



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

Frederick T. Smith Luxembourgh-Pamol, Inc. c/o SciReg, Inc. 12733 Director's Loop Woodbridge, VA 22192

OCT 3 0 2013

Subject:

LBG-61

EPA Reg. No. 42519-35

EPA Decision Number: 481570

Your label submitted on July 16, 2013 and resubmitted on October 24, 2013 to add uses on almonds, corn, pistachios, and walnuts and revise the directions for use on soybeans

Dear Mr. Smith:

The application referred to above, submitted under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended is acceptable.

One copy of the label stamped "Accepted" is enclosed for your records. Please submit one copy of the final printed label before the product is released for shipment. If you have any questions, please contact Heather Garvie by phone at: 703-308-0034 or via email at: garvie.heather@epa.gov.

Sincerely,

Hope Johnson Product Manager 21 Fungicide Branch

Registration Division

Enclosures: Stamped label "Accepted"

LBG-61

A systemic fungicide for the control of almond, barley, colon, grasses grown for seed, onion, peanut, pecan, pistachio, soybean, walnut, watermelon, and wheat diseases

OTHER INGREDIENTS: <u>47.7%</u>
TOTAL: 100.0%

¹ 30.4% (3.66 lbs/gal) phosphorous acid equivalent

KEEP OUT OF REACH OF CHILDREN CAUTION

FIRST AID				
If swallowed	 Call poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center 			
	or doctor.			
	Do not give anything to an unconscious person.			
If in eyes	Hold eye open and rinse slowly and gently with water for 15 - 20 minutes.			
	Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.			
	Call a poison control center or doctor for treatment advice.			
If on skin or	Take off contaminated clothing.			
clothing	Rinse skin immediately with plenty of water for 15 - 20 minutes.			
	Call a poison control center or doctor for treatment advice.			
	Move person to fresh air.			
If inhaled:	• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.			
	Call a poison control center or doctor for further treatment advice.			

HOT LINE NUMBER

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-424-9300 for emergency medical information.

NOTE TO PHYSICIAN

No specific antidote. Treat symptomatically. For additional information, call: 1-800-424-9300.

See side panel for additional precautionary statements.

[SHAKE WELL BEFORE USING.] [SHAKE WELL BEFORE USE.]

EPA Reg. No.: 42519-35 EPA Est. No.: 42519-ISR-002

Manufactured for:

LUXEMBOURG – PAMOL, INC. 3647 Willowbend Blvd., Suite 810 Houston, Texas 77054, U.S.A. Customer Service (713) 661-8800

Batch No. XXXX-XX

Net Contents: 1, 2.5, or 250 Gallons

FOR CHEMICAL SPILL, LEAK, FIRE OR EXPOSURE CALL TOLL FREE: 1-800-424-9300

AGRICULTURAL CHEMICAL DO NOT SHIP OR STORE WITH FOODS, FEEDS, DRUGS OR CLOTHING

² 0.42 lbs/gal tebuconazole

PCCAUTIONARY STATEMENT

Hazards to Humans and Domestic Animals

CAUTION. Harmful if swallowed or if absorbed through skin. Causes eye irritation. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco.

PERSONAL PROTECTIVE EQUIPMENT (PPE): Natural rubber and polyvinyl chloride are chemical-resistant to this product. If you want more options, follow the instructions for Category A on an EPA chemical resistance category selection chart.

Applicators and other handlers must wear:

- long-sleeved shirt and long pants
- chemical-resistant gloves (such as nitrile, butyl, neoprene, and/or barrier laminate)
- shoes plus socks

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

User Safety Recommendations:

Users should: Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove clothing/PPE immediately if pesticide gets inside, then wash thoroughly and put on clean clothing. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

Environmental Hazards: Tebuconazole is toxic to mammals, fish, and aquatic invertebrates. Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean highwater mark. Drift and runoff may be hazardous to aquatic organisms in neighboring areas.

Ground Water Advisory: Tebuconazole is known to leach through soil into groundwater under certain conditions as a result of label use. Use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.

Surface Water Advisory: Tebuconazole may contaminate water through drift of spray in wind. It has a high potential for runoff for several months or more after application. Poorly draining soils and soils with shallow water tables are more prone to runoff that contains this product. A level, well-maintained vegetative buffer strip between areas to which this product is applied and surface water features such as ponds, streams, and springs will reduce the potential for contamination of water from rainfall-runoff. Runoff of this product will be reduced by avoiding applications when rainfall is forecasted within 48 hours.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. For any requirements specific to your State or Tribe, consult the State or tribal agency responsible for pesticide regulation. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application.

