

# Supplemental Labeling



Dow AgroSciences

Dow AgroSciences LLC

9330 Zionsville Road

Indianapolis, IN 46268-1054 USA

## Intrepid® 2F

EPA Reg. No. 62719-442

### 21-day PHI for Grapes, 3 Day PHI for Alfalfa and 7-Day PHI for Tree Nuts (Crop Group 14-12)<sup>1</sup>

(Not for Use and Distribution in New York State)

This label expires and must not be distributed or used in accordance with this supplemental registration after August 29, 2019.

#### ATTENTION

- It is a violation of Federal law to use this product in a manner inconsistent with its labeling.
- This labeling must be in the possession of the user at the time of application.
- Read the label affixed to the container for Intrepid® 2F insecticide before applying. Carefully follow all precautionary statements and applicable use directions.
- Use of Intrepid 2F according to this supplemental labeling is subject to all use precautions and limitations imposed by the label affixed to the container for Intrepid 2F.

#### Directions for Use for 21-Day PHI for Grapes

Refer to product label for general product information, mixing and application directions.

**Ground Application:** Apply in a minimum of 40 gpa by conventional airblast or over the row sprayer. If using a type of sprayer not mentioned above, apply in sufficient carrier volume to ensure thorough, uniform cover of the crop. Use a spray volume that assures uniform coverage of the infested portions of the treated crop. Calibrate equipment to the desired spray volume.

**Aerial Application:** Apply in a minimum of 20 gpa. This method should not be used if the density of the foliage prohibits thorough, uniform coverage of the entire vine canopy.

#### Please follow the use directions below for a reduced PHI for Grape of 21 days

Pests	Application Rate (fl oz/acre)	Application Timing	Restrictions
grape berry moth	8 - 12 (0.12 – 0.19 lb ai/acre)	For internal feeding lepidoptera larvae, apply at initiation of egg hatch for each generation.	<ul style="list-style-type: none"> <li>• <b>Preharvest Interval:</b> Do not apply within 21 days of harvest.</li> <li>• Do not apply more than 12 fl oz per acre per application or more than a total of 48 fl oz of Intrepid 2F (0.75 lb ai) per acre per year.</li> <li>• Do not make more than 4 applications per season.</li> <li>• Do not reapply less than 21 days apart</li> </ul>
European grapevine moth grape leaf folder light brown apple moth omnivorous leafroller obliquebanded leafroller orange tortrix redbanded leafroller		<p><b>Spring generation:</b> Apply at first sign of larval infestation or to small larvae when threshold levels occur.</p> <p><b>Summer generation:</b> For each generation, apply at first egg hatch.</p>	

**Directions for Use for Nongrass Forage, Fodder, Straw and Hay (Crop Group 18)**

<sup>1</sup>Nongrass forage, fodder, straw and hay (crop group 18) including alfalfa, clover, crown vetch, kudzu, lespedeza, lupin, milk vetch, sainfoin, trefoil, velvet bean, vetch

Refer to product label for general product information, mixing and application directions.

**Ground Application:** Apply in a minimum of 10 gpa by conventional ground equipment. Use a spray volume that assures uniform coverage of the infested portions of the treated crop. Calibrate equipment to the desired spray volume.

**Aerial Application:** Apply in a minimum of 5 gpa. Use a higher carrier volume for heavy infestations and in situations where thorough coverage is difficult to achieve.

Pests	Application Rate (fl oz/acre)	Application Timing	Restrictions
armyworms, including beet fall southern striped true western yellowstriped  alfalfa caterpillar alfalfa looper webworms	4 - 10 (0.06 - 0.16 lb ai/acre)	Begin applications when first signs of feeding damage appear or when threshold levels of feeding damage occur.  Use a higher rate for heavier infestations and under conditions in which thorough coverage is more difficult.	<ul style="list-style-type: none"> <li>• <b>Preharvest Interval:</b> Do not apply within 7 days of hay harvest; there is no preharvest interval for forage. Livestock can enter and graze on treated area immediately after application.</li> <li>• Do not apply more than a total of 32 fl oz of Intrepid 2F (0.5 lb ai) per acre per year.</li> <li>• Do not make more than 1 application per cutting.</li> <li>• See Rotational Crop Restrictions.</li> </ul>

