Prowl H2O postemergence in liquid fertilizers.

If liquid fertilizer/herbicide(s) mixture separates in the spray tank, clogged equipment and uneven application can result. Always predetermine the compatibility of Prowl H2O alone or with other herbicides based on the following compatibility jar test:

1. Add 1 pint of fertilizer to a quart jar.
2. Add 1 to 4 teaspoon(s) of the dry flowable (DF), wettable powder (WP), aqueous solution (AS), flowable (F), or liquid (L) formulation (depending on mixing ratio required) to the liquid fertilizer. To calculate teaspoons of the formulation to add:

   \[
   \text{lbs or pts of product/acre} \times 11.4 = \text{teaspoons of herbicide to add to 1 pint of fertilizer}
   \]

3. Close the jar and agitate until the herbicide(s) are evenly dispersed in the liquid fertilizer. If the materials do not disperse well, it may be necessary to slurry the chemicals in water before adding to the fertilizer.
4. After dispersing the materials, add appropriate number of teaspoons of Prowl H2O to the jar and shake well. Add water soluble concentrate herbicides to the mixture last and agitation. Let the mixture stand for 30 minutes; then observe the results. Look for signs of separation: an oily layer or globules, sludge, flakes or other precipitates.
5. Evaluate compatibility.
   a. If the herbicide(s) and liquid fertilizer mixture does not separate, use this mixture in your spray tank.
   b. If the mixture separates but mixes readily with shaking, the mixture can be used if good agitation is maintained in the spray tank.
   c. If separation of the mixture occurs and agitation does not correct this problem, a compatibility agent is needed.
6. If the need for a compatibility agent is demonstrated, BASF recommends the following procedure: Using a clean quart jar, repeat step 1 above and add 1/2 teaspoon of the compatibility agent to the liquid fertilizer. Mix well and repeat steps 2, 3, and 4. If separation or precipitation occurs with the compatibility agent, DO NOT use Prowl H2O with that specific liquid fertilizer.

#### Ground Application (Dry Bulk Fertilizer)

Apply Prowl H2O/dry bulk fertilizer mixtures only with ground equipment. See Crop-specific Information for crops suitable for dry bulk fertilizer applications. DO NOT impregnate Prowl H2O onto coated ammonium nitrate or limestone because these materials will not absorb the herbicide. Dry fertilizer blends containing mixtures of ammonium nitrate or limestone may be impregnated with Prowl H2O. A minimum of 200 pounds of impregnated dry bulk fertilizer, excluding the weight of ammonium nitrate or limestone, must be applied per acre.

Calculate the amount of Prowl H2O impregnated on a ton of dry bulk fertilizer based on the rate of fertilizer to be applied per acre:

\[
\frac{\text{2000 pounds of dry fertilizer per acre}}{\text{rate per acre}} = \frac{\text{Prowl H2O per ton of fertilizer}}{\text{Prowl H2O per ton of fertilizer}}
\]

To impregnate Prowl H2O on bulk fertilizer, use a closed rotary-drum mixer or other commonly used dry bulk fertilizer blender equipped with suitable spray equipment. Spray nozzles must be placed to provide uniform coverage of Prowl H2O onto the fertilizer during mixing.

Apply the Prowl H2O/dry bulk fertilizer mixture with a calibrated dry fertilizer spreader. The Prowl H2O/dry bulk fertilizer mixture must be spread uniformly on the soil surface.
Chemigation Application via Sprinkler Irrigation and Drip Irrigation Systems

Prowl® H2O herbicide may be applied as a chemigation treatment through sprinkler irrigation and drip irrigation systems. Refer to Crop-specific Information sections for individual crops. DO NOT apply Prowl H2O via chemigation to crops unless specified in Crop-specific Information section.

Apply this product ONLY through a sprinkler irrigation system of the following type: center pivot, lateral move, end tow, side (wheel) roll, traveler, big gun, solid set, or hand move.

Apply this product ONLY through a drip irrigation system that has emitters above the soil surface.

DO NOT apply this product through any other type of sprinkler irrigation or drip irrigation system.

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. If you have any questions about calibration, contact State Extension Service specialists, equipment manufacturers, or other experts.

The system must be calibrated (with water only) to ensure the amount of Prowl H2O applied corresponds to the specified rate. Apply Prowl H2O in 1/2 to 3/4 inch of water during the first sprinkler set (use at least 1 inch of water in the states of New Mexico, Oklahoma, and Texas). BASF recommends mixing Prowl H2O with water at a 1:1 ratio in the injection nurse tank to assist with product flowability. Maintain agitation in the injection nurse tank to keep a uniform herbicide suspension during application. When application is complete, flush the system with water.

Chemigation Instructions (for low-volume micro sprinklers)

Output of low-volume sprinkler equals 4 to 50 gallons per hour (gph) per emitter. Point of application MUST be above ground.

Irrigation system should run a sufficient amount of time before Prowl H2O injection to have all emitters functioning properly. After system is operating properly, length of injection should be such that at one period of time during the injection, the first and last emitters in the system contain Prowl H2O-treated water. Add Prowl H2O to the supply tank already filled with the volume of water required for the injection period. Maintain agitation in Prowl H2O injection tank. Mix Prowl H2O in clean water and inject down-line from filters. After Prowl H2O injection, flush system for a period of time sufficient to clear the line of Prowl H2O. (If Prowl H2O is applied during a normal irrigation cycle, make injection during the last stage.)

Chemigation Calibration (for low-volume micro sprinklers)

Calculation of use rate is based on wetted area around emitters - NOT on tree acres. To calculate amount of Prowl H2O:

1. Treated area per each emitter = A
   A = 3.14 x (radius x radius)
   A = 530.7 square inches

   If there are 300 emitters per acre, then
   B = \frac{530.7 \times 300}{144} = 1105.6 square feet wet per acre

   If the system covers 20 acres, then
   C = 22,112 square feet wetted by system

   If the desired application rate per treated acre is
   \text{2.0 qts of Prowl H2O}, then
   S = \frac{22,112}{43,560} \times 2.0 \text{ and } S = 1.0 \text{ qt of Prowl H2O to inject into the system.}

Special Instructions for Chemigation

1. DO NOT apply when wind speed favors drift beyond the area intended for treatment.
2. DO NOT connect an irrigation system used for pesticide application to a public water system unless the pesticide label prescribed safety devices for public water systems are in place.
3. A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.
4. Recirculate and/or contain tail water (runoff water) from chemigation that contains Prowl H2O in the field in a cistern or holding reservoir from the initial application and/or used only on adjacent, approved crops for which Prowl H2O is registered for this type of application.
5. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump. It must also...
contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is automatically or manually shut down.

6. The sprinkler chemigation system must contain a functional check valve, vacuum relief valve, and low-pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow. In addition, systems must use a metering pump, including a positive displacement injection pump (e.g. diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

7. The sprinkler chemigation system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops, or in cases where there is no water pump, when the water pressure decreases to the point where pesticide distribution is adversely affected.

8. The irrigation line or water pump must include a functional pressure switch that will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.

Chemigation Systems Connected to Public Water Systems

1. Public water system means a system for the provision to the public of piped water for human consumption if such system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days out of the year.

2. Chemigation systems connected to public water systems must contain a functional, reduced-pressure zone backflow preventer (RPZ) or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, discharge the water from the public water system into a reservoir tank prior to pesticide introduction. There shall be a complete physical break (air gap) between the outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe.

3. All chemigation systems connected to public water systems must also follow restrictions listed in the preceding sections involving Chemigation.

Application via Flood, Flooded Basin, or Gravity Flow Irrigation Systems

Prowl® H2O herbicide may be applied via flood, flooded basin, or gravity flow irrigation systems, but only to the following crops: alfalfa, bearing and nonbearing fruit and nut trees, bearing and nonbearing olive trees, bearing and nonbearing vineyards, nonbearing date palm, and nonbearing fig trees.

Use Instructions and Restrictions for Flood, Flooded Basin, and Gravity Flow Irrigation

1. Prowl H2O may be applied through flood, flooded basin, or gravity flow irrigation systems designed to uniformly distribute irrigation water along the soil surface. Solid set systems using tall riser for overhead application are excluded.

2. Follow all label directions for Prowl H2O regarding rates per acre, timing of application, and crop-specific restrictions and precautions.

3. DO NOT connect an irrigation system used for pesticide application to a public water system unless the pesticide label prescribed safety devices for public water systems are in place.

4. A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.

5. BASF recommends that Prowl H2O is mixed with water at a 1:1 ratio in the injection nurse tank to assist with product flowability. Maintain agitation in the injection nurse tank to keep a uniform herbicide suspension during application. When application is complete, flush the system with water.

6. Systems using a gravity-flow pesticide dispensing system must meter the pesticide in the water at the head of the field downstream of a hydraulic discontinuity, including a drop structure or weir box, to decrease potential for water source contamination from backflow water.

7. Tail water (runoff water) from flood, flooded basin, or gravity flow irrigation that contains Prowl H2O must be recirculated and/or contained in the field in a cistern or holding reservoir from the initial application and/or used only on adjacent approved crops for which Prowl H2O is registered for this type of application.

8. Systems using a pressurized water and pesticide injection system must meet the following requirements:
   - The system must contain a functional check valve, vacuum relief valve, and low-pressure drain appropriately located in the irrigation pipe to prevent water source contamination from backflow.
   - The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent flow of fluids back toward the injection pump.
   - The pesticide injection pipeline must also contain a functional, normally closed solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is automatically or manually shut down.
   - The system must contain a functional interlocking control to automatically shut off the pesticide injection pump when the water pump stops.
Managing Off-target Movement

Spray Drift

Avoiding spray drift at the application site is the responsibility of the applicator and the grower. The interaction of many equipment-related 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.

To avoid off-target drift movement from aerial applications to agricultural field crops:
1. The distance of the outermost nozzles on the boom must not exceed 3/4 the length of the fixed wingspan or rotor blade diameter.
2. Nozzles must always point backward parallel with the airstream and never be pointed downward more than 45 degrees.

Where states have more stringent regulations, they must be observed.

The applicator must be familiar with and take into account the information covered in the following spray drift reduction advisory information.

Information On Droplet Size

The most effective way to reduce drift potential is to apply large droplets. The best drift management strategy is to apply the largest droplets that provide sufficient coverage and control. Applying larger droplets reduces drift potential but will not prevent drift if applications are made improperly or under unfavorable environmental conditions (see Wind; Temperature and Humidity; and Temperature Inversion).

Controlling droplet size:

Volume. Use high flow rate nozzles to apply the highest practical spray volume. Nozzles with higher rated flows produce larger droplets.

Pressure. DO NOT exceed the nozzle manufacturer’s specified pressures. For many nozzle types, lower pressure produces larger droplets. When high flow rates are needed, use higher flow rate nozzles instead of increasing pressure.

Number of Nozzles. Use the minimum number of nozzles that provide uniform coverage.

Nozzle Orientation. Orienting nozzles so that the spray is released parallel to the airstream produces larger droplets than other orientations and is recommended practice. Significant deflection from the horizontal will reduce droplet size and increase drift potential.

Nozzle Type. Use a nozzle type that is designed for the intended application. With most nozzle types, narrower spray angles produce larger droplets. Consider using low-drift nozzles. Solid-stream or straight-stream nozzles oriented straight back produce the largest droplets and the lowest drift. Apply only as a medium or coarser spray (ASAE standard 572) or a volume mean diameter of 300 microns or more for spinning atomizer nozzles.

Application Height

Making applications at the lowest height that is safe reduces exposure of droplets to evaporation and wind. Applications should not be made at a height more than 10 feet above the top of the largest plants unless a greater height is required for aircraft safety. DO NOT apply with a nozzle height more than 4 feet above the crop canopy (for ground application).

Swath Adjustment

When applications are made with a crosswind, the swath will be displaced downwind. Therefore, on the upwind and downwind edges of the field, the applicator must compensate for this displacement by adjusting the path of the aircraft upwind. Swath adjustment distance should increase with increasing drift potential (higher wind, smaller droplets, etc.).

Wind

Drift potential is lowest between wind speeds of 2 to 10 mph. Apply when wind speed is 2 to 10 mph at the application site. However, many factors, including droplet size and equipment type, determine drift potential at any given speed. Application should be avoided below 2 mph due to variable wind direction and high inversion potential.

NOTE: Local terrain can influence wind patterns. Every applicator should be familiar with local wind patterns and how they affect spray drift.

Temperature and Humidity

When making applications in low relative humidity, set up equipment to produce larger droplets to compensate for evaporation. Droplet evaporation is most severe when conditions are both hot and dry.
**Temperature Inversion**

Applications shall not occur during a temperature inversion because drift potential is high. Temperature inversions restrict vertical air mixing that causes small suspended droplets to remain in a concentrated cloud. This cloud can move in unpredictable directions because of the light, variable winds common during inversions. Temperature inversions are characterized by increasing temperatures with altitude and are common on nights with limited cloud cover and light-to-no wind. They begin to form as the sun sets and often continue into the morning. Their presence can be indicated by ground fog; however, if fog is not present, inversions can also be identified by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing.

**Sensitive Areas**

This pesticide must only be applied when the potential for drift to adjacent sensitive areas (e.g. residential areas, bodies of water, known habitat for threatened or endangered species, or nontarget crops or plants) is minimal (e.g. when wind is blowing away from the sensitive areas). **DO NOT** apply when wind conditions will allow the drift to adjacent, susceptible crops.

**Additives**

Spray adjuvants have little or no influence on performance of Prowl® H2O herbicide when applications are made before weed emergence. However, several tank mixes with Prowl H2O require adjuvants to improve burndown of emerged weeds. Therefore, surfactants, liquid fertilizer (28%, 30%, or 32% UAN [urea ammonium nitrate] or AMS [ammonium sulfate]), or crop oil concentrate (COC) may be used with Prowl H2O tank mixes applied preplant, preemergence, or early postemergence to the crop. Follow the adjuvant directions on the tank mix partner’s label. The adjuvants must contain ingredients accepted by the Environmental Protection Agency.

When an adjuvant is to be used with this product, BASF recommends the use of a Chemical Producers and Distributors Association certified adjuvant.

**Tank Mixing Information**

Prowl H2O may be tank mixed with one or more herbicide products registered for use in a given crop according to the specific tank mixing instructions in this label and respective product labels if the product labels do not prohibit such mixing. The most restrictive labeling applies to tank mixes. Refer to the companion product label(s) to determine the specific use rates by soil types, crop growth stage, weeds controlled and weed growth stage. Always perform a mixing test to check the compatibility of Prowl H2O with all potential tank mix partners.

It is the pesticide user’s responsibility to ensure that all products in the listed mixtures are registered for the intended use. Read and follow the applicable restrictions and limitations and directions for use on all product labels involved in tank mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture.

**Mixing Instructions**

1. Fill tank 1/2 to 3/4 full with clean water or liquid fertilizer and agitate. Before mixing Prowl H2O or Prowl H2O tank mixes in liquid fertilizer, refer to appropriate label sections for specified uses in liquid fertilizer, application instructions, and compatibility determinations.

**NOTE:** Prowl H2O will **NOT** mix in high salt formulation fertilizers, including 10-34-0. When using high salt formulation fertilizers as the spray carrier, use one of the following:

- Pre-slurry Prowl H2O in water before adding to tank; use 1:1 ratio of water to Prowl H2O.
- Add water to fertilizer solution before adding Prowl H2O. The amount of water should be equal to or more than the amount of Prowl H2O to be used.

2. **Prowl H2O Alone**

When using Prowl H2O alone, add Prowl H2O to the partially filled tank while agitation; then fill the remainder of the tank with water or liquid fertilizer.

