FOR DISTRIBUTION AND USE ONLY WITHIN NEW YORK (EXCEPT NASSAU & SUFFOLK COUNTIES)

For use only by Certified Applicators

For control of Stemphylium leaf blight and stalk rot in bulb onion

Luna® Tranquility

EPA Reg. No. 264-1085
SLN. No. NY-160003

THIS LABEL IS VALID UNTIL DECEMBER 31, 2019 UNLESS OTHERWISE AMENDED, WITHDRAWN, CANCELED, OR SUSPENDED

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. This label must be in the possession of the user at the time of pesticide application. Follow all applicable directions, restrictions, Worker Protection Standard requirements, and precautions on the EPA registered label.

<table>
<thead>
<tr>
<th>Disease Control</th>
<th>Application Rate</th>
<th>Product Instructions</th>
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<tbody>
<tr>
<td>Stemphylium leaf blight / stalk rot (Stemphylium vesicarium)</td>
<td>16 to 27 fl oz/acre</td>
<td>Apply at the critical timings for disease control. Refer to University and/or extension guidelines for best application timings. Continue as needed on a 7- to 14-day interval. When disease pressure is severe, use the higher rates and/or shorter intervals.</td>
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Restrictions:

- Do not apply more than 54.7 fl oz of LUNA TRANQUILIT Y per acre per year.
- Apply using ground, aerial, or chemigation equipment.
- Regardless of formulation or method of application, do not apply more than 0.446 lbs fluopyram or 2.1 lbs pyrimethanil per acre per year, including soil and foliar uses. Do not apply LUNA TRANQUILIT Y within 7 days of harvest.
- To limit the potential for development of disease resistance to these fungicide classes, do not make more than 2 sequential applications of LUNA TRANQUILIT Y or any Group 7 or Group 9 containing fungicide before rotating with a fungicide from a different Group.
For MEDICAL And TRANSPORTATION Emergencies ONLY Call 24 Hours A Day 1-800-334-7577

For PRODUCT USE Information Call 1-866-99BAYER (1-866-992-2937)

As with any crop-protection product, always read and follow label directions.

For additional information call toll-free 1-866-99BAYER (1-866-992-2937).

Bayer CropScience, LP
P.O. Box 12014
2 T.W. Alexander Drive
Research Triangle Park, NC 27709
VIA E-MAIL

Ms. Christine Villegas
State Registration Manager
Bayer CropScience LP
2 T.W. Alexander Drive
Research Triangle Park, North Carolina 27709

Dear Ms. Villegas:

Re: Registration of Special Local Need Labeling for Luna Tranquility (EPA Reg. No. 264-1085) Assigned SLN No: SLN NY-160003.

The New York State Department of Environmental Conservation (Department) has reviewed your application to register Special Local Need (SLN) labeling for Luna Tranquility (EPA Reg. No. 264-1085) in New York State. The product contains the active ingredient fluopyram (chemical code 080302) which is not registered in New York State, and the active ingredient pyrimethanil (chemical code 288201) which is currently registered for use on several agricultural crops in New York State. The Luna Tranquility Special Local Need labeling is for control of stemphylium leaf blight and stalk rot in bulb onion crops.

Luna Tranquility is currently undergoing a new active ingredient review for registration of this product in New York State but there are ongoing concerns with regard to groundwater impact and possible carcinogenic effects. The Department understands that onion growers will undergo significant economic loss if a suitable control for stemphylium leaf blight and stalk rot for bulb onions is not immediately available. The full registration of this product will not be completed in time to meet the needs of onion growers for this use season. Therefore, the Department will allow limited use of Luna Tranquility on onion crops.

Researchers Christine Hoepting and Dr. Sarah Pethybridge of Cornell University and Cornell Cooperative Extension Vegetable Program have submitted their results from field trials using various fungicide products to control stemphylium leaf blight (SLB) and downy mildew (DM). Luna Tranquility demonstrated exceptional control and is a combination of two fungicide classes (FRAC group 7 & 9). SLB and DM pathogens have shown resistance to group 11 fungicides. Integrated pest management (IPM) strategies would recommend limiting use of the group 11 fungicides (Merivon and Quadris Top) in order to slow resistance.
Dr. Kerik Cox, Assistant Professor of Plant Pathology and Plant-Microbe Biology at Cornell University Agricultural Experiment Station in Geneva, New York supported the SLN registration of Luna Tranquility in 2014, for use on apple crops to control apple scab and powdery mildew. He reported that Luna Tranquility contains two active ingredients (fluopyram and pyrimethanil) with alternate chemistries to which no resistance had been documented. When Luna Tranquility is used alternately with a third chemical class of fungicide such as a DMI or a QoI, the effect will be to ward off resistance by plant pathogens to the newer SDHI chemistry thus allowing New York State growers to remain competitive in the marketplace.

The Department will require that Luna Tranquility be prohibited from use in Nassau and Suffolk Counties to be protective of its sole source drinking water aquifer. Also, the Department will restrict use of this product to certified applicators to ensure that the product is used in accordance with the product label and special local need labeling for New York State.

The Department is acknowledging that a FIFRA 24(c) Special Local Need (SLN) registration for Luna Tranquility is being issued because it has been demonstrated that there is an existing or imminent pest problem in New York State that cannot be controlled by an existing state registered product.

The Department hereby grants, under the authority of Section 24(c) of FIFRA, a Special Local Need registration for Luna Tranquility (EPA Reg. No. 264-1085) for use on bulb onions. The Special Local Need labeling is assigned SLN No. NY-160003.

The SLN registration for Luna Tranquility (SLN No. NY-160003), as noted on the “restriction” column of the certificate, is classified as “restricted use” in New York State under rules and regulations 6NYCRR 326.23(e). As such, this product is restricted in its purchase, distribution, sale, use, and possession in New York State.

According to New York State Department of Environmental Conservation Regulations 6NYCRR 326.3(a): “It shall be unlawful for any person to distribute, sell, offer for sale, purchase for the purpose of resale, or possess for the purpose of resale, any restricted pesticide unless said person shall have applied for, and been issued a commercial permit.”

Should you require information to obtain a commercial permit, please contact the Pesticide Reporting & Certification Section, at (518) 402-8748.

The Pesticide Reporting Law (PRL) in the Environmental Conservation Law Article 33 Title 12 requires all certified commercial pesticide applicators to report information annually to the Department regarding each pesticide application they make. **Commercial pesticide retailers are required to report all sales of restricted pesticide products and sales of general use pesticide products to private applicators for use in agricultural crop production.** If no sales are made within New York State, a report still must be filed with the Department indicating this is the case.
If you need information relating to the Pesticide Reporting Law, or annual report forms, please visit the Department’s website at http://www.dec.ny.gov/chemical/27506.html or call (518) 402-8748.

The Certificate of Pesticide Registration and a copy of the New York State stamped “ACCEPTED” SLN labeling and container labeling “Accepted” for use only in conjunction with SLN labeling, for Luna Tranquility (SLN No. NY-160003) are enclosed for your records.

The SLN labeling specifies the geographical use limitation, use directions, and maximum application rates for use on bulb onions which must be followed in order for Luna Tranquility to be legally used in New York State. All precautionary statements, applicable use directions, use precautions and limitations of the labeling affixed to the Luna Tranquility container must also be followed.

Please be reminded that a copy of the accepted SLN label must be in the possession of the user at the time of pesticide application.

Please contact me at (518) 402-8768, with any questions.

Sincerely,

Paula J. McBath
Chemist
Pesticide Product Registration Section

Enclosures