**ALFALFA ONLY: Please follow the use directions below for a reduced PHI for Alfalfa to 3 days**

Pests	Application Rate (fl oz/acre)	Application Timing	Restrictions
armyworms, including beet fall southern striped true western yellowstriped  alfalfa caterpillar alfalfa looper webworms	4 - 8 (0.06 - 0.12 lb ai/acre)	Begin applications when first signs of feeding damage appear or when threshold levels of feeding damage occur.  Use a higher rate for heavier infestations and under conditions in which thorough coverage is more difficult.	<ul style="list-style-type: none"> <li>• <b>Preharvest Interval:</b> Do not apply within 3 days of hay harvest; there is no preharvest interval for forage. Livestock can enter and graze on treated area immediately after application.</li> <li>• Do not apply more than 8 fl oz per application or a total of 32 fl oz of Intrepid 2F (0.5 lb ai) per acre per year.</li> <li>• Do not make more than 1 application per cutting.</li> <li>• See Rotational Crop Restrictions.</li> </ul>

**Directions for Use Tree Nuts (Crop Group 14-12)**

<sup>1</sup>Tree nuts (crop group 14-12) including African nut-tree, almond, beech nut, Brazil nut, Brazilian pine, bunya, bur oak, butternut, Cajou nut, candlenut, cashew, chestnut, chinquapin, coconut, coquito nut, dika nut, filbert (hazelnut), ginkgo, Guiana chestnut, heartnut, hickory nut, Japanese horse chestnut, macadamia (bush) nut, mongongo nut, monkey-pot, monkey puzzle nut, Okari nut, Pachira nut, peach palm nut, pecan, pequi, Pili nut, pine nut, pistachio, Sapucaia nut, tropical almond, walnut (black and English), yellowhorn and cultivars, and varieties and/or hybrids of these.

Refer to product label for general product information, mixing and application directions

**Ground Application:** Apply in a minimum of 50 gpa by conventional ground equipment to trees 10 feet tall or less. For trees greater than 10 feet tall, use a minimum of 100 gpa. Use a spray volume that assures uniform coverage of the infested portions of the treated crop. Calibrate equipment to the desired spray volume.

**Aerial Application:** Apply in a minimum of 10 gpa. This method may result in reduced efficacy if the size of the tree or density of the foliage prohibits thorough, uniform coverage of the entire tree canopy.

**Almonds**

Pests	Application Rate (fl oz/acre)	Application Timing	Restrictions
peach twig borer	8 - 16 (0.12 – 0.25 lb ai/acre)	<p><b>Spring (overwintering) generation:</b> Make 1 to 2 applications during the bloom to petal fall period depending upon infestation level.</p> <p><b>Summer generation:</b> Begin applications at peak moth flight (400 to 450 DD, base 50°F, following biofix). Reapply at 14- to 18-day intervals under high pressure or sustained moth flight.</p> <p>A higher rate in the rate range may be required for extended residual effectiveness, high pest infestation levels, larger trees, or heavy dense foliage.</p>	<ul style="list-style-type: none"> <li>• <b>Preharvest Interval:</b> Do not apply within 7 days of harvest.</li> <li>• Do not apply more than 24 fl oz per acre per application or more than a total of 64 fl oz of Intrepid 2F (1 lb ai) per acre per year.</li> </ul>
navel orangeworm	12 - 24 (0.19 – 0.38 lb ai/acre)	Make first application at the initiation of hull split (2 to 5% hull split). Reapply 14 days later. Under heavy infestation, reapply a third time 14 days later.	