Agricultural Use Requirements

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted entry intervals (REI). The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

PPE requirement for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil or water, is:

- coveralls
- chemical-resistant gloves (such as nitrile, butyl, neoprene, natural rubber, and/or barrier laminate)
- · shoes plus socks

Chemigation: Do not apply this product through any type of irrigation system.

Requirements for ground applications:

For ground applications, adjust nozzle height and droplet size with wind speed according to the following table:

Wind speed	Nozzle height	Droplet size for standard nozzles (ASAE standard 572)
Less than 10 mph	Up to 2 feet	medium or
		coarser
	2-4 feet	coarse or
		coarser
	4-6 feet	very coarse or
		coarser
	0-2 feet	coarse or
10 to 15 mph		coarser
	2-4 feet	very coarse or
-		coarser
	4-6 feet	extremely coarse

Do not apply when the wind speed exceeds 15 mph. Do not apply at a nozzle height of greater than 6 feet above the ground or crop canopy. Apply as a medium or coarser spray (ASAE standard 572).

Requirements for aerial applications:

For aerial applications, apply only when the wind speed is less than or equal to 15 mph using a release height of no more than 10 feet above the ground or crop canopy. If the wind speed is less than 10 mph, apply as a medium or coarser spray (ASAE standard 572). If the wind speed is between 10 mph and 15 mph, apply as a coarse or coarser spray (ASAE standard 572). The boom length must not exceed 75% of the wingspan or 90% of the rotor blade diameter. Do not make aerial applications into temperature inversions. When aerial 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.

Spray Drift Management:

Aerial applications: Mount the spray boom on the aircraft so as to minimize drift caused by wing tip vortices. Use the minimum practical boom length, which must not exceed 75 percent of the wingspan or rotor diameter. Use the largest droplet size consistent with pest control. Formation of very small droplets may be minimized by appropriate nozzle selection, by orienting nozzles away from the air stream as much as possible and by avoiding excessive spray boom pressure. Apply in a minimum of 5 gallons of spray solution per acre by aircraft spray equipment. Release spray at the lowest possible height consistent with good pest control and flight safety. Do not apply more than 10 feet above the crop canopy. Make aerial and ground applications when wind velocity favors on-target product deposition (approximately 3 to 10 mph). Do not apply when wind velocity exceeds 15 mph (miles per hour). Avoid applications when wind gusts approach 15 mph. Risk of exposure to sensitive aquatic areas can be reduced by avoiding applications when wind direction is toward the aquatic area. Low humidity and high temperatures increase the evaporation rate of spray droplets and therefore the likelihood of spray drift to aquatic areas. Do not spray during conditions of low humidity and/or high temperature. Do not make aerial or ground applications during temperature inversions. Inversions are characterized by stable air and increasing temperatures with height above the ground. Mist or fog may indicate the presence of an inversion in humid areas. The applicator may detect the presence of an inversion by producing smoke and observing a smoke layer near the ground surface.

OBSERVE THE FOLLOWING RESTRICTIONS WHEN SPRAYING IN THE VICINITY OF AQUATIC AREAS SUCH AS LAKES, RESERVOIRS, RIVERS, PERMANENT STREAMS, MARSHES OR NATURAL PONDS, AND ESTUARIES.

Apply only during alternate years in fields adjacent to aquatic areas listed above. Do not apply by ground or air within 100 feet of aquatic areas listed above. Do not cultivate within 10 feet of an aquatic area to allow growth of a vegetative filter strip.

Rotational Crop Restrictions:

Treated areas may be replanted with peanuts, soybeans, sunflowers, wheat, and barley as soon as practical after last application. Any other crop may be planted into treated areas 120 days after last application.

Product Information:

LBG-61 is a systemic product. When used in conjunction with good cultural management practices and as part of a complete disease control program, LBG-61 will control/suppress specified diseases associated with almond, barley, corn, grasses grown for seed, onions, peanuts, pecans, pistachio, soybeans, walnut, watermelons, and wheat. In order to achieve

maximum results in control ig/suppressing the diseases, control out spraying before the appearance of the diseases or when diseases are first observed. Initiate applications when environmental conditions are favorable for disease development.