3. **Prowl H2O Tank Mixes**

Add the tank mix ingredients in the following order before adding Prowl H2O:

- **Wettable Powder (WP) formulations.** Make a slurry of the WP in water (1:2 ratio). Add the slurry slowly into the partially filled tank while agitating.
- **Dry Flowable (DF)/Water-dispersible Granule (WDG) formulations.** Add the granules to the partially filled tank while agitation. Make a slurry of the granules in water before adding to liquid fertilizer.
- **Flowable (F) formulations.** Add the F formulation to the partially filled tank while agitating.
- **Water-soluble Concentrate (WSC) formulations.** Add the WSC formulation to the partially filled tank while agitating.
- **Emulsifiable Concentrate (EC) formulations.** Add the EC formulation to the partially filled tank while agitating.

Fill the remainder of the tank with water or liquid fertilizer while agitating.

4. Thorough and continuous sprayer-tank agitation **MUST** be maintained during mixing and spraying of Prowl H2O. If the spray mixture is allowed to settle for any period of time, thorough agitation is essential to resuspend the mixture before spraying is resumed.

**Cleaning Spray Equipment**

Clean application equipment thoroughly by using a strong detergent or commercial spray cleaner according to the manufacturer’s directions; then triple rinse the equipment before and after applying this product.
Use Precautions

- **Prowl® H2O herbicide** will not control established weeds. Destroy emerged weeds before application.
- **Prowl H2O** is most effective in controlling weeds mechanically incorporated or when incorporated into the weed germination zone by adequate rainfall or overhead irrigation after application.
- In the event of a crop loss because of adverse weather conditions or other reasons, any crop registered for a preplant incorporated application of Prowl H2O can be replanted without adverse effects the same year (see Crop-specific Information for exceptions). If replanting is necessary, DO NOT work the soil deeper than the treated zone.
- Refer to Crop-specific Information for crop-specific preharvest intervals and feeding and grazing restrictions.

Use Area

Rotational Crop Restrictions

- Use of **Prowl H2O** in accordance with label directions is expected to result in normal growth of rotational crops in most situations; however, various environmental and agronomic factors, including arid conditions, make it impossible to eliminate all risks associated with the use of this product and, therefore, rotational crop injury is always possible. Soil characteristics and environmental conditions which may contribute to crop stress that may be accentuated by the use of Prowl H2O include: coarse soils, compaction, high salinity, eroded knolls/hilltops, cold and/or wet soils, drought, and heavy rainfall soon after application.
- When Prowl H2O is used in tank mix or sequential combinations, refer to label of other herbicides for additional rotational crop restrictions.
- After harvest of furrow-irrigated crops, thoroughly mix the soil by plowing or deep disking to minimize the potential for herbicide carryover to the following crop.
- Refer to Crop-specific Information for specific rotational restrictions when Prowl H2O is applied to specific crops.
- Restrictions for rotational cropping after the use of Prowl H2O depend on the application use rate of Prowl H2O in the primary crop. The user must thoroughly read the following restrictions to determine the rotational crops for the specific situation, according to application use rate. For field and row crops, see the table following.

Orchard, Grove, and Vineyard Crops

In the growing season after application of Prowl H2O to bearing fruit and nut trees, or grapes, plant only those crops for which Prowl H2O is labeled for preplant incorporated treatment or crop injury may occur. DO NOT rotate to other crops (except for fruit and nut trees, or grapes) for 24 months after Prowl H2O application.
## Field and Row Crops

<table>
<thead>
<tr>
<th>Rotational Crops</th>
<th>States</th>
<th>Prowl® H2O Herbicide Rate (pts/A)</th>
<th>Rainfall + Irrigation Amount (inches) between Prowl H2O application and rotational crop planting</th>
<th>Rotational Planting Interval (months) after Prowl H2O application</th>
<th>Spring</th>
<th>Fall</th>
</tr>
</thead>
<tbody>
<tr>
<td>All crops labeled for preplant incorporated application</td>
<td>All</td>
<td>&gt; 4.0</td>
<td>—</td>
<td>the next growing season</td>
<td></td>
<td></td>
</tr>
<tr>
<td>All other crops</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>24</td>
</tr>
<tr>
<td>Cotton, Edible beans, Fruiting vegetables, Lentil, Peas, Peanut, Safflower, Soybean, Sunflower</td>
<td>All</td>
<td>≤ 4.0</td>
<td>—</td>
<td>0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Alfalfa stand establishment</td>
<td>All</td>
<td>≤ 4.0</td>
<td>&gt; 12</td>
<td>6</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wheat*, Barley*</td>
<td>Colorado, Idaho, Kansas, Montana, Nebraska, Nevada, Oregon, Utah, Washington, Wyoming</td>
<td>≤ 3.2</td>
<td>—</td>
<td>4</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>&gt; 3.2 but ≤ 4.0</td>
<td>&gt; 12</td>
<td>4</td>
<td></td>
<td></td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>&lt; 12</td>
<td>12</td>
<td>14</td>
<td></td>
</tr>
<tr>
<td>Alfalfa stand establishment</td>
<td>All</td>
<td>≤ 4.0</td>
<td>&gt; 12</td>
<td>4</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>&lt; 12</td>
<td>12</td>
<td>14</td>
<td></td>
</tr>
<tr>
<td>Proso millet, Grain sorghum, Annual or perennial grass crops or mixtures</td>
<td>Minnesota, North Dakota, South Dakota</td>
<td>≤ 4.0</td>
<td>—</td>
<td>18</td>
<td>20</td>
<td></td>
</tr>
<tr>
<td></td>
<td>All other states</td>
<td>≤ 4.0</td>
<td>&gt; 20</td>
<td>10</td>
<td>12</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>&lt; 20</td>
<td>18</td>
<td>20</td>
<td></td>
</tr>
<tr>
<td>Red beet**, Spinach**</td>
<td>All</td>
<td>≤ 4.0</td>
<td>&gt; 12</td>
<td>12</td>
<td>14</td>
<td></td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>&lt; 12</td>
<td>18</td>
<td>20</td>
<td></td>
</tr>
<tr>
<td>Sugar beet**</td>
<td>Nebraska, and counties Goshen, Laramie, Platte in Wyoming</td>
<td>≤ 2.6</td>
<td>&gt; 12 and only if cropland is under center pivot irrigation</td>
<td>10</td>
<td>14</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>&gt; 2.6 but ≤ 4.0</td>
<td>12 and only if cropland is under center pivot irrigation</td>
<td>14</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>≤ 4.0</td>
<td>&lt; 12</td>
<td>18</td>
<td>20</td>
<td></td>
</tr>
<tr>
<td>All other states and other counties in Wyoming</td>
<td>All other states</td>
<td>≤ 4.0</td>
<td>&gt; 12</td>
<td>12</td>
<td>14</td>
<td></td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>&lt; 12</td>
<td>18</td>
<td>20</td>
<td></td>
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<tr>
<td>All other crops</td>
<td>All</td>
<td>≤ 4.0</td>
<td>&gt; 12</td>
<td>12</td>
<td>12</td>
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<td></td>
<td></td>
<td></td>
<td>&lt; 12</td>
<td>18</td>
<td>20</td>
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</tbody>
</table>

*In dryland areas and/or areas where irrigation is necessary to produce the crop, **DO NOT** plant winter wheat or barley as a followcrop if crop failure/destruction occurs and land is fallowed during the summer.

**To ensure thorough mixing of soil before planting sugar beet, red beet, and spinach, land should be plowed using a moldboard plow to a depth of 12 inches.
**Crop-specific Information**

**Crop Injury. Prowl® H2O herbicide** use may result in crop injury, loss or damage to certain crops under a number of conditions, including but not limited to agronomic, cultural, mechanical, and environmental. Numerous risks of loss or damage to certain crops may be associated with the use of Prowl H2O even when directions for use are followed completely. The user or grower should take all such risks into consideration before deciding to apply the product. BASF recommends testing on a small portion of the target crop to determine if damage is likely to occur. Each grower who is considering the product for such use should test Prowl H2O to determine its suitability. A grower should use Prowl H2O only to the extent that, in his sole opinion, the benefit of Prowl H2O use outweighs the potential injury to the grower’s crop.

In addition, many factors can affect crop growth and/or yield, including but not limited to insects, diseases, weed competition, poor seed quality, improper planting depth, mechanical cultivation, poor weather (including freezing or excessive wind, rain, heat, or cold), lack of or excessive moisture, crustling, fertility, or hardpans. Risk of loss or damage to crops may be associated with the use of Prowl H2O and contribute to poor stands because of failure of crop to emerge, swelling of roots or other below-ground plant parts, less vigorous plant growth and development, and reduction in yield potential. Prowl H2O may also cause injury to sensitive rotational crops.

### Alfalfa (grown for Forage, Hay, or Seed)

**Prowl H2O** may be applied by ground; air; chemigation; flood, flooded basin, and gravity flow irrigation systems; or on dry bulk fertilizer.

**Use Method, Rate, and Timing**

**Established Alfalfa for Forage/Hay and Seed Production.** Apply to established alfalfa grown for forage or hay or seed production (defined as alfalfa planted in the fall or spring which has gone through a first cutting/mowing). Apply in a single application or in sequential applications. Uniformly apply Prowl H2O at a broadcast rate of 1.1 to 4.2 quarts per acre before weed germination. Application can be made in the fall after the last cutting/mowing, during winter dormancy, in the spring, or between cuttings. Apply before alfalfa reaches 6 inches in regrowth.

**Seedling Alfalfa.** Apply to seedling alfalfa grown for forage or hay or seed production (defined as alfalfa planted in the fall or spring which has **NOT** gone through a cutting/mowing/seed harvest). Uniformly apply Prowl H2O at a broadcast rate of 1.1 to 2.1 pints per acre before weed germination. Application can be made when seedling alfalfa has reached the second trifoliate growth stage. Apply before alfalfa reaches 6 inches in growth.

### Chemigation Application

Prowl H2O may be applied through sprinkler irrigation systems. Follow all directions, special instructions, and restrictions about chemigation in the Spraying Instructions section of this label.

**Flood, Flooded Basin, and Gravity Flow Irrigation Systems**

Prowl H2O may be applied in flood, flooded basin, and gravity flow irrigation systems. Follow all directions, special instructions, and restrictions about flood, flooded basin, and gravity flow irrigation systems in the Spraying Instructions section of this label.

### Crop-specific Restrictions

- **DO NOT** apply more than 4.2 quarts of Prowl H2O per acre in a single application.
- For multiple applications, **DO NOT** apply more than a maximum cumulative total of 4.2 quarts of Prowl H2O per acre in any one crop season.
- **Preharvest Interval (PHI)** for alfalfa forage and hay - 14 days
- **Preharvest Interval (PHI)** for alfalfa seed - 90 days

### Crop-specific Precautions

- Some stunting and chlorosis of the alfalfa may occur with postemergence applications.
- Application made after alfalfa exceeds 6 inches in height may result in poor weed control because of possible reduced spray coverage to the soil.

### Artichoke

Prowl H2O may be applied by ground or air.

**Use Method, Rate, and Timing**

Prowl H2O must be applied pre-transplant, at least 1 to 2 days before transplanting artichoke. For a single application, uniformly apply Prowl H2O up to 3.0 pints per acre as a broadcast spray to the soil surface at least 60 days before harvest, or uniformly apply 3.1 to 8.2 pints per acre as a broadcast spray to the soil surface at least 200 days before harvest.

### Crop-specific Restrictions

- **DO NOT** apply postemergence over the top of or to foliage of artichoke because severe injury may occur.
- **DO NOT** apply more than 3.0 pints per acre per season when using the 60-day preharvest interval.
- If more than 3.0 pints per acre (up to 8.2 pints per acre) of Prowl H2O is applied, **DO NOT** harvest artichoke until 200 days after application.
- **DO NOT** apply more than 8.2 pints per acre per season.
- **DO NOT** feed forage or graze livestock in treated fields.
Prowl® H2O herbicide may be applied by ground or air.

Use Method, Rate, and Timing
Apply Prowl H2O only to established asparagus or to newly planted crown asparagus. **DO NOT** apply to newly seeded asparagus. When applying to newly planted crown asparagus, assure crowns are fully covered with 2 to 4 inches of soil.

With a single application, uniformly apply Prowl H2O to asparagus up to 8.2 pints per acre as a broadcast spray to the soil surface at least 14 days before the first spear harvest or after seasonal harvest is complete. Application must be made before spear emergence or remove emerged spears before making the application. If asparagus is grown on sandy soils, **DO NOT** apply Prowl H2O at more than 2.4 pts/A.

Crop-specific Restrictions
- **DO NOT** apply postemergence over the top of emerged spears or severe injury may occur.
- **DO NOT** apply more than 8.2 pints per acre per season.
- **Preharvest Interval** (PHI) - 14 days
- **DO NOT** feed forage or graze livestock in treated fields.
- **DO NOT** apply by chemigation methods.

Prowl H2O may be applied in the following individual crops within the fruit tree and tree nut crop groups:

<table>
<thead>
<tr>
<th>Citrus Fruit Crop Group</th>
<th>Tree Nuts Crop Group</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calamondin</td>
<td>Almond</td>
</tr>
<tr>
<td>Citron</td>
<td>Beech nut</td>
</tr>
<tr>
<td>Grapefruit</td>
<td>Brazil nut</td>
</tr>
<tr>
<td>Kumquat</td>
<td>Butternut</td>
</tr>
<tr>
<td>Lemon</td>
<td>Cashew</td>
</tr>
<tr>
<td>Lime</td>
<td>Chestnut</td>
</tr>
<tr>
<td></td>
<td>Chinquapin</td>
</tr>
<tr>
<td>Orange, sour</td>
<td>Hazelnut (filbert)</td>
</tr>
<tr>
<td>Orange, sweet</td>
<td>Hickory nut</td>
</tr>
<tr>
<td>Pummelo</td>
<td>Macadamia nut</td>
</tr>
<tr>
<td>Tangelo</td>
<td>Pecan</td>
</tr>
<tr>
<td>Tangerine (mandarin)</td>
<td>Pistachio</td>
</tr>
<tr>
<td></td>
<td>Walnut, black</td>
</tr>
<tr>
<td></td>
<td>Walnut, English</td>
</tr>
</tbody>
</table>

Pome Fruits Crop Group | Stone Fruits Crop Group

| Apple                  | Apricot             |
| Crabapple              | Cherry, sweet      |
| Pear                  | Cherry, tart       |
|                       | Nectarine           |
|                       | Peach               |
|                       | Plum                |
|                       | Plum, Chickasaw    |
|                       | Plum, Damson       |
|                       | Plum, Japanese     |
|                       | Plum, prune        |
|                       | Plumcot            |

Other Fruit Trees

- Date palm*, Fig* (nonbearing only)

*Not for use in California except as directed in supplemental labeling

**Prowl H2O** may only be applied by ground; chemigation; or flood, flooded basin, and gravity flow irrigation systems.

Use Method, Rate, and Timing
**Prowl H2O** may be applied in a single application or sequentially with an interval of 30 days or more. Apply **Prowl H2O** at 2.1 to 6.3 quarts per acre per application depending on the grower’s weed control program, level of weed infestation, and desired use strategy, but not more than a total of 4.2 quarts/A per year in olive, pome, pomegranate, and stone fruit trees, and not more than a total of 6.3 quarts/A per year in citrus and nut trees, and nonbearing date palm and nonbearing fig trees.

Ground Application (Bearing)
**Prowl H2O** may be applied **surface incorporated** or **(surface) preemergence**.

Apply **Prowl H2O** broadcast or banded using ground equipment before weed germination. Apply spray directly to the ground beneath trees and/or in areas between rows. **DO NOT** apply over the top of trees with leaves, buds, or fruit. Contact by the spray mixture with leaves, shoots, or buds may cause injury or result in illegal pesticide residues on fruit.

