84930-13

30-13		12/16/2008	$\int $	8411638 1/12
UNITED STAR	U.S. ENVIRONMENTAL PR	OTECTION AGENCY	EPA Reg. Number:	Date of Issuance:
SNURONNIK, AL PROTECTION	Office of Pesticid Registration Divis 1200 Pennsylvania Washington, D.	ion (7505P) Ave., N.W.	84930-13	DEC 1 6 2008
NO	TICE OF PESTICIDE: <u>X</u> Registration Reregistration (under FIFRA, as amended)		Term of Issuance: Unconditional	
	(under Fin KA, as amended)	-	Name of Pesticide Product: ARC-TEB 3.6 Flowable	
Name and Address of Registra	nt (include ZIP Code):	an a	Fungicide	
Arcana, LLC 323 S. College Av	e, Suite 1			
Fort Collins, CO	80524	·		
	ffering in substance from that a prior to use of the label in com			
under the Federal Inse as an endorsement or environment, the Adm pesticide in accordance a product under this A	nation furnished by the ecticide, Fungicide and recommendation of thi ninistrator, on his motion ce with the Act. The act Act is not to be construed thas been covered by o	Rodenticide Act. Reg s product by the Agen- on, may at any time su cceptance of any name ed as giving the registra	gistration is in no ward cy. In order to prot spend or cancel the in connection with	ay to be construed ect health and the registration of a the registration of
This product is condit	tionally registered in ac	cordance with FIFRA	section 3(c)(7)(A)	provided that you:
when the Age	cite all data required for ncy requires all registra ponses required for rer	ints of similar products	s to submit such dat	a; and submit
		. ·		Page 1 of 3
Signature of Approving Offici	al:	Miller office. It is the strange investment of the strange of the strange of the strange of the strange of the	Date:	
Mary I.	Waller		12/16/20	908
Mary L. Waller, Prod Fungicide Branch, Re	uct Manager (21) gistration Division (75	05P)		
EPA Form 8570-6				· <u> </u>

2. Make the following changes to the label:

Page 1

- Change the product registration number to "EPA Reg. No. 84930-13"
- In the list of ingredients change the concentration of "Other Ingredients" from 60.8% to 61.3%.

Page 2

- Add the following statement to the paragraph that follows the subheader **Hazards to Humans** and **Domestic Animals**: "Causes moderate eye irritation."
- Add the following Ground and Surface Water advisories to the Environmental Hazards section.

"Ground Water Advisory: Tebuconazole is known to leach through soil into ground 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: This product may contaminate water through drift of spray in wind. This product 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."

Page 4 and 5

• Correct product name in the table headers. Change "Fowable" to "Flowable"

Page 6

• In the table, change "3,4,5 and 6" to "3, 4, 5 and 6" and change "1,2and7" to "1, 2 and 7"

Page 7

• In the paragraph beginning "For packages greater than 5 gallons", replace "1/a" with "1/4".

Page 8

- Under the "Condition of Sale and Limitation of Warranty and Liability"
 - i. In the first paragraph, replace "should" with "must" in the sentence starting "The directions for use..."
 - ii. In the first paragraph, replace the comma following "Seller" with a period in the sentence starting "Ineffectiveness or other..."
 - iii. In the second paragraph, add "To the extent consistent with applicable law" to beginning of the sentence "Arcana LLC makes no warranties...."

Notice of Pesticide Registration Page 3 of 3 ARC-TEB 3.6 Flowable Fungicide EPA Reg. No. 84930-13 3/17

- iv. In the second paragraph, replace "To the extent allowed by state law" with "To the extent consistent with applicable law" in the sentence following "Arcana LLC makes no warranties...."
- v. In the second paragraph, add "To the extent consistent with applicable law" to beginning of the sentence "The exclusive remedy...."
- 3. Submit one copy of the revised final printed label for the record before the product is released for shipment.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A copy of the label stamped "Accepted with comments" is enclosed for your records.