<u>Resistance Management</u>: As LBG-61 contains a demethylation inhibitor (DMI), it is best applied in alternation with a non-DMI fungicide as a resistance management strategy.

MIXING AND APPLICATION INSTRUCTIONS

For barley, soybeans, and wheat: Apply LBG-61 in a minimum of 10 gallons of water per acre by ground sprayer or in a minimum of 5 gallons of spray solution per acre by aircraft.

For fruit and vegetable crops: LBG-61 is best applied in 100 gallons of water per acre by ground sprayer or in a minimum of 5 gallons or more of water per acre by aircraft.

For corn, almonds, pistachios, and walnuts: Apply LBG-61 in a minimum of 50 gallons per acre by ground sprayer or in a minimum of 10 gallons per acre by aircraft. Ground applications are best applied after petal fall.

Apply a maximum of 16.5 pints per acre per season. Do not cut the cover crop in treated areas, or allow grazing by livestock in treated areas.

Check equipment calibration frequently. Complete coverage and uniform application are essential for the most effective results, especially when lower spray volumes are applied. If necessary, increase the volume of water in the spray tank for complete crop coverage. Do not apply more LBG-61 than is specified in the application instructions. Fill spray tank halfway with clean water. Add the required amount of LBG-61 to the tank, as indicated in the application instructions. While agitating, add the remaining amount of water. Apply solution directly to the foliage. For optimum control, thorough coverage is required. LBG-61 spray must have a minimum of 2 hours of drying time on plant foliage for the active ingredients to move into the plant tissue before rain or irrigation occurs.

Compatibility:

Conduct a tank spray compatibility test when you plan to mix this product with other products. To determine the physical compatibility of this product with other products, use a jar test. Using a quart jar, add the proportionate amounts of the products to approximately one quart of water with agitation. Add dry formulations first, then flowables, and then emulsifiable concentrates last. After thorough mixing, allow this mixture to stand for 5 minutes. If the combination remains mixed or can be readily remixed, it is physically compatible. Once compatibility has been proven, use the same procedure for adding products to the spray tank. Follow the more restrictive labeling requirements of any tank mix partner. Do not tank mix with products whose label prohibits tank mixing.

Phytotoxicity indications:

The components of this product have been evaluated for phytotoxicity on a large variety of crops under various normal field conditions. However, testing all plant varieties, in all mixtures and combinations is not feasible. Test a small portion of the area to be treated for phytotoxicity, before treating the entire area. Test tank-mix combinations on a small number of plants before

treating large areas, as crop sitivity to these mixtures may vary o not apply to plants under stress.

DISEASE CONTROL AND APPLICATION INSTRUCTIONS

LBG-61 is for use on the following crops, all of which have an REI of 12 hours.

CROP	DISEASE	RATE	REMARKS
ALMONDS, WALNUTS	Brown rot blossom blight (Monilinia spp.) Anthracnose (Colletotrichum gleosporoides) Powdery mildew (Podospharea tridactyla) Scab (Cladosporium carpohilus) Leaf rust (Tranzchelia discolor)	2-4 pints/acre	Begin applications before infection. Apply on a 7-14 day spray interval. Use higher rate and shorter interval when disease pressure is severe. Refer to guidelines below for the best application timing for each disease. Brown rot blossom blight: Treat at pink bud (5-10% bloom) and full bloom. One application at full bloom is sufficient in most orchards in most years if there is no rain. If brown rot has been severe or in years of extended bloom accompanied by rainfall, a second or third application near full bloom may be necessary. Anthracose: Apply LBG-61 sprays beginning at 5-10% bloom or pink bud and repeat every 10-14 days if rains persist. Late spring rains may necessitate additional applications. Powdery mildew: Make applications at jacket-split (late petal fall) and midspring. Scab: One application up to 5 weeks after petal fall is effective, but an earlier application (2 weeks after petal fall) is best.