Ground Application (Nonbearing)
**Prowl H2O** may be applied for preplant incorporated, preplant surface, surface incorporated, or preemergence weed control in several nonbearing fruit and nut tree crops. **Prowl H2O** may be used before or after transplanting nonbearing crops.

Preplant Surface. Before transplanting, uniformly apply with ground equipment. Avoid root contact with treated soil when placing transplants into the hole or injury may occur.

Preplant Incorporated. Uniformly apply **Prowl H2O** before transplanting but before weeds germinate. Incorporate **Prowl H2O** to a depth of 1 to 2 inches. Application and incorporation must be made before transplanting to avoid mechanical injury to the crop. Avoid root contact with treated soil when placing transplants into the hole or injury may occur.
Preemergence. Application may be in a band or broadcast.

Chemigation Application
Prowl® H2O herbicide may be applied through sprinkler irrigation and drip irrigation systems. Follow all directions, special instructions, and restrictions about chemigation in the Spraying Instructions section of this label. DO NOT apply Prowl H2O-treated irrigation water over the top of trees with leaves, buds, or fruit. Contact with leaves, shoots, or buds by spray mixture may cause injury or result in illegal pesticide residues on fruit.

Flood, Flooded Basin, and Gravity Flow Irrigation Systems
Prowl H2O may be applied in flood, flooded basin, and gravity flow irrigation systems. Follow all directions, special instructions, and restrictions about flood, flooded basin, and gravity flow irrigation systems in the Spraying Instructions section of this label.

Crop-specific Restrictions
• DO NOT apply more than 4.2 quarts of Prowl H2O per acre per year in olive, pome, pomegranate, and stone fruit trees.
• DO NOT apply more than 6.3 quarts of Prowl H2O per acre per year in citrus and nut trees, and nonbearing date palm and nonbearing fig trees.
• DO NOT apply by air.
• DO NOT feed forage or graze livestock in treated groves or orchards.
• Preharvest Interval (PHI) - citrus fruit - 1 day
• Preharvest Interval (PHI) - olive, pome, pomegranate, stone fruit, and tree nuts - 60 days
• DO NOT apply to newly seeded nursery stock.

Ground Application (Nonbearing)
Prowl H2O may be applied for preplant incorporated, pre-plant surface, surface incorporated, or preemergence weed control in nonbearing vineyards. Prowl H2O may be used before or after transplanting.

Preplant Surface. Before transplanting, uniformly apply with ground equipment. Avoid root contact with treated soil when placing transplants into the hole or injury may occur.

Preplant Incorporated. Uniformly apply Prowl H2O before transplanting but before weeds germinate. Incorporate Prowl H2O to a depth of 1 to 2 inches. Application and incorporation must be made before transplanting to avoid mechanical injury to the crop. Avoid root contact with treated soil when placing transplants into the hole or injury may occur.

Preemergence. Application may be in a band or broadcast.

Nonbearing Grape

Newly Transplanted and One-year-old Grapevines:
• DO NOT allow spray to contact buds or leaves or leaf distortion may occur.
• DO NOT apply to newly transplanted vines until ground has settled and no cracks are present.

Chemigation Application
Prowl H2O may be applied through sprinkler irrigation and drip irrigation systems. Follow all directions, special instructions, and restrictions about chemigation in the Spraying Instructions section of this label. DO NOT apply Prowl H2O-treated irrigation water over the top of grape vines with leaves, buds, or fruit. Contact with leaves, shoots, or buds by spray mixture may cause injury or result in illegal pesticide residues on fruit.

Flood, Flooded Basin, and Gravity Flow Irrigation Systems
Prowl H2O may be applied in flood, flooded basin, and gravity flow irrigation systems. Follow all directions, special instructions, and restrictions about flood, flooded basin, and gravity flow irrigation systems in the Spraying Instructions section of this label.

Crop-specific Restrictions
• DO NOT apply over the top of grape vines with leaves, buds, or fruit.
• DO NOT apply by air.
• DO NOT apply more than 6.3 quarts per acre per year.
• Preharvest Interval (PHI) - 90 days
• DO NOT feed forage or graze livestock in treated vineyards.

Bearing and Nonbearing Grape

Prowl H2O may be only applied by ground; chemigation; or flood, flooded basin, and gravity flow irrigation systems.

Use Method, Rate, and Timing
Prowl H2O may be applied in a single application or sequentially with an interval of 30 days or more. Uniformly apply Prowl H2O in grape vineyards at 2.1 to 6.3 quarts per acre depending on the grower’s weed control program, level of weed infestation, and desired use strategy.

Prowl H2O may be applied anytime after fall harvest, during winter dormancy, and in spring.

Ground Application (Bearing)
Prowl H2O may be applied surface incorporated or (surface) preemergence.

Apply Prowl H2O broadcast or banded using ground equipment before weed germination. Apply spray directly to the ground beneath grape vines and/or in areas between rows. DO NOT apply over the top of grape vines with leaves, buds, or fruit. Contact with leaves, shoots, or buds by the spray mixture may cause injury or result in illegal pesticide residues on fruit.
**Prowl® H2O herbicide** may only be applied to the following Brassica head and stem vegetables:

- Broccoli
- Cabbage
- Brussels sprouts
- Cauliflower

**Prowl H2O** may be applied by ground.

**Use Method, Rate, and Timing**

Uniformly apply **Prowl H2O** only by ground as a postemergence-directed application to transplanted or established direct-seeded Brassica head and stem vegetables.

With a single application, apply up to 2.1 pints per acre of **Prowl H2O** to Brassica head and stem vegetables as a postemergence-directed spray between vegetable rows. Apply postemergence-directed to 2-leaf to 4-leaf vegetable transplants at 1 to 3 days after transplanting, or to the 2-leaf to 4-leaf stage of direct-seeded vegetable plants.

Apply **Prowl H2O** as a postemergence-directed spray on the soil, beneath plants, and between vegetative rows. **DO NOT** spray foliage or stems because crop injury will occur. Roots of transplants must be established. Following the postemergence-directed application if sufficient rainfall or irrigation does not occur, mechanically incorporate to activate the herbicide. Apply **Prowl H2O** before weed germination. Emerged weeds will not be controlled by this treatment.

**Use Rate**

**Postemergence-directed**

<table>
<thead>
<tr>
<th>Soil Texture</th>
<th>Broadcast Rate (pts/A)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coarse</td>
<td>1.0 to 1.5</td>
</tr>
<tr>
<td>Medium</td>
<td>1.5 to 2.1</td>
</tr>
</tbody>
</table>

**Crop-specific Restrictions**

- **DO NOT** apply more than 2.1 pints per acre per season.
- **Preharvest Interval (PHI)** for broccoli - 60 days
- **Preharvest Interval (PHI)** for cabbage and other Brassica head and stem vegetables - 70 days
- **DO NOT** feed forage or graze livestock in treated fields.
- **DO NOT** apply via chemigation methods.

**Crop-specific Precautions**

- Avoid overlapping spray patterns because crop injury can occur.
- Not for use in California.

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**Carrot Grown for Seed Production**

**Prowl H2O** may be applied by ground, air, or chemigation.

**Use Method, Rate, and Timing**

**Preemergence**. Make a single broadcast application by ground, air, or chemigation at 2.0 pints per acre of **Prowl H2O** as a postplant treatment before emergence of the crop and before weed germination. Apply as a preemergence treatment within 2 days after planting.

**Layby.** **Prowl H2O** may be applied only by ground equipment at layby (last mechanical cultivation) at 2.0 pints per acre as a directed spray to the soil between rows. Apply **Prowl H2O** before weed germination. Emerged weeds will not be controlled by this treatment. **DO NOT** allow the spray to contact carrot plants or injury may occur. **DO NOT** apply layby applications by chemigation or air.

**Chemigation Application**

**Prowl H2O** may be applied through sprinkler irrigation systems. Follow all directions, special instructions, and restrictions about chemigation in the Spraying Instructions section of this label. **DO NOT** allow **Prowl H2O**-treated irrigation water to contact carrot plants.

**DO NOT** apply tank mixes through any type of irrigation system unless the label instructions on chemigation of all products are followed.

**Crop-specific Restrictions**

- **DO NOT** apply more than 2.0 pints per acre per season.
- **Preharvest Interval (PHI)** - 60 days
- **DO NOT** feed forage or graze livestock in treated fields.
- **DO NOT** apply as a broadcast spray over top of carrots or crop injury may result.
- **DO NOT** apply layby applications by chemigation or air.

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**Carrot**

**Prowl H2O** may be applied by ground, air, or chemigation.

**Use Method, Rate, and Timing**

**Last Cultivation (Layby).** Apply **Prowl H2O** after the last normal mechanical cultivation (layby) at a rate of 1.0 to 4.0 pints per acre (on a broadcast basis). Uniformly apply as a directed spray to the soil between rows. **DO NOT** allow the spray to contact carrot plants or injury may occur. Use protective shields to avoid contact with carrot foliage. Use calibrated nozzles and equipment.

Layby application can be made to carrots previously treated with herbicides registered in/on carrots. Consult the labels of those herbicides for suggested treatments, rates, and precautions or restrictions for use in carrots and for rotational crop restrictions.
Crop-specific Restrictions
- **DO NOT** apply as a broadcast spray over top of carrots or crop injury may result.
- **DO NOT** apply layby applications by chemigation or air.
- **DO NOT** apply within 60 days before carrot seed harvest.
- **DO NOT** feed, forage, or graze livestock in treated fields.
- **DO NOT** harvest carrots for food or feed use.

Special Crop Use Restrictions
The pesticide applicator, the producer of the crop, and the seed conditioner must be aware that use of this product according to this labeling is deemed a nonfeed/nonfood use. If the applicator of this pesticide is not the producer, the applicator must provide a copy of this labeling to the producer of the crop. Producers of this crop who use this product, or cause the product to be used on a field they operate, shall provide a copy of this pesticide label to the seed conditioner.

Consequently, no portion of this carrot seed crop, including but not limited to green chop, hay, pellets, meal, whole seed, cracked seed, roots, bulbs, foliage, and seed screenings, may be used or distributed for food or feed purposes.

Processed carrot seed from a field treated with this product must bear a specific tag or conspicuous container labeling, or if shipped in bulk, on the shipment invoice or bill of lading, with the following statement: “Not for human consumption or animal feed.” All seed screenings from seed processing shall be disposed of in such a manner that the screenings cannot be distributed or used for human food or animal feed purposes.

The seed conditioner shall keep records of screening disposal for three years from the date of disposal and shall furnish the records immediately upon request. Conditioner disposal records shall consist of documentation of on-farm disposal, disposal at a controlled dumpsite, incinerator, composter, or other equivalent disposal site and shall include the lot numbers, amount of material disposed of, the grower(s), and the date of disposal.

### Corn
*(Field, Field Seed, Fresh Sweet, Popcorn, and Popcorn Seed)*

**Prowl H2O herbicide** may be applied by ground, air, chemigation, or on dry bulk fertilizer. **Prowl H2O** may be applied in conventional tillage, minimum tillage, or no-till as a preemergence, postemergence, or postemergence incorporated (CULTI-SPRAY) application in field corn.

**Prowl H2O** may be applied in conventional tillage as a preemergence or postemergence application in field seed corn, popcorn, popcorn seed corn, and fresh sweet corn.

Regardless of tillage system, plant corn at least 1-1/2 inches deep and completely cover with soil.

In conventional-tillage systems, plant into a seedbed that is firm and free of clods and trash. Use only where tillage provides good soil coverage of corn seed.

In no-till systems, use a no-till planter capable of planting through crop residue. Use of no-till planters under conditions that do not allow good soil coverage of the corn seed can result in reduced crop stand or injury if **Prowl H2O** contacts the germinating corn seed. Check equipment to ensure good seed coverage.

**Additional Weeds Controlled.** In addition to weeds listed in Table 2, **Prowl H2O** controls the following weeds in corn with CULTI-SPRAY application: wild proso millet and shattercane.

**Use Method, Rate, and Timing**

**Preemergence.** Apply after planting but before weeds germinate and crop emerges.

**Postemergence.** Apply postemergence until field corn is 30-inches tall (20-inches to 24-inches tall for popcorn, popcorn seed, field seed, and fresh sweet corn) or in the V8 growth stage, whichever is more restrictive. If the corn canopy prevents applications from reaching the soil, use drop nozzles and apply as a directed spray.

**CULTI-SPRAY.** Apply **Prowl H2O** alone or **Prowl H2O** plus atrazine when field corn is at least 4-inches tall until last cultivation (layby). **Prowl H2O** plus atrazine must be applied before the field corn reaches 12 inches in height.

See specific directions for (CULTI-SPRAY) application under **Application Timings**.

**DO NOT** apply more than 1.2 lbs ai per acre of atrazine, as specified on the atrazine label. Under situations of low rainfall or soil moisture, when deep germinating weeds like shattercane or field sandbur are anticipated, mechanical incorporation provides the best results. If cultivation is needed after application and incorporation of **Prowl H2O**, the depth of cut should be no deeper than the depth of cut used to incorporate.

**Chemigation Application**

**Prowl H2O** may be applied through sprinkler irrigation systems. Follow all directions, special instructions, and restrictions about chemigation in the **Spraying Instructions** section of this label.

**Use Rate**

<table>
<thead>
<tr>
<th>Preemergence, Postemergence</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Coarse</td>
<td>&lt; 1.5% (pts/A)</td>
<td>1.5% to 3.0% (pts/A)</td>
<td>&gt; 3.0% (pts/A)</td>
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<tr>
<td>Medium</td>
<td>2.0</td>
<td>3.0</td>
<td>3.0</td>
</tr>
<tr>
<td>Fine</td>
<td>3.0</td>
<td>4.0</td>
<td>4.0</td>
</tr>
</tbody>
</table>
CULTI-SPRAY (Field Corn ONLY)

<table>
<thead>
<tr>
<th>Soil Texture</th>
<th>Southern States′ (pts/A)</th>
<th>Northern States′ (pts/A)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coarse</td>
<td>1.5</td>
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<tr>
<td>Medium</td>
<td>2.0</td>
<td>3.0</td>
</tr>
<tr>
<td>Fine</td>
<td>3.0</td>
<td>3.0</td>
</tr>
</tbody>
</table>

′See Use Precautions for map of specific states.

Crop-specific Restrictions
• DO NOT apply Prowl® H2O herbicide in reduced-tillage, minimum-tillage, or no-till fresh sweet corn, seed corn, or popcorn.
• DO NOT apply Prowl H2O in no-till in California.
• DO NOT apply preplant incorporated.
• DO NOT apply postemergence in liquid fertilizer.
• Livestock can graze or be fed forage from treated corn 21 days or more after application.

Crop-specific Precautions
• Prowl H2O may be applied sequentially in a single crop season as long as the total use rate applied in the crop season does not exceed the highest rate per acre for any given soil type.

Cotton

Prowl H2O may be applied by ground, air, chemigation, or on dry bulk fertilizer to cotton grown under conventional-tillage, minimum-tillage, or no-till systems, or on stale seedbeds.

Additional Weeds Suppressed. In addition to weeds listed in Table 2, Prowl H2O will suppress Russian thistle in the state of Arizona.

Use Method, Rate, and Timing
Fall Application. Prowl H2O may be applied for weed control in cotton in the fall, after October 15 (up to 140 days before planting cotton) in Arizona, California, Louisiana, Mississippi, New Mexico, Oklahoma, and Texas. Apply Prowl H2O at the broadcast rate of 2.0 pints per acre on coarse or medium soils and 3.0 pints per acre on fine soils.

Preplant Surface. Apply Prowl H2O within 15 days of planting.

Preplant Incorporated. Apply Prowl H2O within 60 days of planting and incorporate.