Mary L. Waller

Mary L. Waller Product Manager (21) Fungicide Branch Registration Division (7505P)

Enclosure: Label stamped "Accepted with Comments"

ARC-TEB 3.6 Flowable Fungicide

ACTIVE INGREDIENT: Tebuconazole, alpha-[2-(4-chlorophenyl)ethyl]	_ ·
alpha-(1,1-dimethylethyl)-1 H-1,2,4-triazole-l-ethanol	
OTHER INGREDIENTS	<u>60.8%</u>
TOTAL:	100.0%
Contains 3.6 pounds tebuconazole per gallon	

Net Contents:

EPA Reg. No. 84930-13

EPA Est. No. XXXXX-XX-XXX

ACCEPTED with COMMENTS In EPA Letter Dated DEC 1 6 2008

Manufactured For: ARCANA, LLC 323 S. College Ave, Ste 1 Fort Collins, CO 80524

Under the Federal Insecticide, Fundicides, and Reducticide Act as ensected. for the pesticide registered only NPA Reg. No. 8.4930-13-

STOP - Read the Label Before Use

KEEP OUT OF REACH OF CHILDREN CAUTION

Si usted no entiende la etiqueta, busque a alguien pars que se la explique a usted en detallé. (If you do not understand the label, find someone to explain it to you in detail.)

FIRST AID

If swallowed: Call a poison control center or doctor immediately for treat 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 by mouth to an unconscious person.

If on skin or clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.

If in eyes: Hold eye open and rinse slowly and gently with water for 15 to 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 inhaled: Move person to fresh air. 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. Have the product container or label with you when calling a poison control center or doctor or going for treatment.

Note To Physician: No specific antidote. Treat symptomatically

Symptoms of **Poisoning:** The compound does not cause any definite symptoms that would be diagnostic. Contact with the eyes may cause irritation.

HOT LINE NUMBER

Have the product container or label with you when calling a poison control center, doctor, or going for treatment. For emergency information concerning this product, call the National Pesticides Information Center (NPIC) at 1-800-858-7378 seven days a week, 6:30 am to 4: 30 pm Pacific Time (NPIC Web site: www.epic.orsi.edu). Outside of these times call your poison control center at 1-800-222-1222.

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS CAUTION

Harmful if swallowed, inhaled or absorbed through skin. Avoid contact with skin, eyes and clothing. Avoid breathing vapor or spray mist.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category C 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 barrier laminate, or butyl rubber or nitrile rubber or neoprene rubber or polyvinyl chloride or viton, and shoes plus socks. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

ENGINEERING CONTROLS STATEMENTS

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

USER SAFETY RECOMMENDATIONS

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing 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.

ENVIONMENTAL HAZARDS

This pesticide is toxic and estuarine and marine invertebrates. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Runoff may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment wash water or rinsate.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only consult the agency responsible for pesticide regulation.

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 interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard. 6/12

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

PPE required 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 barrier laminate or butyl rubber or nitrile rubber or neoprene rubber or polyvinyl chloride or viton, Shoes plus socks.

GENERAL INFORMATION FOR AGRICULTURAL USES

SHAKE WELL BEFORE USING

Spray Volume: Apply ARC-TEB 3.6 FLOWABLE FUNGICIDE with ground or aerial equipment using sufficient volume of spray to provide thorough coverage. ARC-TEB 3.6 FLOWABLE FUNGICIDE may be applied in a minimum of 10 gallons of spray solution per acre by ground sprayer or in a minimum of 5 gallons of spray solution per acre by aircraft spray equipment. Check equipment calibration frequently. Continuous agitation is required to keep the material in suspension.

Complete coverage and uniform application are essential for the most effective results, especially when lower spray volumes are applied. If necessary, increase the spray volume per acre for complete crop coverage. Use the higher rate under conditions of severe disease pressure. Also, see local State Extension Service recommendations for application schedules.

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

Mixing: Add recommended amount of ARC-TEB 3.6 FLOWABLE FUNGICIDE into the spray tank while filling with water to the desired level. Operate the agitator while mixing. If other materials are added to the spray tank, the ARC-TEB 3.6 FLOWABLE FUNGICIDE should be thoroughly dispersed prior to the addition of other materials.