**Hazelnuts**

Pests	Application Rate (fl oz/acre)	Application Timing	Restrictions
filbertworm	8 - 16 (0.12 – 0.25 lb ai/acre)	Apply at initiation of egg hatch. Reapply at 14- to 21-day intervals under high pressure or sustained moth flight.	<ul style="list-style-type: none"> <li>• <b>Preharvest Interval:</b> Do not apply within 7 days of harvest.</li> <li>• Do not apply more than 16 fl oz per acre per application or more than a total of 64 fl oz of Intrepid 2F (1 lb ai) per acre per year.</li> </ul>
obliquebanded leafroller		<p><b>Spring (overwintering) generation:</b> Make 1 to 2 applications depending upon infestation level.</p> <p><b>Summer generation:</b> Make the first application during the period of peak egg lay to early egg hatch (200 to 400 DD following biofix). Reapply 14 to 18 days later (usually 500 to 700 DD).</p>	
European grapevine moth filbert leafroller light brown apple moth omnivorous leaf-tier		For control of surface of foliar feeding leafroller larvae, apply when larvae are feeding. Most effective crop protection results from application made at the initiation of egg hatch.	

**Pecans**

Pests	Application Rate (fl oz/acre)	Application Timing	Restrictions
pecan nut casebearer	4 - 8 (0.06 – 0.12 lb ai/acre)	<p>For each generation, apply at initiation of egg hatch (first generation is approximately 8 to 15 days following biofix). Control of first generation may require second application to ensure complete coverage of rapidly expanding nuts and foliage, or under conditions or extended egg lay.</p> <p>A higher rate in the rate range may be required for extended residual effectiveness, higher pest infestations, low crop load, larger trees, or heavy dense foliage.</p>	<ul style="list-style-type: none"> <li>• <b>Preharvest Interval:</b> Do not apply within 7 days of harvest.</li> <li>• Do not apply more than 8 fl oz per acre per application or more than a total of 64 fl oz of Intrepid 2F (1 lb ai) per acre per year.</li> </ul>

hickory shuckworm		For early- to mid-season infestations reaching threshold levels as defined by state extension specialists or other qualified authorities, make applications at the initiation of egg hatch For late-season infestations, initiate applications at half-shell hardening. Reapply at 14-day intervals to shuck split or while nuts are susceptible to heavy infestations.	
fall webworm walnut caterpillar		Apply at the first sign of larval infestation.	

**Walnuts**

<b>Pests</b>	<b>Application Rate (fl oz/acre)</b>	<b>Application Timing</b>	<b>Restrictions</b>
codling moth (suppression only)	12 - 24 (0.19 – 0.38 lb ai/acre)	For each generation, apply at initiation of egg hatch (100 to 200 DD following biofox). Control of first generation may require second application (14- to 18-day re-treatment interval) to ensure complete coverage of rapidly expanding nuts and foliage. After nut growth and foliage expansion slows, a 14- to 21-day re-treatment interval may be required to provide control of extended moth flight. A higher rate in the rate range may be required for extended residual effectiveness, high pest infestation levels, larger trees, or heavy dense foliage.	<ul style="list-style-type: none"> <li>• <b>Preharvest Interval:</b> Do not apply within 7 days of harvest.</li> <li>• Do not apply more than 24 fl oz per acre per application or more than a total of 64 fl oz of Intrepid 2F (1 lb ai) per acre per year.</li> </ul>
navel orangeworm	8 - 16 (0.12 – 0.25 lb ai/acre)	Apply at initiation of egg hatch.	
fall webworm redhumped caterpillar		Apply at first sign of larval infestation.	

**Tree Nut Crops in Crop Group 14-12 not Specifically Listed Above**  
**Restrictions:**

- **Preharvest Interval:** Do not apply within 7 days of harvest.
- Do not apply more than 24 fl oz per acre per application or more than a total of 64 fl oz of Intrepid 2F (1 lb ai) per acre per year.

Performance of Intrepid 2F against pests not listed on this label cannot be warranted nor can crop tolerance in all types and varieties of tree nuts be assured. If unsure, the user is advised to treat a few trees to observe for symptoms before treating large blocks of trees. Generally, optimum performance against lepidoptera pests (worms) is achieved when Intrepid 2F is applied at the initiation of egg hatch. Reapplication intervals of 14 to 20 days may be required if the plant part(s) to be protected from insect damage is rapidly growing or expanding or if pest infestations are heavy or extended.

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