Preemergence. Apply Prowl H2O at planting or up to 2 days after planting. Apply to a seedbed that is firm and free of clods.

Preplant Incorporated followed by Preemergence. Apply Prowl H2O within 60 days of planting and incorporate. Apply overlay application of Prowl H2O at planting or up to 2 days after planting. Total amount of Prowl H2O applied per acre cannot exceed the highest labeled rate for a given soil type. Preplant incorporated and preemergence applications of Prowl H2O may be applied with the labeled tank mix herbicide(s).

Layby Application (at last cultivation). Apply Prowl H2O directly to the soil between rows as a directed spray after the last normal cultivation (layby). Layby applications can be applied in cotton previously treated with Prowl H2O or any herbicide(s) registered for use in cotton. The total amount of Prowl H2O applied per acre per season cannot exceed the highest labeled rate for a given soil type. Glyphosate-containing products may be applied with Prowl H2O at layby in cotton with the Roundup Ready® gene. DO NOT apply glyphosate-containing products at layby on non-Roundup Ready cotton.

Postemergence. Prowl H2O may be applied by ground or air as a broadcast over-the-top postemergence application in cotton.

Postemergence treatments are most effective in controlling weeds when adequate rainfall or overhead irrigation is received after application. Apply Prowl H2O before weeds germinate or after clean cultivation to remove existing weeds because Prowl H2O will not control emerged weeds. Apply a postemergence herbicide to control emerged weeds.

Prowl H2O may be used alone or tank mixed with Roundup PowerMAX® herbicide (on Roundup Ready cotton or Roundup Ready Flex cotton), Roundup WeatherMAX® herbicide (on Roundup Ready cotton or Roundup Ready Flex cotton), or Ignite® herbicide (on LibertyLink® cotton). When tank mixing Prowl H2O with another herbicide product, always follow the most restrictive labeling. DO NOT tank mix and apply over-the-top postemergence with Caparol® herbicide, Cotoran® herbicide, Dual® herbicide, Sequence® herbicide, or Staple® herbicide.

Dry ammonium sulfate (AMS) at 17 lbs/100 gallons of spray solution must be used when tank mixing Prowl H2O with Roundup PowerMAX or Roundup WeatherMAX. Liquid AMS may also be used, but must be used at an equivalent rate to 17 lbs of dry weight AMS/100 gallons of spray solution. A nitrogen replacement should not be used with this tank mix unless specified as acceptable from BASF in writing. An appropriate mixing order is as follows: fill tank to at least 1/2 full with water; then add in order: AMS, Prowl H2O, Roundup® herbicide; then fill the tank to capacity with water.

Postemergence application of Prowl H2O on Roundup Ready cotton or Roundup Ready Flex cotton only

NOTE: Instructions for use of Prowl H2O on Roundup Ready cotton or Roundup Ready Flex cotton are specific to and should only be used with varieties designated Roundup Ready cotton or Roundup Ready Flex cotton.

Consult and follow the Roundup PowerMAX or Roundup WeatherMAX labels for their respective rates,
application methods, precautions, and application timing restrictions.

• Roundup Ready® cotton
  Tank mixing Prowl® H2O herbicide with Roundup PowerMAX® herbicide or Roundup WeatherMAX® herbicide (in water): Apply Prowl H2O broadcast postemergence over the top of cotton after cotton reaches the 4-leaf to 5-leaf growth stage. **DO NOT** apply to cotton before the 4-leaf stage or after the 5-leaf stage or significant crop injury and/or yield loss may occur.

• Roundup Ready Flex cotton
  Tank mixing Prowl H2O with Roundup PowerMAX or Roundup WeatherMAX (in water): Apply Prowl H2O broadcast postemergence over the top of cotton after cotton reaches the 4-leaf growth stage, but not after the 8-leaf growth stage. Over-the-top application made before the 4-leaf growth stage or after the 8-leaf growth stage may result in crop injury and/or yield loss.

Postemergence application of Prowl H2O on LibertyLink® cotton

**NOTE:** Instructions for use of Prowl H2O on LibertyLink cotton are specific to and should only be used with varieties designated LibertyLink cotton.

Consult and follow the Ignite® herbicide label for respective rates, application method, precautions, and application timing restrictions.

LibertyLink cotton

Tank mixing Prowl H2O with Ignite (in water): Apply Prowl H2O broadcast postemergence over the top of cotton after cotton reaches the 4-leaf growth stage, but not after the 8-leaf growth stage. Over-the-top application made before the 4-leaf growth stage or after the 8-leaf growth stage may result in crop injury and/or yield loss.

Postemergence application of Prowl H2O ALONE to all cotton (in water)

Apply Prowl H2O broadcast postemergence over the top of cotton after cotton reaches the 4-leaf growth stage, but not after the 8-leaf growth stage. Over-the-top applications made before the 4-leaf growth stage or after the 8-leaf growth stage may result in crop injury and/or yield loss.

Over-the-top postemergence application of Prowl H2O can be applied in cotton previously treated with at-planting soil applications of Prowl H2O or any other soil-applied herbicide(s) registered for use in cotton. Consult the labels of those herbicides for suggested treatments, rates, precautions, or restrictions for use in cotton, and for rotational crop restrictions. Follow the most restrictive label instructions when using products in combination with soil-applied Prowl H2O.

**Precautions:** Postemergence application of Prowl H2O may cause temporary growth reduction and/or leaf discoloration or malformation of cotton after application.

**DO NOT** apply over the top in fluid fertilizer.

**DO NOT** apply in tank mix with any adjuvant, surfactant, oil, or other pesticide (except for cotton insecticides).

**DO NOT** apply in any manner except as described in this label or crop injury and/or yield reduction may occur.

**DO NOT** apply if cotton is under stress (including stress related to previous pesticide treatments, poor fertilization, environmental conditions, and/or pest damage) at time of application. If cotton is under stress (including stress related to previous pesticide treatments, poor fertilization, environmental conditions, and/or pest damage) at time of application, Prowl H2O may retard cotton recovery and/or adversely affect yield.

Chemigation Application

Prowl H2O may be applied through sprinkler irrigation systems. Follow all directions, special instructions, and restrictions about chemigation in the Spraying Instructions section of this label.

**Use Rate**

**Preplant, Preemergence, Layby**

<table>
<thead>
<tr>
<th>Soil Texture</th>
<th>Conventional or Minimal Tillage (pts/A)</th>
<th>No-till* (pts/A)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coarse</td>
<td>1.0 to 2.0*</td>
<td>2.0</td>
</tr>
<tr>
<td>Medium</td>
<td>2.0</td>
<td>3.0</td>
</tr>
<tr>
<td>Fine</td>
<td>3.0</td>
<td>4.0</td>
</tr>
</tbody>
</table>

* **DO NOT** exceed 1.6 pts/A on coarse-texture soils in California.

**Postemergence**

Prowl H2O Alone or in Tank Mix with Roundup PowerMAX, Roundup WeatherMAX, or Ignite

<table>
<thead>
<tr>
<th>Soil Texture</th>
<th>Conventional, Minimum, or No Tillage (pts/A)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coarse</td>
<td>1.0 to 2.0</td>
</tr>
<tr>
<td>Medium</td>
<td>1.5 to 2.0</td>
</tr>
<tr>
<td>Fine</td>
<td>2.0</td>
</tr>
</tbody>
</table>

**Crop-specific Restrictions**

• **DO NOT** apply postemergence in cotton in California.

• **DO NOT** apply Prowl H2O in no-till in California.

• **DO NOT** apply more than the highest seasonal rate per acre for any given soil type.

• **DO NOT** apply more than 2.0 pts/A of Prowl H2O (0.95 lb active ingredient/A) when applied postemergence to cotton for any given soil type.

• **Preharvest Interval (PHI)** - 60 days

• In treated cotton fields, forage may be fed to or grazed by livestock.

• **DO NOT** apply more than the maximum cumulative seasonal rate of 4.2 pts of Prowl H2O per acre (2 lbs ai/A) for combined preplant/preemergence and postemergence applications.
**Prowl® H2O herbicide** may be applied to the following dry bulb crops:

- Garlic, bulb
- Onion, bulb

Prowl H2O may be applied to direct-seeded and transplanted dry bulb onions and dry bulb shallots.

Prowl H2O may be applied by ground, air, or chemigation.

### Use Method, Rate, and Timing - Mineral Soils

**Preemergence.** After garlic planting but before crop and weeds emerge.

**Postemergence.** When garlic is in the 1st to 5th true-leaf growth stage.

**Split Application.** In garlic at both preemergence and postemergence timings.

- **In all states except California,** apply Prowl H2O as a broadcast treatment when dry bulb onions or dry bulb shallots have 2 to 9 true leaves.
- **In California,** apply Prowl H2O only as a single application when dry bulb onions or dry bulb shallots have 2 to 6 true leaves.

### Additional State-specific Instructions

**Additional Use in Colorado, Kansas, and Nebraska**

Prowl H2O may be applied sequentially in seeded dry bulb onions. Make first application of Prowl H2O at loop stage. Make sequential application of Prowl H2O early postemergence (2nd to 9th true-leaf stage). **DO NOT** apply more than the maximum labeled rate for a given soil texture. **DO NOT** apply Prowl H2O at loop stage through the 9th true-leaf stage if heavy rains are expected or severe crop injury may result.

**Additional Use in Colorado and the High Plains of Texas**

For transplanted dry bulb onions only, apply and shallow incorporate (less than 2-inches deep) Prowl H2O into preformed beds before transplanting.

**Additional Use in Idaho, Oregon, and Washington**

Apply Prowl H2O as a broadcast treatment when dry bulb onions or dry bulb shallots are between the flag leaf to 9th true-leaf stage.

Prowl H2O may be used at 3.0 to 4.0 pints per acre for dodder control on medium-texture and fine-texture soils.

---

**DO NOT** apply Prowl H2O using chemigation at the dodder control rate.

Prowl H2O may be applied in the fall or spring to the furrow area of land bedded in the fall in preparation for planting seed of dry bulb onions the following spring. Apply Prowl H2O as a banded application at rates based on appropriate soil texture. Band width is 1/2 the width of the row spacing. Keep Prowl H2O away from the area where dry bulb onion seed will be planted.

Harrow off tops of beds after Prowl H2O furrow application before planting dry bulb onions.

For selective weed control in the onion row, apply Prowl H2O as a banded postemergence application to flag-leaf dry bulb onions at the labeled rates based on soil texture. Apply Prowl H2O only once to the furrow area and once to the dry bulb onion row as a postemergence application.

### Additional Use in Michigan

For mineral soils containing more than 10% organic matter, follow the directions for muck soils (see following).

### Crop-specific Restrictions (Mineral Soils)

- **DO NOT** mechanically incorporate except as specified for use on dry bulb onions in Colorado and the Texas High Plains.
- **DO NOT** apply more than 3.2 pints per acre per growing season (except Idaho, Oregon, and Washington).
- **Preharvest Interval (PHI) - 60 days in California; 45 days in all other states.**
- **DO NOT** feed or graze these crops.
- **DO NOT** apply Prowl H2O preemergence through the loop stage if heavy rains are expected or severe crop injury may result. If irrigating immediately after Prowl H2O application at the preemergence through loop stage, **DO NOT** irrigate more than 1/2 inch of water.

### Use Method, Rate, and Timing - Muck Soils

Prowl H2O may be applied sequentially in dry bulb onions or dry bulb shallots on muck soils, only once preemergence and only twice postemergence, as follows:

<table>
<thead>
<tr>
<th>Application Timing and Growth Stage</th>
<th>Rate (pts/A)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Preemergence through Loop Stage</td>
<td>4.0</td>
</tr>
<tr>
<td>Early Postemergence (2nd to 6th true-leaf stage)</td>
<td>4.0</td>
</tr>
<tr>
<td>Late Postemergence (6th to 9th true-leaf stage)</td>
<td>4.0</td>
</tr>
</tbody>
</table>

### Crop-specific Restrictions (Muck Soils)

- **DO NOT** apply to muck soils in California.
- **Preharvest Interval (PHI) - 45 days**
- **DO NOT** feed or graze these crops.
- **DO NOT** apply more than 12.6 pints per acre per growing season on muck soils. To maximize crop safety, ensure good soil coverage during planting or transplanting and delay preemergence applications to the loop stage, if possible.
- **DO NOT** apply Prowl H2O preemergence through the loop stage if heavy rains are expected or severe crop injury may result.
injury may result. If irrigating immediately after Prowl® H2O herbicide application at the preemergence through loop stage, DO NOT irrigate more than 1/2 inch of water.

- **DO NOT** plant sugar beets, red beets, spinach, winter wheat, or winter barley as rotational crops on muck soils for 12 months from the time of last application if more than 3.2 pints per acre of Prowl H2O is applied to the onion crop.

- **If loss** of onion crop occurs, DO NOT replant any crop other than onions in muck soil during the same cropping year and **DO NOT** work the soil deeper than 2 inches.

**Chemigation Application**

**Prowl H2O** may be applied through sprinkler irrigation systems. DO NOT irrigate more than 1/2 inch of water. Follow all directions, special instructions, and restrictions about chemigation in the **Spraying Instructions** section of this label.

**Edible Beans**

Prowl H2O may be applied to the following edible beans: dry beans (navy, great northern, red kidney, black, black turtle, cranberry, small white type, guar, adzuki, broad, faba, fava, field, lima (dry), pinto), lima bean, snap bean, chickpea (garbanzo bean), southern pea (cowpea), and sweet lupins.

**Prowl H2O** may be applied by ground, air, or on dry bulk fertilizer (only fall and preplant incorporated applications).

**Preplant Incorporated** may only be applied (fall) preplant surface or preplant incorporated in dry beans, lima bean, snap bean, and southern pea (cowpea). **Prowl H2O** may be applied (fall) preplant surface or preplant incorporated or (spring) preplant surface in chickpea (garbanzo bean). **Prowl H2O** may be applied (fall) preplant surface or preplant incorporated or preemergence in sweet lupins.

**Use Method, Rate, and Timing**

**Fall Application**

For use only in Idaho, Minnesota, Montana, North Dakota, Oregon, South Dakota, Washington, and Wyoming. Apply Prowl H2O preplant surface or preplant incorporated in dry beans, lima bean, snap bean, and southern pea (cowpea), chickpea (garbanzo bean), dry beans, lima bean, snap bean, southern pea (cowpea), and sweet lupins the following spring. Apply Prowl H2O in the late fall when soil temperatures are 45°F or below but before the ground freezes.

**DO NOT** apply when the air temperature is below 45°F.

Rainfall or irrigation is required for incorporation and activation. Unpredictable weed control can be expected because factors like length of time between application and planting as well as uncontrollable weather factors will determine herbicide activity and longevity.

### Use Rate (Fall)

<table>
<thead>
<tr>
<th>Soil Texture</th>
<th>Broadcast Rate &lt; 3% Organic Matter (pts/A)</th>
<th>Broadcast Rate &gt; 3% Organic Matter (pts/A)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coarse</td>
<td>2.0</td>
<td>2.0</td>
</tr>
<tr>
<td>Medium</td>
<td>2.5</td>
<td>3.0</td>
</tr>
<tr>
<td>Fine</td>
<td>3.0</td>
<td>3.0</td>
</tr>
</tbody>
</table>

*Use limited to certain states. Follow state-specific instructions and/or restrictions.

**Preplant Incorporated**. Apply within 60 days of planting and incorporate.

**Preemergence**. Apply only to sweet lupins at planting or up to 2 days after planting. Apply to a seedbed that is firm and free of clods.