Compatibility: To determine the compatibility of ARC-TEB 3.6 FLOWABLE FUNGICIDE with other products, the following procedure should be followed: Pour the recommended proportions of the products into a suitable container of water, mix thoroughly and allow to stand at least five minutes. If the combination remains mixed or can be re-mixed readily, the mixture is considered physically compatible.

<u>CROP</u>

GRASSES GROWN FOR SEED

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DISEASES	FL OZ ARC-TEB 3.6 FOWABLE FUNGICIDE / ACRE	REMARKS	GENERAL INFORMATION	
Rusts (Puccinia spp)		3.6 FLOWABLE FUNGICIDE as soon as weather conditions are favorable for rust development or when first rust pustules are present. Repeat applications at 14- to 16-day intervals. Under heavy disease pressure use 6 to 8 fl oz/A and apply at shorter spray	Apply the specified rate of ARC-TEB 3.6 FLOWABLE FUNGICIDE in a minimum of 20 gallons of water per acre with ground sprayers or in a minimum of 10 gallons of water per acre with aircraft. Thorough coverage is important for	
Powdery mildew		FLOWABLE FUNGICIDE when powdery mildew first appears on the leaves. Repeat applications at 14- to 16- day intervals. Under heavy disease pressure use 6 to 8 fl oz/A and apply at shorter spray intervals.	optimum disease control. For optimum benefit, the lowest recommended rate of spray surfactant should be tank mixed with ARC-TEB 3.6 FLOWABLE FUNGICIDE. Chaff, screenings and straw from treated areas may be used for feed purposes. Regrowth may be grazed starting 17 days after last application. Preharvest interval: 4 days	
 Do not apply more than 16 fl. oz. (.45 lb a.i.) per acre per crop season. Do not forage, cut green crop, or use seed for feed purposes. 				

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SOILBORNE: Cylindrocladium Black Rot (suppression)7.2GENERAL INFORMATION: For optimum control of the specified soil borne diseases, four consecutive applications of ARC-TEB 3.6 FLOWABLE FUNGICIDE must be made at 14-day intervals. A maximum of 28.8 fl. oz. (.81 lbs a.i.) of ARC-TEB 3.6 FLOWABLE FUNGICIDE maybe applied per crop season. ARC-TEB 3.6 FLOWABLE FUNGICIDE maybe applied up to 14 days before harvest.Rot (Virginia and North Carolina only)ARC-TEB 3.6 FLOWABLE FUNGICIDE is a sterol demethylation inhibitor (DMI) fungicide. Chlorothalonil may be tank mixed at the rate of 12 ounces of active ingredient with ARC-TEB 3.6 FLOWABLE FUNGICIDE as a leaf spot resistance management strategy. A spray surfactant is not necessary when ARC-TEB 3.6 FLOWABLE FUNGICIDE is tank mixed with chlorothalonil. Mixing or alternating ARC-TEB 3.6 FLOWABLE FUNGICIDE with other DMI fungicides may lead to resistance. ARC-TEB 3.6 FLOWABLE FUNGICIDE must be carried by rainfall or irrigation into the root and pod zone for control of root and pod rots caused by Scleortium rolfsii and Rhizoctonia solani. Drought conditions will decrease the effectiveness of ARC-TEB 3.6 FLOWABLE FUNGICIDE is nonjunction with cultural practices that are known to reduce the severity of soil borne diseases, such as proper crop rotation practices.FOUR-APPLICATION SPRAY PROGRAM: Apply the specified rate in a preventive spray schedule. See table below for proper timing of applications. Applications of ARC-TEB 3.6 FLOWABLE
FUNGICIDE to discourage development of resistant strains of fungi. For optimum control of foliar diseases such as leaf rust, web blotch, and pepper spot, the lowest label recommended rate of a spray surfactant should be tank-mixed with ARC-TEB 3.6 FLOWABLE FUNGICIDE. LEAF SPOT ADVISORY SCHEDULE: For control of soil borne diseases in an advisory schedule, apply ARC-TEB 3.6 FLOWABLE FUNGICIDE in the first advisory spray in July and continue ARC-TEB 3.6 FLOWABLE FUNGICIDE applications at 14-

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• Do not feed hay or threshings or allow livestock to graze in treated areas.

