



## Department of Pesticide Regulation



Mary-Ann Warmerdam  
Director

Arnold Schwarzenegger  
Governor

July 10, 2006

ID #3P-218761

Ms. Betsy Peterson  
California Seed Association  
1521 I Street  
Sacramento, California 95814

Dear Ms. Peterson:

SPECIAL LOCAL NEED REGISTRATION NO. CA-060013, INTREPID 2F (EPA REG NO. 62719-442)/ ALFALFA GROWN FOR SEED PRODUCTION/ BEET ARMYWORM (*SPODOPTERA EXIGUA*) AND WESTERN YELLOWSTRIPED ARMYWORM (*SPODOPTERA PREFICA*)

The subject third-party special local need registration was issued effective **July 10, 2006**. This registration will be valid until withdrawn, suspended, or canceled by the United States Environmental Protection Agency (USEPA), the manufacturer, the 24(c) registrant or the Department of Pesticide Regulation.

A copy of the special local need Section 24(c), label is enclosed.

If you should have any questions, please contact me.

Sincerely,

John E. Inouye  
Senior Pesticide Use Specialist  
Registration Branch  
(916) 324-3538

Enclosure

cc: SLN Document Processing Desk, USEPA (w/enclosure)  
Dr. Bret, Dow AgroScience (w/enclosure)

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## Department of Pesticide Regulation



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SLN # CA-060013

REGISTRATION FOR SPECIAL LOCAL NEED  
FOR DISTRIBUTION AND USE ONLY WITHIN CALIFORNIA

**Trade Name:** Intrepid 2 F

**EPA Reg. No.:** 62719-442

**Firm Name:** Dow AgroScience LLC  
9330 Zionsville Road  
Indianapolis, Indiana 46268-1054

DIRECTIONS FOR USE

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

**Location:** Statewide

**Crop/Site/Commodity:** Alfalfa grown for seed production

**Target Pest/Problem:** Beet Armyworm (*Spodoptera exigua*) and Western Yellowstriped  
Armyworm (*Spodoptera praefica*)

**Dosage:** Apply at a rate of 4 to 16 fluid ounces of product per acre (0.06 - 0.25 pounds active ingredient per acre). A maximum of 16 fluid ounces (0.25 pounds active ingredient) per application, or 64 fluid ounces (1.0 pounds active ingredient) per acre per season shall be made.

**Early season/low infestations** - Apply at the 4 to 8 fluid ounce of product per acre when infestations reach threshold levels. Please see #2 under "Other Requirements."

**Mid-to late season/moderate to heavy infestations** - Apply 8 to 16 fluid ounce of product per acre rate. Reapply at 7 to 14 day interval to protect new growth until moth flights and/or hits subside. Use higher rates for heavier infestations and under conditions in which thorough coverage is more difficult. A heavy infestation usually includes continuous moth flights and/or egg masses and larvae in all stages of development.



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Apply in combination with a spreader binder surfactant. Please see Intrepid 2F product container label for recommendations.

**Method of Application:** Ground or Air

**Dilution Rate:** Ground: Apply in a minimum of 20 gallons of water per acre.  
Air: Apply in a minimum of 10 gallons of water per acre.

Equipment and spray volume should be carefully adjusted to assure thorough uniform coverage of infested parts of the crop. Please see #8 under "Other Requirements" for more details about drift control.

**Frequency/Timing of Application:**

Begin applications when first signs of feeding damage appear or when threshold levels of feeding damage occur. Please see #3 under "Other Requirements."

Under heavy infestations, reapply at 7 to 14 day intervals to protect new growth until moth flights and/or hits subside.

**Restricted Entry Interval (REI):** 4 hours

**Preharvest Interval:** N/A

**Other Requirements:**

1. A maximum of 60,000 acres of seed alfalfa may be treated.
2. Growers and Seed Conditioners are jointly responsible to ensure compliance with the conditions set forth in the Food and Agricultural Code Section 12832, Registration of Pesticide Products for Use on Alfalfa and vegetable crops Grown for Seed Production. Growers shall provide a properly completed "Seed Conditioner Notification" form to the person or firm accepting the seed for processing. Growers shall retain signed copies of the "Seed Conditioner Notification" form(s) for a period of not less than two years.
3. Intrepid 2F must be ingested by the target pest to be effective. The timing of application is dependent on the feeding behavior of the target pest. To manage insecticide resistance, rotate products with different modes of action. This will limit the number of applications of single products since back-to-back applications of Intrepid 2F are not recommended. Therefore, the following guidelines are recommended:

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- A recommended treatment threshold is defined when 15 non-parasitized caterpillars, at least 0.5 inches in length, are found per sweep.
  - Monitor pests and maximize the use of biological controls.
  - Apply the most selective insecticides in the initial applications to maintain natural enemy populations.
  - Do not use the same class of insecticide on successive worm generations.
4. Do not graze livestock in treated areas, or feed cover crops grown in treated areas, to livestock.
  5. Allow at least six (6) hours between the completion of an Intrepid 2F application and the onset of precipitation to assure thorough spray drying.
  6. Do not apply through any type of irrigation system. Do not apply directly to water or to areas where surface water is present. Applications should not be made to field areas which are less than 100 feet from permanent natural bodies of surface water or reservoirs.

This chemical demonstrates the properties and characteristics associated with chemicals detected in groundwater. The use of this chemical in areas where coarse-textured soils occur or where the water table is shallow or during weather conditions which favor drift or runoff from treated areas may result in groundwater contamination or runoff to surface water bodies (streams, lakes, etc.).