**Use Rate**

**Preplant Incorporated, Preemergence**

### Soil Texture

<table>
<thead>
<tr>
<th>Soilt Textures</th>
<th>Southern States&lt;3% Organic Matter (pts/A)</th>
<th>Northern States&lt;3% Organic Matter &gt;3% Organic Matter (pts/A)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coarse</td>
<td>1.5</td>
<td>2.0</td>
</tr>
<tr>
<td>Medium</td>
<td>2.0</td>
<td>2.5</td>
</tr>
<tr>
<td>Fine</td>
<td>3.0</td>
<td>3.0</td>
</tr>
</tbody>
</table>

*See Use Precautions for map of specific states.

### State-specific Instructions

**Idaho, Montana, North Dakota, Oregon, and Washington**

Prowl H2O may be applied to chickpeas grown in no-tilage and/or minimum tillage systems in Idaho, Montana, North Dakota, Oregon, and Washington. Preplant surface applications must be made within 30 days of planting. **DO NOT** apply more than 1.5, 2.0, and 3.0 pts/A of Prowl H2O in coarse, medium, and fine texture soils, respectively. When planting, ensure the seed furrow is fully closed because conditions that allow the seed furrow to inadequately close and/or allow Prowl H2O to contact the seed may result in crop injury. Certain unfavorable environmental conditions, including cool temperatures, excessive moisture after application, and wet and/or compacted soil conditions, may result in delayed emergence and stunting with Prowl H2O use in chickpea. Adequate rainfall or irrigation after application before weed seedling germination provides the most effective weed control. Herbicide performance from surface application may be decreased compared to soil incorporated application.

**Idaho, Oregon, and Washington**

Prowl H2O may be applied postplant preemergence only to chickpea grown in conventional tillage systems in Idaho, Oregon, and Washington. Application must be made within 2 days of planting. Apply up to but not more than 1.5 pts/A. Apply to a firm seedbed free of clods. Soil conditions that cause poor seed furrow closure and coverage may result in delayed emergence and stunting of the crop.
Under certain environmental conditions, including cool temperatures, excessive moisture after application and wet soil conditions may result in delayed emergence and stuntting with Prowl® H2O herbicide use in chickpea. Adequate rainfall or irrigation after application before weed seedling germination provides the most effective weed control.

**Colorado, Idaho, Kansas, Montana, Nebraska, New Mexico, Oregon, Washington, and Wyoming**

Apply Prowl H2O by ground postplant preemergence to dry beans grown under sprinkler irrigation in Colorado, Idaho, Kansas, Montana, Nebraska, New Mexico, Oregon, Washington, and Wyoming. Dry beans must have a minimum planting depth of 2 inches. Before applying Prowl H2O to dry beans, growers should check with their local seed company or seed supplier for sensitive varieties and to verify the selectivity of Prowl H2O on the grower’s specific dry bean variety. Prowl H2O application made postplant preemergence to dry beans must be immediately followed by 0.50 to 0.75 inch of water from overhead irrigation/rainfall. Apply Prowl H2O within 1 to 4 days of planting and up to but not more than 2.0 pts/A. Apply to a firm seedbed free of clods. Soil conditions that cause poor seed furrow closure and coverage may result in delayed emergence and stunting of the crop. DO NOT apply as a chemigation application. DO NOT apply Prowl H2O in tank mix with Permit® herbicide or Valor® herbicide as a preemergence application to dry beans because of unacceptable crop response. Under certain environmental conditions, including cool temperatures, excessive moisture after application and wet soil conditions may result in crop injury, delayed emergence, and/or stunting with Prowl H2O use in dry beans. Adequate rainfall or irrigation after application before weed seedling germination provides the most effective weed control.

**Crop-specific Restrictions**

- DO NOT feed lupin hay and forage or graze livestock in treated lupin fields.
- DO NOT apply Prowl H2O more than once per cropping season.
- DO NOT apply in any type of irrigation system.

**Fallow**

Prowl H2O may be applied to fallow ground following crop harvest as a planned residual treatment to control labeled broadleaf and grass weeds as they germinate.

Prowl H2O may be applied to fallow ground by ground, air, or chemigation.

**Use Method, Rate, and Timing**

Apply as a broadcast spray at rates up to but not more than 3.0 pts/A of Prowl H2O. Emerged weeds will not be controlled by this treatment. Prowl H2O must be applied with a tank mix partner (i.e. glyphosate) for control of emerged weeds.

DO NOT make more than one application of Prowl H2O during a single fallow period.

DO NOT apply Prowl H2O to fallow ground after July 1 if treated fields are to be planted the following spring to crops not labeled for preplant or preplant incorporated applications of Prowl H2O.

There must be at least a 4-month interval between a Prowl H2O fallow application and the rotational planting of any fall-seeded cereal crop. Otherwise, specific rotational crop intervals must be adhered to between a fallow application of Prowl H2O and the planting of the following crop (see Rotational Crop Restrictions section of this label).

**State-specific Instructions**

In Colorado, Idaho, Kansas, Montana, Nebraska, Nevada, Oregon, Utah, Washington, and Wyoming, apply as a broadcast spray at rates up to, but not more than, 3.2 pts/A of Prowl H2O.

**Farmstead**

Apply Prowl H2O as a broadcast spray at 2.1 qts/A for short-term (2 to 4 months) or at 4.2 qts/A for long-term (6 to 8 months) preemergence control of labeled broadleaf and grass weeds as they germinate on farmstead nonagricultural areas including barnyards, lanes, driveways, machinery or implement yards, windbreaks, and nonagricultural fencerows or ditchbanks.

**Forage Grasses (Cool-season)**

Prowl H2O may be applied by ground or chemigation, by air, or on dry bulk fertilizer.

**Use Method, Rate and Timing**

Established Perennial Cool-season Forage Grasses.

Apply Prowl H2O to solid stands of perennial cool-season forage grasses [including bentgrass, bluegrass (Kentucky), bromegrass, fescue (fine, tall), orchardgrass, perennial ryegrass, timothy, wheatgrass, and others] grown for forage, green chop, silage, hay production, and/or grown in pastures, rangeland, or Federal Conservation Reserve Program (CRP) land for livestock grazing.

Apply Prowl H2O only to established (grass with 6 or more tillers per plant) perennial cool-season forage grasses.

Apply Prowl H2O before target-weed germination in fall after the last cutting/mowing/graazing, in winter, in spring, or in-season between cuttings.

Uniformly apply at a broadcast rate of 1.1 to 4.2 quarts of Prowl H2O per acre in a single application or sequential applications made 30 or more days apart.

DO NOT apply more than a maximum cumulative total of 4.2 quarts of Prowl H2O per acre per year.

Apply the higher rate of Prowl H2O when higher weed pressure is anticipated or when a longer duration of residual weed control is desired.

Prowl H2O may cause temporary injury to cool-season forage grass stands. Application made in periods of cold
temperatures that temporarily limit normal crop growth or in extended cold temperature periods that initiate winter dormancy in grass crops may result in crop injury. Disease, extremely cold weather, drought, extensive frost heaving, salinity, low pH, or high pH may weaken stands and make the crop more susceptible to herbicide injury.

**Mixed Stands of Established Cool-season Forage Grasses and Alfalfa.** Apply Prowl® H2O herbicide to mixed stands of established cool-season forage grasses and alfalfa (established alfalfa is defined as alfalfa planted in fall or spring which has gone through a first cutting/ mowing). Apply Prowl H2O in fall after the last cutting/mowing/grazing, in winter, in spring before weed germination, or in-season between cuttings.

**Chemigation Application**
Prowl H2O may be applied through sprinkler irrigation systems. Follow all directions, special instructions, and restrictions about chemigation in the Spraying Instructions section of this label.

**Tank Mixes**
Prowl H2O may be applied in a sequential use program with other herbicides labeled for use in cool-season forage grasses or applied as a tank mix with other registered herbicides that control emerged weeds. Application of postemergence herbicides may cause crop injury. BASF recommends testing Prowl H2O tank mixes on a small portion of the target crop to determine if damage is likely to occur. Consult your local BASF dealer for local tank mix options. Always perform a mixing test to check the compatibility of Prowl H2O with all potential tank mix partners and fertilizers. Follow all precautions and restrictions on the labels of all products applied in combination with Prowl H2O. Always follow the most restrictive label.

**Physical incompatibility, reduced weed control, or crop injury may result from mixing Prowl H2O with other pesticides, additives, or fertilizers.**

**Crop-specific Restrictions**
- **DO NOT** apply Prowl H2O if surface water is present in the field.
- **DO NOT** apply more than a maximum cumulative total of 4.2 quarts of Prowl H2O per acre per year.
- There is no preharvest or pre-grazing interval for Prowl H2O-treated grass forage, green chop, silage, hay, pasture, or rangeland.
- **Grazing and Preharvest Interval (PHI)** for forage and hay of mixed stand alfalfa/cool-season forage grasses - 14 days
- **DO NOT** apply Prowl H2O to mixed stands of cool-season forage grasses with other forage legumes besides alfalfa.
- Not for use in California except as directed in supplemental labeling.

### Forage Grasses (Warm-season)

**Prowl H2O** may be applied by ground or chemigation, by air, or on dry bulk fertilizer.

**Use Method, Rate, and Timing**
- **Established Bermudagrass and other Perennial Warm-season Forage Grasses.** Apply Prowl H2O in fields of Bermudagrass (and other perennial warm-season grasses including Bahiagrass, buffalograss, switchgrass, and others) grown for forage or hay production, and/or grown in pastures, rangeland, or Federal Conservation Reserve Program (CRP) land for livestock grazing.

Apply Prowl H2O only to established (defined as planted in fall or spring which has gone through a first cutting/ mowing) Bermudagrass and other perennial warm-season forage grasses.

Apply Prowl H2O before target-weed germination in the dormant season (i.e., when grasses are not actively growing in fall (postharvest), during winter dormancy period, or in early spring before greenup) or in-season between cuttings. **DO NOT** apply to Bermudagrass and other perennial warm-season grasses after greenup in spring before the first cutting.

Uniformly apply at a broadcast rate of 1.1 to 4.2 quarts of Prowl H2O per acre in a single application.

Prowl H2O may also be applied as a sequential or split program when the initial application(s) is made in the dormant season and the subsequent application(s) is made in-season between cuttings. **DO NOT** apply more than a maximum cumulative total of 4.2 quarts of Prowl H2O per acre per year.

Apply the higher rate of Prowl H2O when higher weed pressure is anticipated or when a longer duration of residual weed control is desired.

Prowl H2O may be applied in a sequential use program or as a tank mix with other registered herbicides that control emerged weeds.

Prowl H2O may cause temporary injury to Bermudagrass and other perennial warm-season grass stands. Disease, extremely cold weather, drought, extensive frost heaving, salinity, low pH, or high pH may weaken stands and make the crop more susceptible to herbicide injury.

**Chemigation Application**
Prowl H2O may be applied through sprinkler irrigation systems. Follow all directions, special instructions, and restrictions about chemigation in the Spraying Instructions section of this label.

**Tank Mixes**
Prowl H2O may be tank mixed with other herbicides labeled for use in Bermudagrass and other perennial warm-season grass fields. BASF recommends testing Prowl H2O tank mixes on a small portion of the target crop to determine if damage is likely to occur.
Application of postemergence herbicides may cause crop injury, including stunting or chlorosis of Bermudagrass and other perennial warm-season grasses. Consult your local BASF dealer for local tank mix options. Always perform a mixing test to check the compatibility of Prowl® H2O herbicide with all potential tank mix partners and fertilizers. Follow all precautions and restrictions on the labels of all products applied in combination with Prowl H2O. Always follow the most restrictive label. Physical incompatibility, reduced weed control, or crop injury may result from mixing Prowl H2O with other pesticides, additives, or fertilizers.

Crop-specific Restrictions
- DO NOT apply Prowl H2O if surface water is present in the field.
- DO NOT apply more than a maximum cumulative total of 4.2 quarts of Prowl H2O per acre per year.
- There is no preharvest interval for grass forage or hay, or for livestock grazing after application of Prowl H2O.
- Not for use in California except as directed in supplemental labeling.

Prowl H2O may be applied to the following fruiting vegetables:

<table>
<thead>
<tr>
<th>Fruit</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bell pepper</td>
<td>Nonbell pepper</td>
</tr>
<tr>
<td>Eggplant</td>
<td>Tomato</td>
</tr>
</tbody>
</table>

Use Method, Rate, and Timing
Uniformly apply Prowl H2O by ground or air as a broadcast preplant incorporated application or as a broadcast preplant surface application before transplanting fruiting vegetables.

Uniformly apply Prowl H2O only by ground as a post-directed application to transplanted or established direct-seeded fruiting vegetables.

DO NOT apply before direct-seeded fruiting vegetables.

DO NOT apply postemergence over the top of or to foliage of fruiting vegetables because severe injury may occur.

Prowl H2O can be applied as a post-directed spray on the soil at the base of the plant, beneath plants, and between rows. Avoid direct contact with foliage or stems. Roots of transplants must be established. After the post-directed spray and when sufficient rainfall or irrigation does not occur to activate the herbicide, mechanically incorporate at the time of blocking and thinning or at layby. Apply Prowl H2O before weed germination. Emerged weeds will not be controlled by this treatment.

Prowl H2O may also be applied in fruiting vegetables transplanted to raised beds. Before transplanting, apply Prowl H2O preplant nonincorporated in a band to the top of the pressed bed just before laying plastic. After transplanting, Prowl H2O may also be applied in a band to the previously untreated row middles between the transplanted beds. For banded application to the bed or row middles, DO NOT overlap spray and apply more than the maximum broadcast use rate of Prowl H2O on a per acre basis for the given soil texture.

Prowl H2O applied at 2.0 to 3.0 pts/A may aid in control or suppression of the following weeds when used as part of a comprehensive weed management program: black nightshade, hairy nightshade.

Use Rate

<table>
<thead>
<tr>
<th>Soil Texture</th>
<th>Broadcast Rate (pts/A)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coarse</td>
<td>1.0 to 1.5</td>
</tr>
<tr>
<td>Medium</td>
<td>1.5 to 2.0</td>
</tr>
<tr>
<td>Fine</td>
<td>1.5 to 3.0</td>
</tr>
</tbody>
</table>

Crop-specific Restrictions
- DO NOT apply more than 3.0 pints Prowl H2O per acre per season.
- Preharvest Interval (PHI) for tomatoes - 21 days
- Preharvest Interval (PHI) for all other fruiting vegetables - 70 days
- DO NOT plant lettuce within 6 months after a Prowl H2O application if the rows were covered with plastic.

Crop-specific Precautions
- Avoid root contact with Prowl H2O-treated soil when placing transplants into furrow or hole or injury may occur.

Grain Sorghum

Prowl H2O may be applied by ground or air.

Prowl H2O may be applied postemergence incorporated (CULTI-SPRAY) in grain sorghum grown in all states.

In addition, Prowl H2O may be applied early postemergence in grain sorghum grown in states east of the Mississippi River and in Arizona, Arkansas, eastern Texas, Louisiana, and the Missouri bootheel.

Additional Weeds Controlled. In addition to weeds listed in Table 2, Prowl H2O as a CULTI-SPRAY application controls the following weeds in grain sorghum: wild proso millet and shattercane.

Use Method, Rate, and Timing
CULTI-SPRAY. Prowl H2O treatments can be applied from the 4-inch growth stage to as late as the last cultivation (layby) of grain sorghum. See specific directions for (CULTI-SPRAY) application under Application Timing.

Early Postemergence. For use only in states east of the Mississippi River and in Arizona, Arkansas, eastern Texas, Louisiana, and the Missouri bootheel.

The seedbed should be firm and free of clods and trash. Use only where adequate tillage is practiced to provide
good seed coverage. Plant grain sorghum at least 1-1/2 inches deep to ensure good seed coverage.

