

PM 21 10951-12

File # 1012



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

MAR 4 1994

Linda C. Watson
Agent for: BRITZ FERTILIZERS INC.
3703 Sedgefield Drive
Valdosta, GA 31602

**OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES**

**Subject: Label Amendment Submission of 11/15/93 in Response to PR Notice 93-7
EPA Reg. No. 10951-12
BRITZ WETTABLE OR DUSTING SULFUR**

Dear Registrant:

The labeling cited above and submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is accepted. A copy of your proposed labeling stamped "ACCEPTED WITH COMMENTS" is enclosed.

WHAT THIS ACCEPTANCE MEANS:

Based on your certification, the Agency has accepted the labeling changes that are necessary to comply with the Worker Protection Standard (WPS) labeling requirements of 40 CFR part 156, subpart K, described in PR Notices 93-7 and 93-11. Any other labeling changes submitted in connection with this amendment application but not directly related to compliance with the WPS have not been reviewed or accepted by the Agency. If you wish to make such changes, you must submit a separate amendment application proposing them. If your product is currently suspended, the acceptance of this labeling amendment does not affect the suspension in any way.

WHAT YOU NEED TO DO NEXT:

Send to EPA one (1) copy of the final printed labeling:

- **BEFORE** selling or distributing any product bearing the final printed labeling
- AND**
- **WITHIN** one year from date of this acceptance.



Recycled/Recyclable
Printed with SoyCanola Ink on paper that
contains at least 50% recycled fiber

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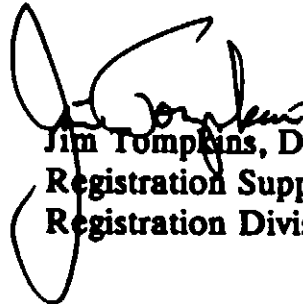
Submit the final printed labeling via the U.S. Postal Service to:

Document Processing Desk (FIN-LABEL)
Office of Pesticide Programs (7505C)
U.S. Environmental Protection Agency
401 M Street, SW
Washington, D.C. 20460-0001

Hand or courier deliveries of final printed labeling may be made to:

Document Processing Desk (FIN-LABEL)
Office of Pesticide Programs
Room 266A, Crystal Mall 2
1921 Jefferson Davis Highway
Arlington, VA 22202

Sincerely,



Jim Tompkins, Deputy Chief
Registration Support Branch
Registration Division (7505W)

Attachment

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BRITZ WETTABLE OR DUSTING SULFUR

FOR SPRAYING OR DUSTING

FUNGICIDE MITICIDE FOR USE ON FRUIT AND BERRIES, CITRUS, NUTS AND VEGETABLES AS LISTED FOR HOPS, SUGAR BEETS, COTTON, SEED ALFALFA, PEANUTS, POTATOES, AVOCADOS, LAWNS, ROSES, FLOWERS AND ORNAMENTAL PLANTS

May be Dusted or Sprayed Directly on Crops as Listed FOR USE AS A SOIL AMENDMENT As a Soil "pH" ADJUSTMENT

ACTIVE INGREDIENT:

Sulfur.....	90%
INERT INGREDIENTS:.....	10%
TOTAL:.....	100%

KEEP OUT OF REACH OF CHILDREN

CAUTION

STATEMENT OF PRACTICAL TREATMENT

IF ON SKIN: Wash with soap and water. Get medical attention if irritation persists.

IF IN EYES: Flush eyes with flowing water for at least 15 minutes. Get medical attention if irritation persists.

See Side/Back Panel for Additional Precautionary Statements

EPA Reg. No. 10951-12

EPA Est. No.

NET WEIGHT: 50 pounds

BRITZ FERTILIZERS, INC.
P. O. Box 366
Five Points, CA 93624-0366

ACCEPTED
with COMMENTS
In EPA Letter Dated

MAR 4 1984
Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
10951-12

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PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Caution: May be harmful if swallowed, inhaled, or absorbed through the skin. Avoid inhalation of vapors, spray or dust. Avoid contact with eyes, skin and clothing.

PERSONAL PROTECTIVE EQUIPMENT

Applicators and other handlers must wear: Long-sleeved shirt and long pants, waterproof gloves, shoes plus socks and protective eyewear.

