

Supplemental Labeling
Expires: 12/31/2019



FOR DISTRIBUTION AND USE ONLY WITHIN IDAHO
EPA Reg. No. 241-337-5905 **EPA SLN No. ID-030009**

FOR WEED CONTROL AS A DELAYED PREEMERGENCE TREATMENT IN DRY BULB ONIONS

OBSERVE ALL PRECAUTIONARY STATEMENTS, MIXING AND APPLICATION INSTRUCTIONS, AND ROTATIONAL CROP RESTRICTIONS IN THE HELENA® PENDIMETHALIN LEAFLET LABEL BEFORE USING.

DISCLAIMER

HELENA CHEMICAL COMPANY INTENDS THAT THIS SECTION 24(c) LABEL BE DISTRIBUTED ONLY BY IDAHO ONION GROWERS ASSOCIATION (IOGA) TO END USERS AND/OR GROWERS WHO AGREE TO THE TERMS AND CONDITIONS REQUIRED BY THE IOGA INCLUDING A WAIVER AND RELEASE FROM ALL LIABILITY AND INDEMNIFICATION BY THE USER AND/OR GROWER OF HELENA CHEMICAL COMPANY, IOGA, AND OTHERS FOR FAILURE TO PERFORM AND CROP DAMAGE FROM THE USE OF **HELENA® PENDIMETHALIN** AS A DELAYED PREEMERGENCE TREATMENT ON DRY BULB ONIONS. IF SUCH TERMS AND CONDITIONS ARE UNACCEPTABLE RETURN **HELENA® PENDIMETHALIN** HERBICIDE AT ONCE UNOPENED.

THE USE OF **HELENA® PENDIMETHALIN** MAY RESULT IN CROP INJURY, LOSS OR DAMAGE. HELENA CHEMICAL COMPANY NEITHER RECOMMENDS, ADVOCATES NOR WARRANTS THE USE OF **HELENA® PENDIMETHALIN** ON DRY BULB ONIONS. HELENA CHEMICAL COMPANY RECOMMENDS THAT THE GROWER TEST **HELENA® PENDIMETHALIN** IN ORDER TO DETERMINE ITS SUITABILITY FOR SUCH INTENDED USE. **HELENA® PENDIMETHALIN** SHOULD BE USED BY THE GROWER ONLY TO THE EXTENT THAT, IN THE SOLE OPINION OF THE GROWER, THE BENEFIT OF USING **HELENA® PENDIMETHALIN** OUTWEIGH THE POTENTIAL INJURY TO THE GROWER'S CROP. THE DECISION TO APPLY THIS HERBICIDE MUST BE MADE SOLELY BY THE GROWER WITH THE UNDERSTANDING THAT YIELD MAY BE REDUCED AS A RESULT OF MANY FACTORS, 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, CRUSTING, FERTILITY, HARDPANS, AND THAT OTHER ADVERSE EFFECTS THAT MAY RESULT FROM THE USE OF **HELENA® PENDIMETHALIN**.

HELENA CHEMICAL COMPANY MAKES NO WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY REGARDING THE USE OF **HELENA® PENDIMETHALIN** ON DRY BULB ONIONS. THERE ARE MANY RISKS OF LOSS OR DAMAGE TO ONION CROPS ASSOCIATED WITH THE USE OF **HELENA® PENDIMETHALIN**. **HELENA® PENDIMETHALIN** HERBICIDE SOMETIMES CAUSES POOR STANDS DUE TO FAILURE OF ONION PLANTS TO EMERGE, SWELLING OF THE ROOTS AND OTHER PLANT PARTS BELOW THE GROUND, LESS VIGOROUS PLANT GROWTH AND DEVELOPMENT AND/OR REDUCTION IN YIELD POTENTIAL OF THE PLANTS, EVEN WHEN DIRECTIONS FOR USE ARE FOLLOWED PRECISELY. **HELENA® PENDIMETHALIN** MAY ALSO CAUSE INJURY TO SENSITIVE ROTATIONAL CROPS. BECAUSE OF THE RISK OF CROP DAMAGE, ALL SUCH USE IS AT THE USER'S AND/OR GROWER'S RISK.

MANUFACTURED FOR
HELENA CHEMICAL COMPANY
225 SCHILLING BOULEVARD, SUITE 300
COLLIERVILLE, TENNESSEE 38017

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

HELENA® PENDIMETHALIN herbicide controls most annual grasses and certain broadleaf weeds as they germinate, but it will not control established weeds. Unusually cold, excessively wet, or hot and dry conditions that delay germination or extend it over a long period of time may reduce weed control.

For control of annual grass and small seeded broadleaf weeds as specified in the **HELENA® PENDIMETHALIN** specimen label, uniformly plant dry bulb onions 1 inch deep and ensure that the furrow is thoroughly covered with soil.

Failure to plant dry bulb onions a minimum of 1 inch deep in the soil increases the injury potential. Apply **HELENA® PENDIMETHALIN** after germination of the onion seed but prior to emergence (**Delayed Preemergence**) when 75% of the radicals have developed on the onion seedlings. Radical emergence should be determined by digging onion seedling at random locations in a field and noting radical elongation. Apply **HELENA® PENDIMETHALIN** at rates specified in the table on this page.

HELENA® PENDIMETHALIN will not control emerged weeds. For effective weed control, **HELENA® PENDIMETHALIN** must be applied to clean tilled soil or tankmixed with a burndown herbicide to control emerged weeds prior to onion emergence.

Uniformly apply in 10 or more gallons of water per acre with ground equipment, 5 or more gallons of water per acre with aircraft. **HELENA® PENDIMETHALIN** is most effective when adequate rainfall or irrigation is received within 7 days of application. **DO NOT** apply more than 0.25 inch of initial overhead irrigation following Delayed Preemergence application of **HELENA® PENDIMETHALIN** on dry bulb onions.

Broadcast Rate per Acre of HELENA® PENDIMETHALIN herbicide Used as a Delayed Preemergence Treatment on Dry Bulb Onions*	
Soil Texture	Rate (Pints per Acre)
Coarse	2.4 pints
Medium	3.0 pints
Fine	3.6 pints

* **DO NOT** exceed a total of 3.6 pints per acre per crop.

Notes:

- (1) On coarse textured soils (> 90% sand content), the risk of crop injury is greater than with medium or fine textured soils. Potential injury may be due to variability within soil type.
- (2) Higher use rates of **HELENA® PENDIMETHALIN herbicide** within soil types may result in greater chances of crop injury.
- (3) If loss of onions occurs due to adverse weather conditions, any crop registered for **HELENA® PENDIMETHALIN** preplant incorporated use can be replanted the same year into **HELENA® PENDIMETHALIN** treated soil without adverse effects. If replanting is necessary, soil should not be reworked deeper than 2 inches.

HELENA® PENDIMETHALIN may be applied sequentially in dry bulb seeded onions. Apply first application of **HELENA® PENDIMETHALIN Delayed Preemergence**. Apply sequential application of **HELENA® PENDIMETHALIN** early postemergence (up to 9 true leaf stage).

DO NOT exceed the maximum labeled rate for a given soil texture.

DO NOT exceed a total of 3.6 pints per acre per crop.

For use under this SLN label. **DO NOT** apply this product through any type of irrigation system.

DO NOT apply preplant incorporated or preplant.

DO NOT apply within 45 days of harvest.

DO NOT feed or graze to livestock.