



# Special Local Need

**RESTRICTED USE PESTICIDE**  
Toxic to fish and aquatic organisms.  
For retail sale to and use only by certified applicators, or persons under their direct supervision and only for the uses covered by the certified applicator's certification.

## BIFENTURE® EC AGRICULTURAL INSECTICIDE

EPA Reg. No. 70506-57

EPA SLN MT-09-0004

### DIRECTIONS FOR USE

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. Follow all applicable directions, restrictions, Worker Protection Standard requirements, and precautions on the EPA registered label.

### ALFALFA (Grown for Seed)

PESTS CONTROLLED	RATE		APPLICATION INSTRUCTIONS
	LB A/A	FL OZ/A	
Lygus Bugs Weevils Aphids Spider Mites Thrips	0.06– 0.10	3.9 - 6.4	<b>Application by ground:</b> Apply specified dosage in a minimum of 20 gallons of finished spray per acre.  <b>Application by air:</b> Apply specified dosage in a minimum of 5 gallons per acre. When applied by air, 1-2 quarts of emulsified oil may be substituted for 1-2 quarts of water in the finished spray.

### Restrictions and Precautions

This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply this product to blooming crops or weeds if bees are actively visiting the treatment area.

This pesticide is extremely toxic to fish and aquatic invertebrates. Use with care when applying in areas adjacent to any body of water. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not make applications when weather conditions favor drift from treated areas. Drift and run-off from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwaters.

Apply when the wind velocity favors on target deposition (approximately 3 to 10 mph). Do not apply when wind velocity exceeds 15 mph.

Do not apply more than 6.4 ounces (0.1 lb active ingredient) per acre per application. Do not make more than 3 applications in a crop year.

Do not apply more than 19.2 ounces (0.3 lb. active ingredient) per acre per season.

Maintain a minimum of 21 days between applications. Rotational crops may be planted no sooner than 30 days after application.

This product may be applied through irrigation systems. Refer to the EPA registered label for chemigation directions.

### Buffer Zones

**Vegetative Buffer Strip:** Construct and maintain a minimum 10-foot wide vegetative filter strip of grass or other permanent vegetation between the field edge and down gradient aquatic habitat (such as, but not limited to,

lakes; reservoirs; rivers; permanent streams; marshes or natural ponds; estuaries; and commercial fish farm ponds).

Only apply products containing bifenthrin onto fields where a maintained vegetative buffer strip of at least 10 feet exists between the field and down gradient aquatic habitat.

For guidance, refer to the following publication for information on constructing and maintaining effective buffers: *Conservation Buffers to Reduce Pesticide Losses*. Natural Resources Conservation Services. USDA, NRCS. 2000. Fort Worth, Texas. 21 pp. <http://www.in.nrcs.usda.gov/technical/agronomy/newconbuf.pdf>.

**Buffer Zone for Ground Application (groundboom, overhead chemigation, or airblast):** Do not apply within 25 feet of aquatic habitats (such as, but not limited to, lakes, reservoirs, rivers, permanent streams, marshes, natural ponds, estuaries, and commercial fish ponds).

**Buffer Zone for ULV Aerial Application:** Do not apply within 450 feet of aquatic habitats (such as, but not limited to, lakes, reservoirs, rivers, permanent streams, marshes, natural ponds, estuaries, and commercial fish ponds).

**Buffer Zone for Non-ULV Aerial Application:** Do not apply within 150 feet of aquatic habitats (such as, but not limited to, lakes, reservoirs, rivers, permanent streams, marshes, natural ponds, estuaries, and commercial fish ponds).

#### **Additional Requirements for Ground Applications**

Wind speed must be measured adjacent to the application site on the upwind side, immediately prior to applications.

For ground boom applications, apply using a nozzle height of no more than 4 feet above the ground or crop canopy.

#### **Additional Requirements for Aerial Applications**

The spray boom should be mounted on the aircraft as to minimize drift caused by wingtip or rotor vortices. The minimum practical boom length should be used and must not exceed 75% of the wing span or 80% rotor diameter.

Flight speed and nozzle orientation must be considered in determining droplet size.

Spray must be released at the lowest height consistent with pest control and flight safety. Do not release spray at a height greater than 10 feet above the crop canopy unless a greater height is required for aircraft safety.

When applications are made with a cross-wind, the swath will be displaced downwind. The applicator must compensate for this displacement at the downwind edge of the application area by adjusting the path of the aircraft upwind.

**Note:** For use only on fields in production of alfalfa seed. Not for use on fields producing alfalfa for livestock. Seed from any treated crop on this label may not be used for human or animal consumptions. Alfalfa seed from treated fields may not be used for growing sprouts for humans or animal consumption. Producers of alfalfa grown for seed that use this product, or cause the product to be used on fields they operate, are required to inform, in writing, conditioners receiving seed produced in field treated with this product. A copy of this labeling is required to be provided to the conditioner by the producer. All seed alfalfa treated with BIFENTURE EC must be labeled "NOT FOR HUMAN OR ANIMAL CONSUMPTION" at the processing plant. The processor must dispose of all seed screenings in such a way that they cannot be distributed or used for food or feed.

United Phosphorus, Inc.  
630 Freedom Business Center, Suite 402  
King of Prussia, PA 19406  
[www.upi-usa.com](http://www.upi-usa.com)  
1-800-438-6071

Rev. 6/1/09  
SLN MT-09-0004