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 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

For terrestrial uses, 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 contaminate water when disposing of rinsate or equipment washwaters. Do not apply when weather conditions favor drift from areas treated. Do not apply where runoff is likely to occur.

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 protected handlers may be in the area during application. For any

requirements specific to your State or Tribe, 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.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 24 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, waterproof gloves, shoes plus socks and protective eyewear.

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

READ ENTIRE LABEL. Use in accordance with Precautionary Statements and Directions For Use and with applicable State and Federal Regulations.

STORAGE AND DISPOSAL

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

STORAGE: Store product in its original labeled container in a cool, dry, locked place out of reach of children.

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

CONTAINER DISPOSAL: Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned stay out of smoke.

TO USE AS A SPRAY

HOW TO MIX: Select a suitable hand sprayer or power unit which uses a ground rig or aerial applicator. Measure the recommended amount for the specific spray problem separately into water and stir to make a thin "slurry" paste. Fill the spray tank 1/2 full

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and then add the sulfur "slurry" to the tank before other materials are added. When using a suitable "approved" wetting agent add it to the tank last to avoid possible foaming. Keep spray mixture agitated while spraying. Mix only the amount of spray needed for job.

TO USE AS A DUST

Choose a suitable Hand or Power Duster as needed, or select a Certified Ground or Aerial Applicator who uses specialized dusting equipment designed to deposit the dust on all plant surfaces. For best results apply when wind velocity is below 5 m.p.h.. Observe precautions concerning use on sulfur sensitive plants, and temperatures at the time of application.

WHEN TO USE

Apply to crops as needed in season when mites or diseases first appear and when insect "buildup" and plant disease damage is eminent. Repeat as directed for continued control. Contact your State Agricultural Extension Service for crop spray or dusting schedules which give the proper timing for applications in your locality.

HOW MUCH SPRAY OR DUST TO USE

WHEN TO APPLY THE LOWER RECOMMENDED RATE

- 1. During periods of minimal to moderate disease or insect infestation.
- 2. For regular season Cover Sprays.
- 3. When temperatures are up in high 80's & low 90's.

WHEN TO APPLY THE HIGHER RECOMMENDED RATE

- 1. When mites or the diseases are damaging the crop and when weather conditions are favorable for their continued damage.
- 2. When temperatures are below and will not exceed 90° F within the following 3 days after the application.

AS A SPRAY: The lower rates would be 2 or 3 lbs. of the (2 to 6 lbs./100) gallons rate recommendation. The higher rates would be 4 or 6 lbs./100 gallons.

AS A DUST: The lower rate would be 50 lbs. of the (50 to 80 lb. rate) per acre. The higher rate would be 80 lbs.

IMPORTANT: In order to obtain effective mite and disease control, both the upper and lower sides of plant foliage and fruit must be thoroughly covered with spray solution. Poor spray coverage will result in poor mite and disease control. When

growing crops for "processing", consult the processor before applying sulfur. Do not use on any crop unless sulfur has been shown to be safe for that crop in your locality. Sulfur may burn foliage when temperatures exceed 90°F. Sulfur will cause severe fruit and leaf injury to sensitive plants. Do not use on or allow product to drift on to Apricots, D'Anjou or Comice Pears, Cranberries, Cucurbits (Cucumbers, Squash and some varieties of Melons). Filberts, Spinach, Tung Trees, Walnuts and other sensitive plants. Do not apply within 14 days of an oil spray for all crops except CITRUS. For Citrus do not apply within 21 days of an oil spray.

**AS A SPRAY OR DUST FOR FRUIT
APPLES AND PEARS**

For POWDERY MILDEW, SCAB, BLISTER MITES, SILVER MITES AND SPIDER MITES: AS A SPRAY - Use 4 to 6 lbs. per 100 gallons water for ground applications. Use 10 to 30 lbs. in 15 to 20 gallons water per acre for aerial application. Apply PreBloom and Petal Fall. Apply with cover sprays as needed throughout the season. AS A DUST - for Scab use 30 to 35 lbs. per acre at "Green Tip" and again at "Pink Bud". Pink Bud treatments will also control POWDERY MILDEW. Do not apply during or shortly before frost conditions. Do not apply to McIntosh, Golden Delicious or Jonathan apples. Do not apply to D'Anjou or Comice pears.