7. Intrepid 2F should not pose a hazard to fish and wildlife generally due to the relatively low use rates (less than one pound active ingredient per acre), low toxicity profiles and low potential for exposure of wildlife from use as directed in seed alfalfa. For protection of federally listed species, applicators should follow instructions in the *Interim Measures Bulletin for Insecticides* available from the county agricultural commissioner.
8. In order to minimize risk of spray drift, the following measures must be followed:
  - a) The distance of the outer-most nozzles on the boom must not exceed  $\frac{3}{4}$  of the length of the wingspan or rotor.
  - b) Nozzles must always point backward parallel with the air stream and never be pointed downwards more than 45 degrees.
  - c) Do not exceed the nozzles manufacturer's recommended pressures. For many nozzle types, lower pressure produces larger droplets. When higher flow rates are needed, use higher flow rate nozzles instead of increasing pressure.
  - d) Use minimum number of nozzles that provide uniform coverage.

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- e) Use a nozzle type that is designed for the intended application. With most nozzle types, narrower spray angles produce larger droplets.

Consider using lower-drift nozzles. Solid stream nozzles oriented straight back produces the largest droplets and the least drift.

- f) Applications should not be made at a height greater than 10 feet above the top of the largest plants, unless a greater height is required for aircraft safety.
- g) When applications are made with a cross wind, the swath will be displaced downward. Therefore, on the up 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 drops, etc.).
- h) Make applications when wind speeds are between 2-10 mph.
- i) 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.
- j) Do not make applications during a temperature inversion because air basin saturation potential is high. Temperature inversions restrict vertical air mixing, which causes small-suspended droplets to remain in a concentrated cloud. This cloud can move in unpredictable directions, due to the light variable winds common during inversions. Temperature inversions are characterized by increasing temperature with altitude, and are common on nights with limited cloud cover and light to no winds.
- k) Pesticides should 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, non-target crops) is minimal (e.g., when the wind is blowing away from the sensitive area).
- l) Ultra Low Volume (ULV) application is not permitted.

Valid until withdrawn, suspended or canceled by the United States Environmental Protection Agency (U.S. EPA), the manufacturer, the 24(c) registrant, or the Department of Pesticide Regulation (DPR).

**All applicable directions, restrictions, and precautions on the U.S. EPA-registered label for Intrepid 2F (EPA Reg. No. 62719-442) and this label are to be followed.**

This labeling must be in the possession of the user at the time of pesticide application.

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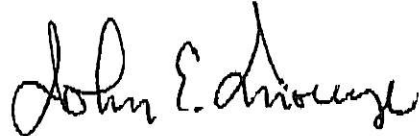
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The County Agricultural Commissioner's (or designee's) signature must be obtained prior to this use. This does not constitute a recommendation of DPR and will not prevent quarantine action if illegal residues are found on or in the crop.

Neither the DPR nor the county agricultural commissioner, the manufacturer or formulator makes any warranty of merchantability, fitness of purpose, or otherwise, expressed or implied, concerning the use of a pesticide in accordance with these provisions. The user and/or grower acknowledge the preceding disclaimer and accept liability for any possible damage resulting from this use. Do not use in mixture with other pesticides unless provided for in the labeling. Trial on a small area to check out unanticipated problems is suggested.

**24(c) Registrant:** California Seed Association  
1521 "I" Street  
Sacramento, California 95814  
(916) 441-2251

**U.S. EPA SLN No.** CA-990015



John E. Inouye  
Senior Pesticide Use Specialist  
Registration Branch  
(916) 324-3538

COUNTY AGRICULTURAL COMMISSIONER'S SIGNATURE

\_\_\_\_\_ Date \_\_\_\_\_

USER'S SIGNATURE

\_\_\_\_\_ Date \_\_\_\_\_

SEED CONDITIONER NOTIFICATION

STATEMENT TO BE COMPLETED UPON DELIVERY OF ALFALFA SEED TREATED  
WITH CROP PROTECTION CHEMICALS GOVERNED BY CALIFORNIA CODE OF  
REGULATIONS (CCR) SECTION 12832.

GROWER STATEMENT

This serves as notice that alfalfa seed from

☐ **All my fields and varieties**

☐ **See attached list detailing grower, field and variety**

was treated with compounds governed by CCR Section 12832.

Grower Name \_\_\_\_\_ Signed \_\_\_\_\_  
(printed)

Dated \_\_\_\_\_

CONDITIONER STATEMENT

I hereby acknowledge the alfalfa seed described above was received during the (Year) \_\_\_\_\_  
seed conditioning season and the following requirements and restrictions will be observed and  
followed:

All seed screenings shall be disposed of in such a way that they cannot be distributed or used for  
food or feed. The seed conditioner shall keep records of screenings disposal for three years  
from the date of disposal and shall furnish the records to the director upon request. Disposal  
records shall consist of documentation from a controlled waste disposal site, incinerator,  
cogeneration plant, composting facility, or other equivalent disposal site.

No portion of the seed plant, including, but not limited to, green chop, hay, pellets, meal, whole  
seed, cracked seed, or seed screenings shall be used or distributed for food or feed purposes.

All seed crops grown or conditioned as a nonfood or nonfeed site, in this State, shall bear a tag or  
container label that forbids the use of the seed for human consumption or animal feed.

No seed grown or conditioned as a nonfood or nonfeed site, in this State, may be distributed for  
human consumption or animal feed.

Signature of Conditioner \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_