**Use Rate**

**CULTI-SPRAY**

<table>
<thead>
<tr>
<th>Soil Texture</th>
<th>Southern States ¹</th>
<th>Northern States ¹</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coarse</td>
<td>1.5</td>
<td>2.0</td>
</tr>
<tr>
<td>Medium</td>
<td>2.0</td>
<td>3.0</td>
</tr>
<tr>
<td>Fine</td>
<td>3.0</td>
<td>3.0</td>
</tr>
</tbody>
</table>

¹ See Use Precautions for map of specific states.

**Early Postemergence**

<table>
<thead>
<tr>
<th>Soil Texture</th>
<th>Prowl® H2O herbicide (pts/A)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coarse</td>
<td>DO NOT USE</td>
</tr>
<tr>
<td>Medium, Fine</td>
<td>2.0</td>
</tr>
</tbody>
</table>

**Crop-specific Restrictions**

- DO NOT apply Prowl H2O in grain sorghum preplant incorporated or preemergence because serious crop injury can result.
- DO NOT apply Prowl H2O in grain sorghum more than once per crop season.
- DO NOT apply Prowl H2O as a CULTI-SPRAY treatment in grain sorghum planted in double-row beds.
- DO NOT replant grain sorghum if crop loss occurs.
- DO NOT apply in liquid fertilizer.
- Livestock can graze or be fed forage from treated grain sorghum 21 days or more after application.

**Green Onions**

Prowl H2O may be applied to the following individual crops in the green onion crop subgroup:

- Chive, fresh leaves
- Leek
- Onion, green
- Shallot, fresh leaves

Prowl H2O may be applied preemergence, postemergence, or split application by ground, air, or chemigation.

**Use Method, Rate, and Timing**

Uniformly apply 2.0 pints per acre of Prowl H2O as a broadcast spray to the soil surface as preemergence spray or as a postemergence spray to the crop at the 2 to 3 true-leaf stage at least 30 days before harvest. If Prowl H2O is to be applied sequentially as both a preemergence and postemergence spray, the preemergence spray must be applied 30 days before the postemergence spray. Onion seed must be fully covered by soil at planting. Injury may occur if onion seed is exposed to Prowl H2O.

**Chemigation Application**

Prowl H2O may be applied through sprinkler irrigation systems. Apply at 2 to 3 true-leaf stage at least 30 days before harvest. DO NOT irrigate more than of 0.5 inch of water. Follow all directions, special instructions, and restrictions about chemigation in the Spraying Instructions section of this label.

**Crop-specific Restrictions**

- DO NOT apply more than 2.0 pints per acre per application.
- DO NOT apply more than 4.0 pints per acre per season.
- Preharvest Interval (PHI) - 30 days
- DO NOT feed forage or graze livestock in treated fields.
- Not for use in California.

**Crop-specific Precautions**

- Only apply Prowl H2O preemergence to green onions grown on muck soils or on mineral soils with more than 3% organic matter.

**Hops**

Prowl H2O may be applied only by ground.

**Use Method, Rate, and Timing**

Prowl H2O may be used as part of a weed management program in baby (first year planting) and established hops. Apply Prowl H2O before target-weed germination when hops are in the dormant or vegetative growth stages.

Apply Prowl H2O as a broadcast or banded treatment (including postemergence-directed) using ground equipment. Apply the spray directly to the ground beneath the vines and/or in areas between rows. DO NOT apply over the top of vines with leaves or cones. Contact with hop foliage or cones by spray mixture or drift may cause injury.

Uniformly apply at a broadcast rate of 1.1 to 4.2 quarts of Prowl H2O per acre in a single application or sequential applications with an interval of 30 days or more.

DO NOT apply more than a maximum cumulative total of 4.2 quarts of Prowl H2O per acre per year.

Prowl H2O may be applied in a sequential use program or as a tank mix with other registered herbicides that control emerged weeds.

**Tank Mixes**

Prowl H2O may be tank mixed with other herbicides labeled for use in hops. BASF recommends testing Prowl H2O tank mixes on a small portion of the target crop to determine if damage is likely to occur.

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

**Crop-specific Restrictions**

- DO NOT apply to hops by air or through any type of irrigation system.
- DO NOT apply more than a maximum cumulative total of 4.2 quarts of Prowl H2O per acre per year.
- Preharvest Interval (PHI) for hop cones - 90 days
- Not for use in California.

**Soil Texture**

<table>
<thead>
<tr>
<th>Soil Texture</th>
<th>Southern States ¹</th>
<th>Northern States ¹</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coarse</td>
<td>1.5</td>
<td>2.0</td>
</tr>
<tr>
<td>Medium</td>
<td>2.0</td>
<td>3.0</td>
</tr>
<tr>
<td>Fine</td>
<td>3.0</td>
<td>3.0</td>
</tr>
</tbody>
</table>

¹ See Use Precautions for map of specific states.
**Lentil and Peas**

**Prowl® H2O herbicide** may be applied to lentil and the following peas: dry, dwarf, edible-podded, English, garden, green, and pigeon.

**Prowl H2O** may be applied by ground, air, or on dry bulk fertilizer (only fall and preplant incorporated applications).

**Use Method, Rate, and Timing**

**Prowl H2O** may be applied preplant surface or preplant incorporated in lentil and peas.

**Preplant Surface and Preplant Incorporated (Fall Application in Idaho, Minnesota, Montana, North Dakota, Oregon, South Dakota, Washington, and Wyoming).** Apply **Prowl H2O** and incorporate (rainfall, irrigation, or mechanically) in late fall before planting lentils or peas the following spring. Apply **Prowl H2O** in the late fall when soil temperatures are 45° F or below but before the ground freezes.

**DO NOT** apply when the air temperature is below 45° F.

Rainfall or irrigation is required for incorporation and activation. Unpredictable weed control can be expected because factors like length of time between application and planting as well as uncontrollable weather factors determine herbicide activity and longevity.

**Preplant Incorporated.** **Prowl H2O** may be applied within 60 days of planting. After application, rotary hoeing and shallow cultivation/tillage can be practiced without reducing weed control. Avoid tillage that will bring untreated soil to the surface.

**Use Rate**

**Preplant Surface**, **Preplant Incorporated**

<table>
<thead>
<tr>
<th>Soil Texture</th>
<th>Broadcast Rate (pts/A)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coarse</td>
<td>1.5</td>
</tr>
<tr>
<td>Medium</td>
<td>2.0</td>
</tr>
<tr>
<td>Fine</td>
<td>3.0</td>
</tr>
</tbody>
</table>

*Follow seasonal restrictions and/or state-specific instructions.*

**State-specific Instructions**

**Idaho, Montana, North Dakota, Oregon, and Washington**

**Prowl H2O** may be applied to lentil or peas (dry peas only) grown in no-tillage and/or minimum-tillage systems in Idaho, Montana, North Dakota, Oregon, and Washington. Preplant surface application must be made within 30 days of planting. When planting, ensure the seed furrow is fully closed because conditions that allow the seed furrow to inadequately close and/or allow **Prowl H2O** to contact the seed may result in crop injury. Certain unfavorable environmental conditions, including cool temperatures, excessive moisture after application, and wet and/or compacted soil conditions, may result in delayed emergence and stunting with **Prowl H2O** use in lentil or peas. Adequate rainfall or irrigation after application before weed seedling germination provides the most effective weed control. Herbicide performance from surface application may be decreased compared to soil incorporated application.

**Idaho, Oregon, and Washington**

**Prowl H2O** may be applied postplant preemergence only to lentil or all peas grown in conventional-tillage systems in Idaho, Oregon, and Washington. Application must be made within 2 days of planting. Apply up to but not more than 1.5 pts/A. Apply to a firm seedbed free of clods. Soil conditions that cause poor seed furrow closure and coverage may result in delayed emergence and stunting of the crop. Under certain environmental conditions including cool temperatures, excessive moisture after application, and wet soil conditions may result in delayed emergence and stunting with **Prowl H2O** use in lentil or peas. Adequate rainfall or irrigation after application before weed seedling germination provides the most effective weed control.

**Crop-specific Restrictions**

- **DO NOT use in California.**
- **DO NOT** apply **Prowl H2O** preemergence in peas unless otherwise noted in state-specific instructions.
- **DO NOT** apply **Prowl H2O** more than once per cropping season.
- **DO NOT** apply to lentil or peas, lentil or pea forage, pea silage, pea hay, or pea straw grown for livestock feed.
- **DO NOT** apply in any type of irrigation system.

**Crop-specific Precautions**

- Any crop registered for a preplant incorporated application of **Prowl H2O** can be double cropped after peas.

**Melons**

**Prowl H2O** may be applied in the following melons: cantaloupe, citron melon, muskmelon, and watermelon.

**Prowl H2O** may be applied only by ground.

**Use Method, Rate, and Timing**

**Prowl H2O** may be applied sequentially in melon production. Initially apply up to 2.1 pints per acre of **Prowl H2O** as a shielded application between rows with 6 inches on either side of row middles (before melon transplanting or before a seeded crop has emerged) or between rows covered with plastic mulch (before holes are punched in plastic for melon planting). Make a second shielded application at up to 2.1 pints per acre of **Prowl H2O** between rows with a minimum of 6 inches on either side of stem or vines or between plastic mulch before melon vine running. The interval between the sequential **Prowl H2O** applications must be at least 21 days. Avoid spray contact with melon foliage or running vines because crop injury will occur.

**Crop-specific Restrictions**

- **DO NOT** apply more than 2.1 pints per acre in a single application or more than 4.2 pints per acre per season.
- **Preharvest Interval (PHI) - 35 days**
- **DO NOT** feed forage or graze livestock in treated fields.
- Not for use in California.
**Mint (Peppermint and Spearmint)**

**Prowl® H2O herbicide** may be applied by ground or air.

### Use Method, Rate, and Timing

Make a single broadcast preemergence application of **Prowl H2O** at 1.5 pints to 4.0 pints per acre, depending on soil texture (see chart following), to dormant established mint before weed germination. After **Prowl H2O** application, temporary crop injury may be observed early in the growing season as mint breaks dormancy and begins to grow.

**Prowl H2O** will not cause crop injury when applied according to the label under normal growing conditions. Nonuniform application may result in injury to crops, poor stands, or soil residues; conversely, uneven application may reduce weed control. Diseases, cold weather, excessive moisture, deep planting, low or high pH, salinity, or drought may weaken seedlings and plants and make them more susceptible to herbicide damage.

#### Use Rate

<table>
<thead>
<tr>
<th>Soil Texture</th>
<th>Broadcast Rate (pts/A)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coarse</td>
<td>1.5 to 2.0</td>
</tr>
<tr>
<td>Medium</td>
<td>2.0 to 4.0</td>
</tr>
<tr>
<td>Fine</td>
<td>2.0 to 4.0</td>
</tr>
</tbody>
</table>

**Crop-specific Restrictions**

- **DO NOT** apply **Prowl H2O** to mint in the first year of growth and establishment.
- **DO NOT** apply to mint that has broken dormancy or crop injury may result. Application to mint near dormancy break can result in crop injury. Risk of crop injury increases the closer application is to mint dormancy break.
- **DO NOT** apply to mint stands that have been weakened by age, disease, cold weather, excessive moisture, or other factors that reduce crop vigor. Mint growing under stress is more susceptible to herbicide damage.
- **DO NOT** apply more than 4.0 pints per acre per season.
- **Preharvest Interval (PHI)** - 90 days
- **DO NOT** allow livestock to graze on treated spent hay or feed treated spent hay to livestock.
- **DO NOT** apply this product on mint through any type of irrigation system.

### Peanut

**Prowl H2O** may be applied by ground, air, chemigation, or on dry bulk fertilizer (only fall and preplant incorporated applications).

**DO NOT** use in California.

### Use Method, Rate, and Timing

**Preplant Incorporated.** Apply **Prowl H2O** up to 60 days before planting and incorporate.

**Preemergence.** Apply **Prowl H2O** at planting or up to 2 days after planting and before crop emergence. For peanuts grown under overhead irrigation or to prevent decreased crop pegging, adequate incorporation must be achieved by applying a minimum of 0.75 inch of overhead irrigation or rainfall within 48 hours after **Prowl H2O** application.

**Chemigation Application**

**Prowl H2O** may be applied through sprinkler irrigation systems. Follow all directions, special instructions, and restrictions about chemigation in the **Spraying Instructions** section of this label.

#### Use Rate

<table>
<thead>
<tr>
<th>Region</th>
<th>Rate (pts/A)</th>
</tr>
</thead>
<tbody>
<tr>
<td>New Mexico, Oklahoma, and Texas</td>
<td>1.0 to 2.0</td>
</tr>
<tr>
<td>Other peanut growing states*</td>
<td>2.0</td>
</tr>
</tbody>
</table>

*For heavy weed infestations, especially of Texas panicum, up to 3.2 pts/A of **Prowl H2O** can be used in Alabama, Florida, or Georgia.

### Perennial Grasses Grown for Seed Production

**Prowl H2O** may be applied to established (defined as planted in the fall or spring which has gone through a first cutting/mowing) warm-season perennial grasses (including Bermudagrass, switchgrass, and others) and to established (6 or more tillers per plant) cool-season perennial grasses (including Kentucky bluegrass, tall fescue, orchardgrass, perennial ryegrass, fine fescue, and others).

**Prowl H2O** may be applied by ground, chemigation, air, or on dry bulk fertilizer.

### Use Method, Rate, and Timing

In warm-season perennial grasses, apply **Prowl H2O** to postharvest grass during the fall or during winter dormancy or after the first seed harvest/cutting. **DO NOT** apply to warm-season perennial grasses after greenup in the spring before the first seed harvest/cutting. In cool-season perennial grasses, apply **Prowl H2O** to postharvest grass during regrowth at the beginning of significant fall rains or in spring.

Apply **Prowl H2O** before target-weed germination. Uniformly apply at a broadcast rate of 2.1 to 4.2 quarts of **Prowl H2O** per acre in a single application. **Prowl H2O** may also be applied in two split applications, with 1/2 the seasonal application rate applied in fall or winter followed by the remaining 1/2 of the seasonal application rate applied in spring. **DO NOT** apply more than a maximum cumulative total of 4.2 quarts of **Prowl H2O** per acre in any one crop season.

In warm-season and cool-season perennial grasses, use the high application rate of **Prowl H2O** where more dense infestations of targeted annual grasses, annual broadleaf weeds, or volunteer grass seedlings are anticipated, or
Crop-specific Precautions

- Some stunting and chlorosis of perennial grasses may occur with postemergence application.
- Application made after perennial grasses exceed 6 inches in height may result in poor weed control because of possible reduced spray coverage to the soil.
- Grass straw remaining after seed harvest of warm-season and cool-season perennial grasses may be used as livestock bedding, and/or grazed by or fed to livestock. The grower must notify the seed processor that there is no pesticide tolerance on grass seed screenings; therefore, it cannot be used in livestock feed.

Prowl H2O may be applied by ground, air, chemigation, or on dry bulk fertilizer (preemergence incorporated only).

Additional Weeds Controlled. In addition to the weeds listed in Table 2, Prowl H2O controls stinging nettle in potatoes.

Potato

Use Method, Rate, and Timing

Preemergence. Apply Prowl H2O after planting, but before potatoes and weeds emerge, or after dragoff.

Preemergence Incorporated. Apply Prowl H2O and incorporate after planting but before potatoes and weeds emerge. Where dragoff is practiced, apply Prowl H2O and incorporate before, at, or after dragoff, but before potatoes and weeds emerge. Take care incorporation equipment does not damage seed pieces or elongating sprouts.

Early Postemergence. Apply Prowl H2O from crop emergence to the 6-inch growth stage. DO NOT apply Prowl H2O postemergence if potatoes are under stress from cold/wet or hot/dry conditions or crop injury may occur.

Chemigation Application

Prowl H2O may be applied through sprinkler irrigation systems. Apply Prowl H2O preemergence after planting, after dragoff, or early postemergence through sprinkler irrigation systems. Follow all directions, special instructions, and restrictions about chemigation in the Spraying Instructions section of this label.