ALMONDS, CHERRIES, PLUMS, PRUNES

For BROWN ROT, POWDERY MILDEW, LEAF SPOTS, SILVER MITES, FLAT MITES, SPIDER MITES: AS A SPRAY - Use 4 to 6 lbs. per 100 gallons of water for ground applications. Use 10 to 30 lbs. in 15 to 20 gallons water per acre for aerial application. Apply at bloom or early petal fall, repeat as necessary, usually 10 to 14 day intervals or after periods of wet weather for disease control. AS A DUST - for BROWN ROT on Cherries use 40 to 50 lbs. per acre applied 2 to 3 weeks before harvest. For BROWN ROT and PRUNE ROT on Plums and Prunes use 30 to 35 lbs. per acre 5 weeks before harvest. Repeat each 7 days if wet weather prevails and disease threatens during the harvest period.

PEACHES, NECTARINES

For BROWN ROT, POWDERY MILDEW, SILVER MITES AND SPIDER MITES: AS A SPRAY - Use 4 to 6 lbs. per 100 gallons of water for ground applications. Use 10 to 30 lbs. in 15 to 20 gallons water per acre for aerial application. Apply at bloom or early petal fall. Repeat as necessary, usually 10 to 14 day intervals or after periods of wet weather for disease control. AS A DUST - for POWDERY MILDEW use 50 lbs. per acre at petal fall, 2 weeks later and again at beginning of pit hardening. For RUST and POWDERY MILDEW use 50 lbs. after pit hardening. For SILVER MITE use 25 to 35 lbs. per acre after thinning. For Brown Rot use 50 to 60 lbs./acre 4 weeks preharvest and again 2 weeks later.

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CITRUS

Grapefruit, Lemons, Limes, Oranges, Tangelos, Tangerines, Citrus Citron, Kumquats, and hybrids of these). For FLAT MITES, SILVER MITES AND SPIDER MITES: AS A SPRAY - Use 5 to 10 lbs. per 100 gallons of water for ground applications. Use 10 to 30 lbs. in 15 to 20 gallons water per acre for aerial application. For Florida CITRUS RUST MITE use 25 lbs. per 500 gallons water equal to 40 to 50 lbs. sulfur per acre for ground applications. Use 40 to 50 lbs. in 15 to 20 gallons water per acre for aerial application. Limit to one application per season where supplemental rust mite control is needed between main sprays otherwise apply in any spray, as needed for control, during season NOT CONTAINING OIL or within 3 weeks of an oil spray as fruit burn may occur. Apply when mites are present in damaging numbers and repeat as needed or at 10 to 14 day intervals. See Reentry Statement. AS A DUST - for SIX SPOTTED MITE and CITRUS RUST MITE USE 50 to 80 lbs. per acre. For CITRUS FLAT MITE use 80 to 100 lbs. per acre as needed. For YUMA MITE use 100 lbs. per acre. For CITRUS THRIPS use 100 lbs. per acre in Mid March, Petal Fall and again 2 to 4 weeks later. Do not apply within 2 months of an oil spray.

OLIVES

For BUD MITES: AS A SPRAY - use 2 pounds per 100 gallons of water. Apply at the first sign of mite build up and repeat for control as needed or at 10 to 14 day intervals.

AVOCADO

AS A SPRAY: For BROWN MITES apply 2 to 6 lbs. per 100 gallons of water for ground applications. Use 10 to 30 lbs. in 15 to 20 gallons water per acre for aerial application. Apply at first sign of mite build up and repeat for control as needed or at 10 to 14 day intervals.

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AS A DUST: for FIG RUST MITE use 40 lbs. per acre in spring and again in the early summer.

GRAPES

For POWDERY MILDEW, BUD MITES, BLISTER MITES AND SPIDER MITES: AS A SPRAY - use 2 to 6 lbs. per 100 gallons of water. Apply in late dormant or with 1. "cutworm spray", 2. in early shoot period, 3. then through season at 14 day "cover spray" intervals or with, or without pesticides. AS A DUST - For POWDERY MILDEW use 15 to 20 lbs. per acre when shoots are 6, 12 and 18 inches long. Thereafter, repeat each 10 to 14 days to harvest. For RUST apply 15 to 20 lbs. per acre. Begin when new shoots are 6 inches long. Repeat before blossoms open and continue as necessary. NOTE: Concord and Labrusca type grapes may be

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injured by sulfur. Do not apply if temperatures during or shortly after treatment are expected to exceed 100°F.