	()	I	LC rust: Apply 5 weeks
			after petal fall and follow 4
			to 5 weeks later in late
			spring and summer. Apply
			before rust symptoms are
	·		visible.
			The PHI is 35 days.
BARLEY	Rusts Head blight suppression	2 pints/acre	Make a single application per season by air or ground
	Tread blight suppression		at the earliest sign of rust
			(Puccinia spp.).
			Straw cut after harvest may
			be fed or used for bedding.
			Grazing or feeding forage to
			livestock is permitted 6 days after the last application.
			Optimal timing for Fusarium
			head blight suppression is
			when heads are fully
			emerged on 50% of the
			plants (growth stage 10.5). Do not apply within 30 days
			of harvest.
CORN	Rust (Puccinia spp.)	2-3 pints/acre	Apply preventatively when
Field corn,	Northern leaf blight		weather favors disease
Sweet corn,	(Exserohilum turcicum) Southern leaf blight		development. Repeat on a
Seed corn, Popcorn	(Bipolaris maydis)		7-14 day interval. Apply the higher rate under heavier
Горсон	Northern leaf spot		disease pressure. Do not
	(Bipolaris zeicola)		apply more than 12 pints per
	Gray leaf spot		acre per season. The PHI is
	(Cercospora zeae-		7 days.
	maydis)		
GRASSES GROWN FOR	Rust (Puccinia spp.)	2-4 pints/acre	Apply when weather conditions favor disease
SEED	Powdery Mildew		development. Repeat on a
SELD	1 ondery military		14-day interval. Apply the
			higher rate under heavier
			disease pressure. Thorough
			coverage is important for
			disease control. A maximum of 8 pints/acre may be
			applied per season. The PHI
			is 4 days. Chaff, screenings
			and straw from treated
		· .	areas may be used for feed
			purposes; do not forage, cut green crop, or use seed for
T .			

			fee urposes. Regrowth may be grazed starting at 17 days after the last application.
ONIONS Green onions Dry bulb onions	Rust (Puccinia spp.) Purple blotch (Alternaria porii) Downy Mildew	2-3 pints/acre	Use LBG-61 as a preventative treatment. Repeat applications on a 10-14 day interval. Do not
Green onions include: leek, spring onion, scallion, Japanese bunching onions, green shallots, green eschalots	(Peronospora destructor)		apply more than 6 pints per acre per season. The PHI is 7 days.
Dry bulb onions include: garlic, elephant garlic, Welsh onion, shallot		·	
PEANUTS	Soil-borne: White mold, southern blight (Sclerotium rolfsii) Rhizoctonia limb rot Pythium pod rot Foliar: Early and Late Leaf spot Leaf rust Web blotch	3-3.5 pints/acre	Apply in a seven application program in sprays 3, 4, 5, and 6 on a preventative 14-day schedule. Make applications of chlorothalonil prior to and following LBG-61 (sprays 1, 2, and 7) to control foliar diseases. Use a maximum of 14 pints per year. Irrigate to carry the spray into the root and pod zone for soil-borne diseases. Use LBG-61 in conjunction with IPM practices to reduce severity of soil-borne diseases. The PHI is 14 days.

PECANS	Anthracr	Early Season:	A y in 100 gallons of
	Brown leaf spot	2 pints/acre	water by ground or 5 gallons
	Downy spot		or more diluent by air in a
	Liver spot		preventative spray schedule
	ScabVein spot		beginning at budbreak and
	Zonate leaf spot		continue on a 10-14 day
•			spray schedule through the
			pollination period.
	Scab Vein spot Zonate leaf spot	Post pollination: 2-2.5 pints/acre	Alone or combination with labeled rates of Super Tin 80WP or Elast 400F. Do not add a surfactant when tank mixing. Apply the higher rate to scab-susceptible varieties or when weather conditions favor severe scab disease. Do not apply after shucks split. Do not apply more than 16.5 pints of LBG-61 per acre per year. Do not feed or graze cover
			crops in treated areas to
,			livestock.
PISTACHIOS	Botryosphaeria Panicle and shoot Blight Soybean rust	4 pints/acre 2 pints/acre	Begin applications at 25-50% bloom and repeat on a 10-14 day interval to protect flowers and fruit. Make two additional pre-harvest sprays 50 and 35 days prior to harvest. Use good sanitation measures and control insect vectors to limit the spread of Botryosphaeria. The PHI is 35 days. Apply when rust is forecast.
SUTBEAN	(Phakopsora pachyrizi),	z pinis/acre	Repeat applications on a
	Downy mildew		10-14 day interval. Do not
	(Peronospora	!	apply more than 0.225
	manshurica),		pounds of the active
	Powdery mildew		ingredient tebuconazole
	(Microsphaera diffusa)		(i.e., 4.3 pints of LBG-61)
	Frogeye leafspot		per acre per year. Use spray
	(Cercospora sojina)		volumes of 5 gallons or
			more by air, and 10 gallons
			or more by ground. To
			prevent mixing issues, add

