

## **RICE, WILD RICE - BIRD CHERRY-OAT APHID, ETC.**

### General Information

#### GENERAL INFORMATION

Apply in sufficient water for thorough coverage of listed crops unless otherwise specifically noted. Rate of application should be based upon pest pressure, timing of sprays and field scouting. Use higher rates under heavy pest pressure and lower rates under low to moderate pest pressure. For ground and air applications, unless otherwise noted, the following spray volumes are recommended:

Row Crops: By ground, apply in a minimum of 10 gallons of finished spray per acre.

By air, apply in a minimum of 2 gallons of finished spray per acre.

Orchard and Vine Crops: By ground, apply in a minimum of 50 gallons of finished spray per acre. By air, apply in a minimum of 10 gallons of finished spray per acre.

For cutworm control, LambdaStar Plus may be applied before, during, or after planting. For soil incorporated applications, use higher rates for improved control.

#### Resistance

LambdaStar Plus is a Group 3 Insecticide (contains the active ingredient lambda-cyhalothrin). Some insects are known to develop resistance to products used repeatedly for control. Because the development of resistance cannot be predicted, the use of this product should conform to resistance management strategies established for the use area. Consult your local or state agricultural authorities for details.

If resistance to this product develops in your area, this product, or other products with a similar mode of action, may not provide adequate control. If poor performance cannot be attributed to improper application or extreme weather conditions, a resistant strain of insect may be present. If you experience difficulty with control and resistance is a reasonable cause, immediately consult your local company representative or agricultural advisor for the best alternative method of control for your area.

#### BUFFER ZONE

##### 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 LambdaStar Plus 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>

In the State of New York, a 25 foot vegetated, non-cropped buffer strip untraversed by drainage tiles must be maintained between a treated field and a coastal salt marsh or stream that drains into a coastal salt marsh, for both aerial or ground application. For aerial applications, the 25 foot vegetated non-cropped buffer strip for runoff protection would be part of the larger 150 foot buffer strip (or 450 foot buffer strip for ULV application) required for spray drift.

**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, 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, 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, streams, marshes, natural ponds, estuaries, and commercial fish ponds).

**Limitations, Restrictions, and Exceptions**

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**Remarks:**

Mixers/loaders supporting aerial applications to wild rice at a rate of 0.04 lb. a.i. per acre, and treating 1200 acres (or more) per day must wear dust-mist respirator.

Apply as required by scouting. Timing and frequency of application should be based upon insect populations reaching locally determined economic thresholds. Consult your local advisor or extension office for details. Determine the need for repeat applications, usually at intervals of 5-7 days, by scouting.

LambdaStar Plus can be safely used when propanil products are being used for weed control.

Ground application: Apply in a minimum of 10 gallons per acre using sufficient spray volume to obtain full coverage of foliage or target areas.

Air application: Apply in a minimum of 2 gallons per acre using sufficient spray volume to obtain full coverage of foliage or target areas. In addition, adding an emulsifiable crop oil (e.g., 1 pts. per acre) when lower aerial application volumes are used is recommended to help improve coverage, reduce evaporation, and improve efficacy.

For control of rice water weevil in dry seeded rice, make a foliar application as indicated by scouting for the presence of adults and/or feeding scars, usually within a time-frame of 0-5 days after permanent flood establishment. Do not exceed 10 days from starting permanent flood until insecticide application unless scouting indicates weevils have not been previously present. Adults may also be treated at later stages of rice development to reduce overwintering populations.

For control of rice water weevil in water seeded rice, make the first foliar application after pinpoint flood as indicated by scouting for the presence of adults and/or feeding scars usually when rice has emerged 0.5 inch above the waterline. Under conditions of prolonged migration into the field, start field scouting for rice water weevil adults and/or feeding scars 3-5 days after the initial treatment and, if needed, apply a second application within 7-10 days of the first application. Adults may also be treated at later stages of rice development to reduce overwintering populations.

California: In addition to above directions for control of rice water weevil in water seeded rice, LambdaStar Plus may be applied at the 1-3 leaf growth stage, with the

majority at the 2 leaf growth stage. Adults are vulnerable on levees and in the water. Larvae are vulnerable while feeding on the leaf prior to entering the soil. Monitor for adults, based upon field history and density of population. Monitor field edges and levee areas for adults. Treat in the following manner: a) spray the inside perimeter of the field, or b) spray the entire field.

Greenbug is known to have many biotypes. LambdaStar Plus may only provide suppression. If satisfactory control is not achieved with the first application of LambdaStar Plus, a resistant biotype may be present. Use alternate chemistry for control.

For control of stem borers, scout fields, when rice growth is near panicle differentiation, for early symptoms of damaging populations exhibited as discoloration (orange—tan) around the junction of the leaf sheath and leaf blade which is caused by feeding of young larvae within the sheath. Applications must be made before larvae bore into rice stems. Make the first application at panicle differentiation to 2 inch panicle for partial control. Make the second application at boot to heading for maximum control. All rice varieties are susceptible to stem borer damage, but Cocodrie and Priscilla are particularly susceptible.

- Do not release flood water within 7 days of an application.
- Do not apply more than 0.04 lb. a.i. (0.16 pt.) per acre within 21 to 27 days of harvest.
- Do not use treated rice fields for the aquaculture of edible fish and crustacea.
- Do not apply as an ultra-low volume (ULV) spray.

#### Method

[Broadcast/Foliar Air](#)

[Broadcast/Foliar Ground](#)

#### Pre-Harvest Interval

21 days

#### Rates

[field rates 0](#)

[field rates 1](#)

[field\\_rates 2](#)

[field\\_rates 3](#)

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Restricted Entry Interval

24 hours

Timings

[Upon insect populations reaching locally determined economic thresholds.](#)