BLACKBERRY: (Rubis spp.)

For RED MITE (*Acalitus essigi*) AS A SPRAY - apply 3 to 5 lbs. per 100 gallons of water. Start applications in early "bud swell" and repeat applications as necessary for mite control. AS A DUST - use 15 to 20 lbs. and apply as for spray.

**FOR BLACKBERRIES, BLUEBERRIES, RASPBERRIES,
LOGANBERRIES AND CURRENTS**

For POWDERY MILDEW (*Sphaerotheca Humuli*): AS A SPRAY - apply each week starting at first bloom color with 3 to 5 lbs. per 100 gallons of water. Continue at 10 to 14 day intervals until fruit is set; then repeat as necessary and as weather conditions require. AS A DUST - for POWDERY MILDEW use 15 to 20 lbs. per acre during the preharvest season. See WHEN TO USE.

STRAWBERRIES

For POWDERY MILDEW AND RED SPIDER Spp.: AS A SPRAY - apply 3 to 5 lbs. per 100 gallons of water. Start in early leaf stage and repeat applications at 10 to 14 day intervals or as necessary for control with or without pesticides sprays. AS A DUST - use 10 to 20 lbs. preharvest. See WHEN TO USE.

AS A SPRAY OR DUST FOR VEGETABLES

TOMATOES

AS A SPRAY - for Russet Mites apply 3 to 5 lbs. in sufficient water (15 gals. minimum for aerial application and 50 gallons minimum for ground rig) to treat an acre. Thorough coverage of upper and lower sides of leaves and and fruit is required for effective control. Apply when mites are present in damaging numbers and repeat at 10 to 14 day intervals as needed. AS A DUST - for control of RUSSET MITE use 30 to 40 lbs. If crop is being grown with the aid of stakes or poles, apply 10 to 13 lbs. per acre per foot of average plant height. (Plants 4 ft. height = 40 to 52 lbs. acre.)

**BEANS, PEAS, BROCCOLI, CABBAGE, CAULIFLOWER,
COLLARDS, KALE AND PEPPERS**

For POWDERY MILDEW and on BEANS, PEAS AND PEPPERS for SPIDER MITES: AS A SPRAY - Use 3 to 5 lbs. per acre in (15 to 50 gallons water) aerial or ground application respectively. Start in the early leaf stage. Repeat application every 10 to 14 days with or without pesticides or immediately after a rain. AS A DUST - for POWDERY MILDEW AND SPIDER MITES use 15 to 20 lbs. Do not apply to varieties susceptible to sulfur injury. See WHEN TO USE.

CARROTS, ONIONS AND GARLIC

For control of PETROBIA MITE: AS A DUST - use 25 to 30 lbs. per acre as needed for control. See WHEN TO USE.

MELONS

AS A DUST - For POWDERY MILDEW use 15 to 20 lbs. per acre. For SPIDER MITES use 20 to 40 lbs. Do not apply to varieties susceptible to sulfur injury. "Melon" foliage is extremely sensitive to Sulfur burn. Observe use precautions and apply only when temperatures are well below 90°F. See paragraphs on WHEN TO USE and HOW MUCH SPRAY OR DUST TO USE.

POTATOES

AS A SPRAY - for control of POWDERY MILDEW. Use 3 to 4 lbs. in sufficient water to cover 1 acre. Applying by aircraft, use a minimum of 8 gallons of spray per acre. With ground equipment, use a minimum of 10 gallons of spray per acre. Apply at first sign of infection and repeat at three week intervals.

AS A SPRAY OR DUST FOR FIELD CROPS

HOPS

AS A SPRAY: For control of SPIDER MITES. Use 2 to 6 lbs. per 100 gallons of water. Start applications in the early leaf stage and repeat as needed or at 10 to 14 day intervals.