Use Rate

<table>
<thead>
<tr>
<th>Soil Texture</th>
<th>&lt; 3% Organic Matter &gt; 3%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coarse</td>
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<td>Medium</td>
<td>2.0</td>
</tr>
<tr>
<td>Fine</td>
<td>3.0</td>
</tr>
</tbody>
</table>

Crop-specific Precautions

- DO NOT apply to sweet potatoes or yams.
- DO NOT apply preplant.
- DO NOT make more than one application of Prowl H2O per season.
Crop-specific Precautions
• Application of Prowl® H2O herbicide on White Rose variety potatoes during or followed by cool and/or wet weather conditions may result in crop injury.

Rice

Prowl H2O may be applied by ground, air, or on dry bulk fertilizer (delayed preemergence and early postemergence applications only) to rice grown under conventional-tillage, reduced-tillage, minimum-tillage, or no-till systems, or on stale seedbeds.

Additional Weeds Controlled. In addition to weeds listed in Table 2, Prowl H2O controls the following weeds in rice: junglerice and sprangletop.

Use Method, Rate, and Timing

Delayed Preemergence. Apply Prowl H2O alone or with tank mix partner for delayed preemergence weed control in grain-drilled, dry-seeded rice. Apply Prowl H2O alone or in tank mix to leves after the leves are pulled and planted. The seedbed should be firm and free of clods and must be prepared to allow for good seed coverage. Use of a planter under conditions that do not allow good soil coverage of the rice seed can result in reduced stand or stunting if Prowl H2O contacts germinating rice seed. Exposed seeds that come in contact with Prowl H2O may be injured. Apply only when growing conditions favor vigorous rice growth. The seedbed should have adequate moisture for seed germination. Not for use in grain-drilled, dry-seeded rice in California.

Uniformly apply the specified rate of Prowl H2O after rice planting and before rice emergence (spiking) and weed germination. Apply after rice seed has absorbed water and germinated and after the soil has been previously sealed over the seed by at least 1 inch of rainfall or by irrigation (flush). If the soil has not been sealed by rain or flush, apply when 80 percent of germinated seeds have a primary root (radicle) or shoot at least 1/2-inch long. If there is insufficient moisture, BASF recommends flushing before Prowl H2O application to supply moisture for root (radicle) initiation and for vigorous rice and weed growth.

If applied to soil before these conditions, or to cracked soil, stand reduction or stunting of rice may occur. Under some conditions, use of gibberellic acid-treated seed, heavy rainfall after application, or flushing after application may result in herbicide injury to rice. Rice can overcome moderate injury with appropriate cultural practices.

Because of the residual activity of Prowl H2O, this treatment may be applied if rice is too small to maintain a flood on the field for weed control. However, proper water management practices must be followed for normal rice growth and activity of Prowl H2O.

Early Postemergence. Apply Prowl H2O as a tank mix partner in dry-seeded rice. Base applications on weed and crop size guidelines of the tank mix partner. DO NOT apply to fields with standing water. If necessary, fields may be flushed before treatment to produce vigorous rice and weed growth. Because soil and weeds must be completely exposed to spray coverage, no flood water should be on the field at the time of application. Cloddy soil, standing water (puddles) at the time of application, or cracks in the soil that form after application may result in reduced weed control. Because of residual activity of Prowl H2O, this treatment may be applied if rice is too small to maintain a flood on the field for weed control. However, proper water management practices must be followed for normal rice growth and activity of Prowl H2O.

Postemergence (California water-seeded rice only). As a component of a comprehensive weed management program, apply Prowl H2O alone or tank mixed with a postemergence herbicide after water-seeded rice has reached the 4-leaf to 6-leaf stage (spike plus 3 to 5 true leaves). Applications made before 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) before application. DO NOT apply to rice that is leaning over and/or laying flat to the ground after flood removal since this is characteristic of a poorly established root system. Rice roots must be below the Prowl H2O-treated soil zone. Injury, stunting, and/or stand reduction can occur if Prowl H2O contacts the rice roots.

Fields must be completely drained and free of standing water (moist/saturated soil) before application. If soil is saturated at the time of application, allow the soil surface to dry before restoring the permanent flood. Prowl H2O requires alternate wetting/drying cycles to be activated. Weed control will be reduced if the soil surface is not allowed to dry out before restoration of the permanent flood. Resume normal water management practices after permanent flood restoration.

Prowl H2O does not control weeds postemergence; therefore, Prowl H2O must be tank mixed with a postemergence herbicide to control emerged weeds at the time of application.

Prowl H2O aids in 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), sprangletop, smallflower umbrella sedge*, redstem* 

* Suppression only

In California water-seeded rice, Prowl H2O may be applied with aerial or ground application equipment. For aerial application, apply the specified rate of Prowl H2O in 5 gallons to 10 gallons of water per acre. If applied as a tank mix with another herbicide, make sure proper gallonage per acre per label directions (i.e. 10 to 15 with propanil) is used to ensure thorough coverage. To minimize drift, DO NOT apply during periods of wind more than 10 mph, or when wind conditions favor drifting, or if there is a
temperature inversion. BASF recommends 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 specified rate of **Prowl H2O** herbicide in 10 gallons to 20 gallons of water per acre. If **Prowl H2O** is applied as a tank mix with another herbicide, make sure proper gallonage per acre per label directions (i.e. 20 to 30 for propanil) is used to ensure thorough coverage. Use a calibrated low-pressure (20 PSI to 40 PSI) sprayer equipped with appropriate nozzles for 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 H2O** during periods of gusty winds or when wind velocity is more than 20 mph.

**Postemergence Tank Mixes:** To control emerged weeds at application, **Prowl H2O** may be tank mixed with one of the following postemergence herbicides:

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

When using tank mixes with **Prowl H2O**, 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.

**Crop-specific Restrictions (for water-seeded rice)**
- **DO NOT** apply **Prowl H2O** before 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 before application.
- **DO NOT** apply to fields with standing water.
- **DO NOT** apply **Prowl H2O** through any type of irrigation system.
- **DO NOT** apply in liquid fertilizer.
- **DO NOT** spray target crop within 60 feet of sensitive crops (crops not listed on the **Prowl H2O** label).
- **DO NOT** spray target crop within 60 feet of crops labeled for **Prowl H2O** application where the method of application, rate, or timing of spray application is prohibited.
- **DO NOT** apply more than the maximum rate for any soil type in one season.
- **DO NOT** use water containing **Prowl H2O** residues from rice cultivation to irrigate food or feed crops not registered for use with **Prowl H2O**.

In case of a crop failure because of weather conditions or disease after treatment with **Prowl H2O** alone or in tank mix, 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. BASF recommends a 10% increase in seeding rate. Replant seed below the herbicide layer because reduced stand or stunting may occur if **Prowl H2O** contacts germinating rice seed. **DO NOT** replant gibberellic acid-treated seed. **DO NOT** reapply **Prowl H2O** alone or in tank mix.

**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.

**Use Rate**

**Delayed Preemergence**

<table>
<thead>
<tr>
<th>Soil Texture</th>
<th>Rate (pts/A)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sands, loamy sands</td>
<td><strong>DO NOT USE</strong></td>
</tr>
<tr>
<td>Sandy loams</td>
<td>1.5</td>
</tr>
<tr>
<td>Loams, silt loams, silts, sandy clay loams</td>
<td>2.0</td>
</tr>
<tr>
<td>Silty clay loams, clay loams, sandy clays, silty clays, clays</td>
<td>2.0</td>
</tr>
</tbody>
</table>

**Early Postemergence**

<table>
<thead>
<tr>
<th>Soil Texture</th>
<th>Rate (pts/A)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coarse</td>
<td>1.5</td>
</tr>
<tr>
<td>Medium</td>
<td>2.0</td>
</tr>
<tr>
<td>Fine</td>
<td>2.0</td>
</tr>
</tbody>
</table>

**Postemergence in California Water-seeded Rice**

<table>
<thead>
<tr>
<th>Soil Texture</th>
<th>Rate (pts/A)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coarse</td>
<td>1.5</td>
</tr>
<tr>
<td>Medium</td>
<td>2.0</td>
</tr>
<tr>
<td>Fine</td>
<td>2.0</td>
</tr>
</tbody>
</table>

**Crop-specific Restrictions**

- **DO NOT** apply **Prowl H2O** through any type of irrigation system.
- **DO NOT** apply in liquid fertilizer.
- **DO NOT** apply to rice fields if fields are used for fish production, especially catfish farming.
- **Prowl H2O** may be applied to rice fields used for crayfish production.
- **DO NOT** use water containing **Prowl H2O** residue from rice cultivation to irrigate food or feed crops not registered for use with **Prowl H2O**.

In case of crop failure because of weather conditions or disease after treatment with **Prowl H2O** alone or in tank mix, 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. BASF recommends a 10% increase in seeding rate. Replant seed below the herbicide layer because reduced stand or stunting may occur if **Prowl H2O** contacts germinating rice seed. **DO NOT** replant with gibberellic acid-treated seed. **DO NOT** reapply **Prowl H2O** alone or in tank mix.
DO NOT apply Prowl H2O herbicide and then flush for germination.

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.

DO NOT apply early preemergence or preplant incorporated because severe rice injury is possible.

Prowl H2O may be applied to safflower by ground, air, or on dry bulk fertilizer (only fall and preplant incorporated applications).

Plant safflower 1-1/2 inches to 2-inches deep and completely cover with soil. In California, plant safflower deep enough to completely cover with soil.

Use Method, Rate, and Timing

Preplant Incorporated. In all states, apply within 60 days of planting and incorporate.

Preplant Incorporated

Fall Application in Minnesota, Montana, North Dakota, and South Dakota. Apply Prowl H2O and immediately incorporate in late fall before planting safflower the following spring. Apply Prowl H2O in the late fall when soil temperatures are 45°F or below but before the ground freezes. DO NOT apply when air temperature is below 45°F. Before safflower planting in the spring, fields treated with Prowl H2O should receive at least one shallow additional incorporation. Spring incorporation should be at an angle to the last tillage operation.

Fall Application in California. Apply Prowl H2O and immediately incorporate during tillage operations in the fall to target winter annual weeds before planting safflower the following spring. Before safflower planting in the spring, fields treated with Prowl H2O should receive at least one additional incorporation.

Preemergence. Apply Prowl H2O at planting or up to 2 days after planting.

Preemergence application of Prowl H2O to safflower may increase the likelihood of crop injury, especially when crops are grown in stress situations, including compacted soils. Decreased herbicide performance compared to preplant incorporated application may also result from a preemergence application. If dry conditions with limited precipitation exist or unseasonably cool temperatures after planting are forecast, apply Prowl H2O before planting and mechanically incorporate with tillage. Prowl H2O may be applied preemergence in conventional-tillage safflower.

Preemergence application of Prowl H2O to safflower grown in California must be followed with irrigation or rainfall to establish a crop stand.

No-till Safflower. Prowl H2O may be applied at 3.0 pts/A up to 30 days before planting (preplant) to immediately after planting (preemergence). DO NOT use in California.

Use Rate

Preplant Incorporated, Preemergence

<table>
<thead>
<tr>
<th>Soil Texture</th>
<th>Southern States&lt;sup&gt;1&lt;/sup&gt; (pts/A)</th>
<th>Northern States&lt;sup&gt;1&lt;/sup&gt; (pts/A)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coarse</td>
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<td>2.0</td>
</tr>
<tr>
<td>Medium</td>
<td>2.0</td>
<td>2.5</td>
</tr>
<tr>
<td>Fine</td>
<td>3.0</td>
<td>3.0</td>
</tr>
</tbody>
</table>

<sup>1</sup>See Use Precautions for map of specific states.

Preplant Incorporated (Fall)<sup>1</sup>

<table>
<thead>
<tr>
<th>Soil Texture</th>
<th>&lt; 3% Organic Matter &gt; 3% (pts/A)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coarse</td>
<td>2.5</td>
</tr>
<tr>
<td>Medium</td>
<td>3.0</td>
</tr>
<tr>
<td>Fine</td>
<td>3.5</td>
</tr>
</tbody>
</table>

<sup>1</sup>For use in California, Minnesota, Montana, North Dakota, and South Dakota only.

Crop-specific Restrictions (All Tillage Types)

- DO NOT apply Prowl H2O postemergence.
- DO NOT apply more than the highest rate per acre for any soil type.
- DO NOT feed forage or graze livestock in treated safflower fields.

Soybean

Prowl H2O may be applied by ground, air, or on dry bulk fertilizer (only fall and preplant incorporated applications).

Prowl H2O may be applied to soybean grown under conventional-tillage, minimum-tillage, or no-till systems.

Additional Weeds Controlled. In addition to weeds listed in Table 2, Prowl H2O controls or suppresses the following weeds in soybean: red rice and itchgrass. For specific rates for itchgrass and red rice management, see table at end of this section.

Use Method, Rate, and Timing

Fall Applied. Prowl H2O may be surface applied or incorporated in the fall, after fall harvest and before ground freeze in states north of I-80 and the entire states of Illinois, Indiana, Iowa, Kansas, Kentucky, Missouri, Nebraska, Ohio, Oklahoma, and Texas. Fall application of Prowl H2O will not provide season-long weed control.

Preplant Surface. Apply Prowl H2O within 15 days of planting. Prowl H2O may be applied within 45 days of planting when used in tank mix or applied sequentially with Extreme® herbicide, Pursuit® herbicide, or Raptor® herbicide.

Preplant Incorporated. Apply Prowl H2O within 60 days of planting and incorporate.

Preemergence. Apply Prowl H2O at planting or within 2 days after planting. Apply to a firm seedbed free of clods.
DO NOT apply Prowl® H2O herbicide preemergence north of Interstate 80, except in the states of Indiana, Michigan, and Ohio.

Use Rate

Fall Surface, Fall Incorporated, Preplant Surface, Preplant Incorporated

<table>
<thead>
<tr>
<th>Soil Texture</th>
<th>&lt; 3% Organic Matter</th>
<th>&lt; 3% Organic Matter &gt; 3%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coarse</td>
<td>1.5</td>
<td>2.0</td>
</tr>
<tr>
<td>Medium</td>
<td>2.5*</td>
<td>3.0</td>
</tr>
<tr>
<td>Fine**</td>
<td>3.0</td>
<td>3.0</td>
</tr>
</tbody>
</table>

*DO NOT apply more than 2.1 pts for Southern states; see Use Precautions for map of specific states.

**For heavy clay soils, apply Prowl H2O at the broadcast rate of 3.2 pints per acre.

Preemergence

<table>
<thead>
<tr>
<th>Soil Texture</th>
<th>&lt; 3% Organic Matter</th>
<th>&lt; 3% Organic Matter &gt; 3%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coarse</td>
<td>1.5</td>
<td>1.5</td>
</tr>
<tr>
<td>Medium</td>
<td>2.0</td>
<td>2.0</td>
</tr>
<tr>
<td>Fine</td>
<td>2.0</td>
<td>2.5</td>
</tr>
</tbody>
</table>

Preplant Incorporated

Red Rice Control and Itchgrass Suppression

<table>
<thead>
<tr>
<th>Soil Texture</th>
<th>Up to 3% Organic Matter</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coarse</td>
<td>3.0</td>
</tr>
<tr>
<td>Medium</td>
<td>3.0</td>
</tr>
<tr>
<td>Fine</td>
<td>4.0</td>
</tr>
</tbody>
</table>

DO NOT use on soils with more than 3% organic matter.

Crop-specific Restrictions

- DO NOT use Prowl H2O in soybean in California.
- Livestock can graze or be fed forage from treated soybean fields.
- Preharvest Interval (PHI) - 85 days
- DO NOT apply more than one application per crop season at the highest rate per acre for any given soil type and application method.