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Application Timing of ARC-TEB 3.6 FLOWABLE FUNGICIDE for Optimum Control of White Mold and Rhizoctonia Limb and Pot Rot				
Spray Program ARC-TEB 3.6 FLOWABLE FUNGICIDE Application No.		Chlorothalonil Application No.		
7 Applications	3,4,5 and 6	1,2and7		

OBSERVE THE FOLLOWING PRECAUTIONS 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.

Spray Drift Management: For aerial applications, the spray boom should be mounted on the aircraft so as to minimize drift caused by wing tip vortices. The minimum practical boom length should be used, and must not exceed 75% 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.

Spray should be released at the lowest possible height consistent with good pest control and flight safety.

Applications more than 10 feet above the crop canopy should be avoided.

Make aerial or ground applications when wind velocity favors on-target product deposition (approximately 3 to 10 mph). Do not apply when wind velocity exceeds 15 mph. 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. Avoid spraying 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.

ROTATIONAL CROPS

Treated areas may be replanted with any crop specified on this label as soon as practical after last application. Any crop not specified on this label may be planted into treated areas 120 days after last application.

STORAGE AND DISPOSAL

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

Pesticide Storage: Store in the original container in a cool, dry place and in such a manner as to prevent cross contamination with other pesticides, fertilizers, food, and feed. Store out of the reach of children, preferably in a locked storage area.

Open and handle container in a manner as to prevent spillage. If container is leaking, invert to prevent leakage. If the container is leaking or material is spilled for any reason or cause,

carefully dam up spilled material to prevent runoff. Refer to Precautionary Statements on label for hazards associated with the handling of this material. Do not walk through spilled material. Absorb spilled material with absorbing type compounds and dispose of as directed for pesticides below. In spill or leak incidents, keep unauthorized people away.

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

DISPOSAL STATEMENTS:

Nonrefillable container: Do not reuse this container to hold materials other than pesticides or dilute pesticides (rinsate). After emptying and cleaning, it may be allowable to temporarily hold rinsate or other pesticide-related materials in the container. Contact your state regulatory agency to determine allowable practices in your state. Once cleaned, some agricultural plastic pesticide containers can be taken to a container collection site or picked up for recycling. To find the nearest site, contact your chemical dealer or manufacturer, or contact The Agricultural Container Recycling Council (ACRC) at www.acrecycle.org.

Triple rinse or pressure rinse container (or equivalent) promptly after emptying.

For packages up to 5 gallons. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip.

Fill the container 1/4 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. **Pressure rinse** as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

For packages greater than 5 gallons and less than 56 gallons: Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container γ_a 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 rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Pressure rinse as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

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For packages greater than 56 gallons: To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.

For refillable containers: Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.

CONDITION OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

NOTICE: Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded. The Directions for Use of this product should be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather, presence of other materials or other influencing factors in the use of the product, which are beyond the control of ARCANA LLC or Seller, All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold ARCANA LLC and Seller harmless for any claims relating to such factors.

ARCANA LLC warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above, when used in accordance with directions under normal use conditions. This warranty does not extend to the use of this product contrary to label instructions, or under abnormal conditions or under conditions not reasonably foreseeable to or beyond the control of Seller or ARCANA LLC, and Buyer and User assume the risk of any such use. ARCANA LLC MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE. To the extent allowed by state law, neither ARCANA LLC nor Seller shall be liable for any incidental, consequential or special damages resulting from the use or handling of this product. THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF ARCANA LLC AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF ARCANA, LLC OR SELLER, THE REPLACEMENT OF THE PRODUCT.

ARCANA LLC and Seller offer this product, and Buyer and User accept it, subject to the foregoing conditions of Sale and Limitation of Warranty and Liability which may not be modified except by written agreement signed by a duly authorized representative of ARCANA LLC.

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