SUGAR BEETS

For POWDERY MILDEW AND SPIDER MITES: AS A SPRAY - Apply 3 to 5 lbs. per acre in 15 to 50 gallons of water by aircraft or ground rig respectively. Apply at first signs of insects or disease. Repeat applications should be made at 10 to 30 day intervals or as necessary throughout the season. Under most disease conditions only one or two applications will be needed. AS A DUST - For SPIDER MITES use 45 to 50 lbs. per acre. For POWDERY MILDEW use 25 to 50 lbs. per acre. For PUCCINIA RUST use 7 1/2 to 12 1/2 lbs. per acre. Apply at the first signs of disease. Repeat at 7 to 10 day intervals. This product may be applied by ground or air. Use the higher rate when applying by air. The use of this product in hot weather 90°F may cause foliage burn. See paragraphs on HOW MUCH TO USE.

COTTON AND SEED ALFALFA

AS A SPRAY - For SPIDER MITES. Apply 3 to 5 lbs. per acre in 20 to 50 gallons of water by aircraft or ground rig respectively. Apply when mites first appear to buildup on new growth and damage to plants is eminent. Thorough spray coverage must be made to the upper and lower portions of all foliage. AS A DUST on

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COTTON: For the ATLANTIC MITE use 45 to 50 lbs. per acre when first observed and before defoliation has occurred. Repeat as needed. AS A DUST on SEED ALFALFA: For ATLANTIC MITE use 15 to 40 lbs. per acre when first observed in flower heads and before defoliation of more than the bottom leaves has occurred. Repeat as needed throughout seedset. May cause some flower burn. Use low rate on immature plants.

PEANUTS

AS A SPRAY: For POWDERY MILDEW, SPIDER MITES AND LEAF SPOT DISEASES apply 3 to 5 lbs. per acre in 15 to 50 gallons of water by aircraft or ground rig respectively. Start in the early leaf stage and repeat applications as necessary or at 10 to 14 day intervals.

ORNAMENTALS

AS A SPRAY: Use 2 to 6 lbs. per 100 gallons of water...and for use AS A DUST use 45 to 50 lbs. per acre. For POWDERY MILDEW OF Alder, Azalea, Buttonbush, Catalpa, Chrysanthemum, Dahlia, Delphinium, Honeysuckle, Horse Chestnut, Hydrangea, Lilac, Linden, Matrimony Vine, Phlox, Rhododendron, Rose, Staghorn Sumac, Sweet Pea, Sycamore, Trumpet Vine, Witch Hazel, Zinnia, RUSTS spp. of Aster, Carnation, Chrysanthemum, Rose and Snapdragon. Make full coverage applications on both sides of leaves. Begin before disease appears. Repeat at 7 to 10 day intervals. See WHEN TO USE. Apply to plant foliage, stems and flowers to leave a "barely visible" dust residue. Do not over apply during full sun nor during times when temperatures exceed 90°F.

CHIGGER CONTROL IN LAWNS

For control of Chiggers in lawns and ornamental and recreational turf areas. AS A SPRAY - mix 4 to 5 lbs. per 30 gallons of water to cover 5,000 sq. ft. of area. Spray all grass and weed foliage 24 hours before expected use. Keep children and pets out of sprayed area 24 hours or until spray has dried. AS A DUST - apply 1 lb. per 1,000 sq. ft. of area, 24 hours before expected use. Repeat as needed for season control.

USE AS A SOIL AMENDMENT FOR Ph ADJUSTMENT

After checking with your local Cooperative Agricultural Extension Service, your soil requirements should be obtained from a soil sample analysis. Many soils will respond to an application of Sulfur to decrease the pH (Acidity). If soils are known to respond to this treatment and Sulfur is recommended to amend the acidity, apply 1 to 2 lbs. of this product per 100 sq. ft. of soil surface. Do not apply more than 2 lbs. per 100 sq. ft. at one time. If more is needed split the applications by applying

the second increment in 6 to 8 weeks. For best results on small garden areas, rake or till the Sulfur into the top 4 to 6 inches of soil.

HOW MUCH TO USE ON SOIL

pH of Soil	Pounds of Sulfur Per 100 Sq. Ft. of Soil to Change pH to 5.2		
	Sandy Soil	Loam Soil	Muck or Peat
7.0	2	3	6
6.5	1	2	5
6.0	1	2	4

For pH treatment of individual plants 4 to 5 feet in height use 1 level tablespoonful per plant every 2 months. Do not apply sulfur during extremely hot (95°F) and humid days.

NOTICE: Buyer and user assumes all risk and liability of use, storage and/or handling of this product not in accordance with the terms of this label.