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EPA File Sym: 55429-R

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This Copy Revision dated 01-27-87
after discussion w/Ms Lois Rossi PM-21

C S C

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

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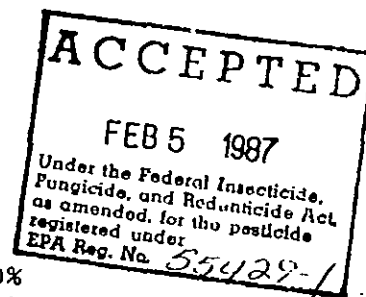
FOR USE AS A SOIL AMENDMENT
As a Soil "pH" ADJUSTMENT

ACTIVE INGREDIENT:

Sulfur 90%

INERT INGREDIENTS: 10%

Total 100%



KEEP OUT OF REACH OF CHILDREN

C A U T I O N

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.

"PRECAUCION AL USUARIO: Si usted no lee ingles, no use este producto hasta que la etiqueta haya sido explicado ampliamente"

SEE SIDE/BACK PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

EPA Reg. No. 55429-R

NET WEIGHT 50 POUNDS

EPA EST. NO. 55429-TX-1

CONTINENTAL SULFUR & CHEMICAL COMPANY
7500 SAN FELIPE
HOUSTON, TEXAS 77063

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. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

ENVIRONMENTAL HAZARDS

Do not contaminate water by cleaning of equipment or disposal of wastes. Do not apply directly to any body of water. Do not apply when weather conditions favor drift from areas treated. Do not apply where run-off 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. READ ENTIRE LABEL. USE IN ACCORDANCE WITH PRECAUTIONARY STATEMENTS AND DIRECTIONS AND WITH APPLICABLE STATE AND FEDERAL REGULATIONS.

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- - - - - RE-ENTRY AND WORKER SAFETY STATEMENT - - - - -

Do not apply this product in such a manner as to directly or through drift expose workers or other persons. The area being treated must be vacated by unprotected persons. Do not enter treated areas for 24 hours unless appropriate protective clothing is worn. Because certain states may require more restrictive re-entry intervals for various crops treated with this product, consult your State Department of Agriculture for further information.

Written or oral warnings must be given to workers who are expected to be in treated areas or in an area to be treated with this product. (Indicate specific oral warnings which inform workers of areas or fields that may not be entered without specific protective clothing, period of time field must be vacated and appropriate actions to take in case of accidental exposure.) When oral warnings are given, warnings shall be given in a language customarily understood by workers. Oral warnings must be given if there is reason to believe that written warnings cannot be understood by workers. Written warnings must include the following information:

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CAUTION: Area treated with CSC WETTABLE OR DUSTING SULFUR on (Date). Do not enter treated areas for 24 hours unless appropriate protective clothing is worn. In case of accidental exposure refer to STATEMENTS OF PRACTICAL TREATMENT or other Precautionary Statements on CSC WETTABLE OR DUSTING SULFUR product label. EPA Reg. No. 55429-1.

STORAGE AND DISPOSAL

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

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.

DIRECTIONS FOR USE (Cont.)
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 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 mph. 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 the 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 & 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.

EPA File Sym: 55429-R CSC WETTABLE AND DUSTING SULFURDIRECTIONS FOR USE (Cont.)AS A SPRAY OR DUST FOR FRUIT

APPLES, and PEARS: For POWDERY MILDEW, SCAB, BLISTER MITES, SILVER MITES, & 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 Pre-Bloom 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 pounds 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, & SPIDER MITES AS A SPRAY use 4 to 6 pounds 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 POWDER 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 pre-harvest and again 2 weeks later.

CITRUS: (Grapefruit, Lemons, Limes, Oranges, Tangelos, Tangerines, Citrus Citron, Kumquats, and hybrids of these). For FLAT MITES, SILVER MITES, & SPIDER MITES AS A SPRAY Use 5 to 10 pounds 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 Re-Entry Statement.

CITRUS: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 Thrip 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. See Re-Entry Statement.

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

DIRECTIONS FOR USE (Cont.)

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. See Re-Entry Statement on this label.

FIG - 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, & SPIDER MITES. AS A SPRAY use 2 to 6 pounds 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, & 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 & continue as necessary. NOTE Concord & Labrusca type grapes may be injured by sulfur. Do not apply if temperatures during or shortly after treatment are expected to exceed 100°F. See Re-entry Statements.

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

FOR BLACKBERRIES, BLUEBERRIES, RASPBERRIES, LONGANBERRIES, & CURRENTS. (Rubis spp.) For POWDERY MILDEW (*Sphaerotheca Humuli*); AS A SPRAY apply each week starting at first bloom color with 3 to 5 pounds 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 pre-harvest season. See WHEN TO USE.

to 5 pounds 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 /acre pre-harvest. See WHEN TO USE and RE-ENTRY STATEMENT.

AS A SPRAY OR DUST FOR VEGETABLES

TOMATOES - AS A SPRAY for Russet Mites apply 3 to 5 pounds 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 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./acre. 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. per acre.)

DIRECTIONS FOR USE (Cont.)

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 pounds per acre in (15 or 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 & SPIDER MITES use 15 to 20 lbs. /acre. Do not apply to varieties susceptible to sulfur injury. See WHEN TO USE & RE-ENTRY STATEMENT.

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 / acre. 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 pounds 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, & SPIDER MITES AS A SPRAY Apply 3 to 5 pounds per acre in; (15 or 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 7½ to 12½ 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 & RE-ENTRY STATEMENT.

COTTON and SEED ALFALFA - AS A SPRAY For SPIDER MITES. Apply 3 to 5 pounds per acre in; (20 or 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 COTTON For the ATLANTIC MITE use 45 to 50 lbs. per acre when first observed and before defoliation has occurred. Repeat as needed. See re-entry and worker safety statement on this label

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 seed-set. May cause some flower burn. Use low rate on immature plants.

DIRECTIONS FOR USE (Cont.)

PEANUTS - AS A SPRAY For POWDERY MILDEW, SPIDER MITES and LEAF SPOT diseases apply 3 to 5 pounds per acre in; (15 or 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, Sweetpea, 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 days 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 sprayed area 24 hours or until spray has dried. AS A DUST apply 1 lb. per 1000 Sq.Ft. of area, 24 hours before expected use. Repeat as needed for season control. (Ref: Metcalf & Flint 1951 p.990.)

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.

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