Strawberry

Prowl H2O may be applied by ground, air, or chemigation.

Use Method, Rate, and Timing

Stunting, reduced growth, or reduction in daughter plants may occur with use of Prowl H2O in strawberries.

Uniformly apply 1.5 to 3.0 pints per acre of Prowl H2O as a broadcast spray to the soil surface at pretransplant time or post-transplant time (must be within 7 days of transplanting of rootstock in the Pacific Northwest).

However, in areas where irrigation is used daily (frequently) after transplanting, apply Prowl H2O just before the end of the watering regime to maximize weed control benefits of Prowl H2O. Extended periods of irrigation may reduce residual control provided by Prowl H2O.

However, Prowl H2O applications to row middles between the beds are allowed. DO NOT apply post-transplant if new foliage from rootstock is exposed to spray area. A second application of 1.5 to 3.0 pints per acre of Prowl H2O may be applied in a band to the soil between crop rows (or between the plastic beds) 35 days before harvest, but DO NOT CONCENTRATE THE RATE per acre into the treated area, and DO NOT allow spray to contact strawberry plants. The second application rate is based on per unit of treated area.

Prowl H2O may also be applied to strawberries in fall or winter dormancy. Uniformly apply 1.5 to 3.0 pints per acre of Prowl H2O as a broadcast spray to the soil surface before onset of new seasonal growth from strawberry crowns. DO NOT apply if new seasonal growth (leaves) has emerged or is exposed.

Prowl H2O may also be applied to perennial strawberries after renovation. Uniformly apply 1.5 to 3.0 pints per acre of Prowl H2O as a broadcast spray to the soil surface after renovation (mowing or other defoliation operation) when no foliage is exposed but before onset of new seasonal growth from strawberry crowns. DO NOT apply if new seasonal growth (leaves) has emerged or leaves are exposed.

Chemigation Application

Prowl H2O may be applied through sprinkler irrigation systems. Follow all directions, special instructions, and restrictions about chemigation in the Spraying Instructions section of this label. DO NOT allow Prowl H2O-treated irrigation water to contact strawberry plants.

Use Rate

<table>
<thead>
<tr>
<th>Soil Texture</th>
<th>Broadcast Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coarse</td>
<td>1.5</td>
</tr>
<tr>
<td>Medium</td>
<td>2.0 to 2.5</td>
</tr>
<tr>
<td>Fine</td>
<td>2.5 to 3.0</td>
</tr>
</tbody>
</table>

Crop-specific Restrictions

- DO NOT apply more than 3.0 pints per acre per application.
- DO NOT apply more than 6.0 pints per acre per season.
- Preharvest Interval (PHI) - 35 days
- DO NOT feed forage or graze livestock in treated fields.
- DO NOT plant lettuce within 6 months after a Prowl H2O application if strawberry beds were covered with plastic.
Additional Use in Oregon and Washington in First Year Nonbearing Strawberries

Uniformly broadcast apply Prowl® H2O herbicide preemergence before transplanting strawberries. DO NOT harvest for food or feed any portion of the strawberry plant within 1 year (365 days) of Prowl H2O application. DO NOT apply Prowl H2O through any type of irrigation system or by air.

Broadcast Use Rate
First Year Nonbearing Strawberries

<table>
<thead>
<tr>
<th>Soil Texture</th>
<th>&lt; 3% Organic Matter</th>
<th>&gt; 3% (pts/A)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coarse</td>
<td>1.5 to 2.0</td>
<td>2.0 to 3.0</td>
</tr>
<tr>
<td>Medium</td>
<td>2.0 to 2.5</td>
<td>2.0 to 3.0</td>
</tr>
<tr>
<td>Fine</td>
<td>2.0 to 3.0</td>
<td>2.5 to 3.5</td>
</tr>
</tbody>
</table>

Sugarcane

Prowl H2O may be applied by ground or air.

Use Method, Rate, and Timing
Prowl H2O may be applied preemergence through layby to plant or ratoon sugarcane. Although there may be adequate crop tolerance for postemergence application at layby, the spray must be directed under the sugarcane canopy to obtain effective weed control.

Use Rate

<table>
<thead>
<tr>
<th>Use Area</th>
<th>Broadcast Rate¹ (pts/A)</th>
</tr>
</thead>
<tbody>
<tr>
<td>All states, except Hawaii</td>
<td>4.2 to 6.2</td>
</tr>
<tr>
<td>Muck soils (Florida only)</td>
<td>4.2 to 8.4</td>
</tr>
<tr>
<td>Hawaii</td>
<td>4.2 to 8.4</td>
</tr>
</tbody>
</table>

¹ Use the high rate if: heavy clay soils; no mechanical incorporation is planned; heavy weed populations are anticipated; itchgrass infestation is anticipated; no shaving is planned.

Additional Use as Fallow Ground Application Only in Louisiana. Apply Prowl H2O before weed germination for control of annual grasses including itchgrass (Raoulgrass), seedling Johnsongrass, and Panicum spp. in preplant fallow ground sugarcane. If necessary, control emerged weeds before application of Prowl H2O with postemergence herbicides and/or mechanical cultivation.

After cultivation and forming the beds in the spring, apply Prowl H2O at 2.6 qts/A using ground equipment. Sugarcane beds should be free of trash or clods at the time of application. If sufficient rainfall (1/2 to 3/4 inch) has not occurred within 7 days of application, perform a shallow incorporation (1 to 2 inches) with an additional pass of a Lilliston-type Lely Roterra™ cultivator set to cut 2-inches or 3-inches deep. A minimum interval of 60 days between Prowl H2O application and planting of sugarcane is required or crop injury may occur. After planting, apply Prowl H2O to sugarcane preemergence through layby, but DO NOT apply more than 12.5 pts/A of Prowl H2O during one growing season.

Noncropped Water Drainage Areas Application Only in Louisiana. Apply Prowl H2O before weed germination to nonirrigated, noncropped water drainage areas (ditchbanks) adjacent to sugarcane fields. If necessary, control emerged weeds before application of Prowl H2O with postemergence herbicides and/or mechanical cultivation.

Apply Prowl H2O at 2.6 to 3.5 qts/A using ground equipment. DO NOT apply Prowl H2O below the high water mark or when water is present in the drainage area (ditchbank). DO NOT apply more than 12.5 pts/A of Prowl H2O during one growing season.

Areas in Hawaii Subject to High Winds. For wind speeds between 10 to 20 mph, DO NOT apply in a manner that allows spray to drift from the application target site. Use drift-mitigating measures, including lowering the spray boom; use coarse spray according to ASAE 572 definition for standard nozzles; use hooded or shielded sprayers; use spray drift retardants; or use any other measures known to control drift.

Crop-specific Restrictions
• DO NOT apply more than 12.5 pints of Prowl H2O per acre in one growing season.
• DO NOT use less than 11 gallons of water as a carrier when applying Prowl H2O for weed control.
• DO NOT make aerial application at close-in because complete and uniform coverage cannot be obtained.
• DO NOT apply through any type of irrigation system.
• Preharvest Interval (PHI) - 90 days
• DO NOT graze treated fields or feed treated forage or fodder to livestock.

Crop-specific Precautions
• Ratoon sugarcane must be lightly shaved in early spring to remove the old stubble before incorporation over the line of sugarcane is possible. Carefully adjust equipment to incorporate without causing excessive damage to emerging shoots.

Sunflower

Prowl H2O may be applied by ground, air, or on dry bulk fertilizer (only fall and preplant incorporated applications).

Plant sunflower 1-1/2-inches to 2-inches deep and completely cover with soil.

Use Method, Rate, and Timing
Preplant Incorporated (Spring). In all states, apply within 60 days of planting and incorporate.

Preplant Incorporated (Fall Applications Only in Minnesota, North Dakota, and South Dakota). Apply Prowl H2O and immediately incorporate in late fall before planting sunflower the following spring. Apply Prowl H2O in late fall when soil temperatures are 45° F or below but before the ground freezes. DO NOT apply when air
temperature is below 45º F. Before sunflower planting in the spring, fields treated with Prowl® H2O herbicide should receive at least one shallow additional incorporation. Spring incorporation should be at an angle to the last tillage operation.

**Preemergence.** Apply Prowl H2O at planting or up to 2 days after planting. Preemergence application of Prowl H2O to sunflower may increase the likelihood of crop injury, especially when crops are grown in stress situations, including compacted soils. Decreased herbicide performance compared to preplant incorporated application may also result from a preemergence application. If dry conditions with limited precipitation exist or unseasonably cool temperatures after planting are forecast, apply Prowl H2O before planting and mechanically incorporate with tillage. Prowl H2O may be applied preemergence in conventional tillage sunflower, except in the state of California.

**No-till Sunflower.** Prowl H2O may be applied at 3.0 pts/A up to 30 days before planting (preplant) to immediately after planting (preemergence). DO NOT use in California.

**Use Rate**

**Preplant Incorporated (Spring), Preemergence (Conventional Tillage)**

<table>
<thead>
<tr>
<th>Soil Texture</th>
<th>Southern States&lt;sup&gt;1&lt;/sup&gt; (pts/A)</th>
<th>&lt; 3% Organic Matter &gt; 3% (pts/A)</th>
<th>Northern States&lt;sup&gt;1&lt;/sup&gt;</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coarse</td>
<td>1.5</td>
<td>2.0</td>
<td>2.0</td>
</tr>
<tr>
<td>Medium</td>
<td>2.0</td>
<td>2.5</td>
<td>3.0</td>
</tr>
<tr>
<td>Fine</td>
<td>3.0</td>
<td>3.0</td>
<td>3.0</td>
</tr>
</tbody>
</table>

<sup>1</sup> See Use Precautions for map of specific states.

**Preplant Incorporated (Fall)<sup>1</sup>**

<table>
<thead>
<tr>
<th>Soil Texture</th>
<th>&lt; 3% Organic Matter &gt; 3% (pts/A)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coarse</td>
<td>2.5</td>
</tr>
<tr>
<td>Medium</td>
<td>3.0</td>
</tr>
<tr>
<td>Fine</td>
<td>3.5</td>
</tr>
</tbody>
</table>

<sup>1</sup> For use in Minnesota, North Dakota, and South Dakota only.

**Crop-specific Restrictions (All Tillage Types)**

- DO NOT apply Prowl H2O postemergence.
- DO NOT feed forage or graze livestock in treated sunflower fields.

Applied according to directions and under normal growing conditions, Prowl H2O will not harm transplanted tobacco. Under stress conditions for plant growth, including cold/wet or hot/dry weather, Prowl H2O can produce a temporary retardation of tobacco development.

**Layby.** Prowl H2O may be applied as a directed spray after the last normal cultivation (layby), usually 4 to 6 weeks after transplanting tobacco. Apply Prowl H2O in a 16-inch to 24-inch band between the crop rows. DO NOT contact tobacco plants with spray.

**Use Rate**

**Preplant Incorporated**

<table>
<thead>
<tr>
<th>Use Area</th>
<th>Soil Texture</th>
<th>Rate (pts/A)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Florida</td>
<td>Coarse</td>
<td>2.0</td>
</tr>
<tr>
<td>Georgia</td>
<td>Medium</td>
<td>2.0</td>
</tr>
<tr>
<td>Maryland</td>
<td>sandy clay loams, loams</td>
<td>2.0</td>
</tr>
<tr>
<td>North Carolina</td>
<td>silt loams, silts</td>
<td>2.5</td>
</tr>
<tr>
<td>South Carolina</td>
<td>Fine</td>
<td>2.5</td>
</tr>
<tr>
<td>Virginia</td>
<td>Coarse</td>
<td>2.0</td>
</tr>
<tr>
<td></td>
<td>Medium</td>
<td>3.0</td>
</tr>
<tr>
<td></td>
<td>Fine</td>
<td>3.0</td>
</tr>
</tbody>
</table>

**Layby**

<table>
<thead>
<tr>
<th>Soil Texture</th>
<th>Broadcast Rate (pts/A)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coarse</td>
<td>1.5</td>
</tr>
<tr>
<td>Medium</td>
<td>2.0</td>
</tr>
<tr>
<td>Fine</td>
<td>2.0</td>
</tr>
</tbody>
</table>

**Crop-specific Restrictions**

- DO NOT apply as a broadcast spray or contact may cause malformed tobacco leaves.

**Wheat and Triticale**

Prowl H2O may be applied by ground, air, chemigation, or on dry bulk fertilizer.

Prowl H2O may be applied postemergence for weed control in fall-seeded, winter-seeded, or spring-seeded wheat or triticale.

**Use Method, Rate, and Timing**

Apply to a seedbed which is firm and free of clods and trash. The seedbed MUST be prepared to ensure thorough seed coverage by the soil and seed-to-soil contact. Use high quality seed. When application of Prowl H2O is intended to be made postemergence, plant seed at least 1/2-inch to 1-inch deep to avoid crop injury.

Uniformly apply Prowl H2O postemergence from the 1st-leaf stage of wheat or triticale until before the flag leaf is visible/emerged for weed control. Apply Prowl H2O before

**Tobacco**

Prowl H2O may be applied by ground only.

**Use Method, Rate, and Timing**

**Preplant Incorporated.** Apply and incorporate within 60 days of transplanting tobacco.
weed germination. Emerged weeds will not be controlled by this treatment.

For control of established weeds, Prowl® H2O herbicide may be tank mixed with any postemergence herbicide registered for use in wheat or triticale. Prowl H2O provides residual control of weeds listed in this label. Always perform a mixing test to check the compatibility of Prowl H2O with all potential tank mix partners.

**Use Rate**

<table>
<thead>
<tr>
<th>Soil Texture</th>
<th>Southern States¹</th>
<th>Northern States¹</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coarse</td>
<td>1.5 to 2.0</td>
<td>1.5</td>
</tr>
<tr>
<td>Medium</td>
<td>1.5 to 3.0</td>
<td>1.5 to 2.5</td>
</tr>
<tr>
<td>Fine</td>
<td>2.0 to 3.0</td>
<td>2.0 to 3.0</td>
</tr>
</tbody>
</table>

¹ See Use Area map in Use Precautions.

In wheat stubble, Prowl H2O may be applied in the fall, spring, or early summer during the fallow period after wheat harvest as a planned residual treatment to control labeled broadleaf and grass weeds. Prowl H2O must be applied with a tank mix partner (i.e. glyphosate) for control of emerged weeds. There must be at least a 4-month interval between a Prowl H2O fallow application and the rotational planting of any fall-seeded cereal crop. Apply up to, but DO NOT apply more than, 3 pints/A of Prowl H2O in any fallow application. DO NOT make more than one application of Prowl H2O during a single fallow period before rotational planting of any fall-seeded cereal crops. Follow rotational crop restrictions when planting a rotational crop after a fallow application of Prowl H2O.

**Crop-specific Restrictions**
- DO NOT apply more than 3.0 pints/A of Prowl H2O per season.
- Preharvest Interval (PHI) for grain and straw - 60 days
- Preharvest Interval (PHI) for hay - 28 days
- Preharvest Interval (PHI) for forage - 11 days

**Crop-specific Precautions**
NOTE: If loss of grain crop occurs, any crop registered for Prowl H2O preplant incorporated use may be replanted the same year without adverse effects. DO NOT replant wheat or triticale.
Uses with Other Products (Tank Mixes)

If this product is used in combination with any other product except as specifically recommended in writing by BASF, then BASF shall have no liability for any loss, damage, or injury arising out of its use in any such combination not so specifically recommended. To the extent consistent with applicable law, if used in combination recommended by BASF, the liability of BASF shall in no manner extend to any damage, loss, or injury not directly caused by the inclusion of the BASF product in such combination use, and in any event shall be limited to return of the amount of the purchase price of the product.