	<i></i>		
			BLL DEX VHC at 0.25% (1 quart/100 gallons). Keep under constant agitation during spraying. Use adjuvants at their lowest labeled rate. Do not apply to soybeans growing under stress conditions, or during extreme environmental conditions. Do not apply within 21 days of harvest. The REI is 12 hours.
WATERMELON	Powdery Mildew Gummy stem blight (Didymella bryonae) suppression Downy mildew	2-3 pints/acre 4 pints/acre 4 pints/acre	Apply the specific dose in a protective spray schedule to foliage and fruit. Repeat on a 10-14 day interval. Do not apply more than 12 pints/acre per season. The PHI is 7 days.
WHEAT	Rust (leaf, stem, and stripe) (<i>Puccinia spp.</i>) Head blight suppression	2 pints/acre	Scout fields for symptoms. Apply at earliest sign of disease. For head blight, application is typically best made at growth stage 10.5. Grazing or feeding forage to livestock is permitted 6 days after the last application. Do not apply within 30 days of harvest. Straw may be used for bedding.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

Pesticide Storage: Store in a dry, secure, cool place.

Pesticide Disposal: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

Container Handling: {1 and 2.5 gallons} Nonrefillable container. Do not reuse or refill this container. Triple rinse (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into the application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling, if available, or puncture or dispose of in a sanitary landfill, or by incineration. Do not burn unless allowed by state and local ordinances. If burned, stay out of smoke.

Container Handling: {250 gallons}: Nonrefillable container. Do not reuse or refill this container. Triple rinse (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into the application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth

several times. Empty the rins into application equipment or a minimum tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling, if available, or puncture or dispose of in a sanitary landfill, or by incineration. Do not burn unless allowed by state and local ordinances. If burned, stay out of smoke.

Warranty Limitations and Disclaimer

To the extent consistent with applicable law, Luxembourg warrants that at the product will conform to its chemical description on the label, that it will pass without objection in the trade under the contract description, that seller will convey good title thereto, and that such product will be delivered free from any lawful security interest, lien or encumbrance.

To the extent consistent with applicable law, this is the only warranty made on this product. Luxembourg EXPRESSLY DISCLAIMS ANY IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE AND, EXCEPT AS SET FORTH IN THE ABOVE PARAGRAPH, ANY OTHER EXPRESS OR IMPLIED WARRANTIES. To the extent consistent with applicable law, buyer assumes all risk of use of this material when such use is contrary to label instructions. Read and follow the label directions carefully.

[CONDITIONS OF SALE - LIMITED WARRANTY AND LIMITATIONS OF LIABILITY AND REMEDIES

Read the Conditions of Sale - Warranty and Limitations of Liability and Remedies before using this product. If the terms are not acceptable, return the product, unopened, and the full purchase price will be refunded.

The directions on this label are believed to be reliable and must be followed carefully. Insufficient control of pests and/or injury to the crop to which the product is applied may result from the occurrence of extraordinary or unusual weather conditions or the failure to follow the label directions or good application practices, all of which are beyond the control of {company} (the "Company") or seller. In addition, failure to follow label directions may cause injury to crops, animals, man or the environment. The Company warrants that this product conforms to the chemical description on the label and is reasonably fit for the purpose referred to in the directions for use subject to the factors noted above which are beyond the control of the Company. To the extent consistent with applicable law, The Company makes no other warranties or representations of any kind, express or implied, concerning the product, including no implied warranty of merchantability or fitness for any particular purpose, and no such warranty shall be implied by law.

To the extent consistent with applicable law, the exclusive remedy against the Company for any cause of action relating to the handling or use of this product shall be limited to, at {company's} election, one of the following:

- 1. Refund of the purchase price paid by buyer or user for product bought, or
- 2. Replacement of the product used

To the extent consistent with applicable law, the Company shall not be liable and any and all claims against the Company are waived for special, indirect, incidental, or consequential damages or expense of any nature, including, but not limited to, loss of profits or income. The Company and the seller offer this product and the buyer and user accept it, subject to the foregoing conditions of sale and limitation of warranty, liability and remedies.]

Super Tin (triphenyltin hydroxide) is a registered trademark of United Phosphorus Ltd.

Elast (dodine) is a registered trademark of Aceto Agricultural Corp.

BLENDEX is a registered trademark of Helena Holding Company.

ACCEPTED

OCT 3 0 2013

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg No. 42519-35