DEFEND DF

MICRONIZED WETTABLE SULPHUR
WDG (WATER DISPERABLE GRANULE)

For Organic Production

ACTIVE INGREDIENT: BY WT.
Sulfur* 80.0 %
OTHER INGREDIENTS: 20.0%
TOTAL: 100.0 %

*CAS No. 7704-34-9

KEEP OUT REACH OF CHILDREN
CAUTION

FIRST AID:

If Inhaled
• Move person to fresh air.
• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.
• Call a poison control center or doctor for further treatment advice.

If on Skin or Clothing
• Take off contaminated clothing.
• Rinse skin immediately with plenty of water for 15-20 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 15-20 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 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 the poison control center or doctor.
• Do not give anything by mouth to an unconscious person.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

See additional Precautionary Statements on side panel.
EPA Reg. No. 62562-8 EPA Est. No. 62565-CHL-002

Manufactured by: QUIMENTAL INDUSTRIAL S.A.
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PRODUCT OF CHILE

Net Contents: 55lbs (25 Kg)

Batch Code / Lot Number: ________
PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Harmful if swallowed, inhaled, or absorbed through skin. Avoid contact with eyes, skin, or clothing. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.

PERSONAL PROTECTIVE EQUIPMENT
Applicants and other handlers must wear long-sleeved shirt and long pants, chemical-resistant gloves made of any waterproof material, shoes plus socks, and protective eyewear. Follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions are available, use detergent and hot water. Keep and wash PPE separately from other laundry.

When handling spread systems,enclosed or attached in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides (40 CFR 190.440(a)(8-8)). The WPS requires the use of personal protective equipment that may be reduced or modified as specified in the WPS.

USER SAFETY RECOMMENDATIONS
Remove personal protective equipment immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change clothing as necessary.

ENVIRONMENTAL HAZARDS
This product is toxic to fish and aquatic organisms. Do not apply directly to water, to areas where surface water is present or to intermittent areas below the nearest high water mark. Do not contaminate water when disposing of unusable or equipment washwaters.

PHYSICAL HAZARDS
Sulfur dust suspended in air ignites easily. Keep away from heat, sparks, or flames. Do not smoke while applying this product.

DIRECTIONS FOR USE
It is a violation of Federal law to use this product in a manner not consistent 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 in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 190. This standard contains requirements for use of agricultural pesticides on farms, forests, nurseries, 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 statement's label about personal protective equipment (PPE). The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard. Do not rely on other or allow water entry into treated areas during the restricted entry interval (REI) of 24 hours. EXCEPTION: This product is applied by injection or soil fumigation. Do not use contact PPE when injecting or soil fumigating. PPE required for early entry is treated areas that are permitted under the Worker Protection Standard and that involve contact with anything that has been treated, such as plants, soil, or water is: overalls, waterproof gloves, shoes plus socks, and protective eyewear.

NON-AGRICULTURAL USE REQUIREMENTS
The requirements in this box only apply to uses of this product that are HOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 190). This WPS applies when this product is used to prevent agricultural pests on farms, forests, nurseries, or greenhouses. For non-agricultural lawn and garden uses (pavements, home lawns, and landscapes around buildings) do not enter or allow others to enter treated area until sprays have dried.

STORAGE AND DISPOSAL
PRECAUTIONS: Do not contaminate water, food, or feed by storage or disposal of this product.

PESTICIDE STORAGE: Store in a cool, dry area.

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

COMPRESSORS: Completely empty bag into application equipment. Never refill bag. Do not reuse or refill bag. Offer for recycling, if available. If not recyclable, dispose of empty bag in a sanitary landfill or by incineration, if allowed by State and local authorities. If burned, stay out of smoke.

Sulfur may cause severe frost and foliage injury to certain crops. Sulfur dust on plant leaves includes Datura and Cowpea peas, carrots, cucumbers, certain varieties of cucumbers, beans, spinach, watermelon, and certain ornamentals. Apply peas and strawberries are susceptible to foliar burn with sulfur when certain conditions occur. Sulfur may burn foliage when conditions are high. Do not apply if temperatures lasting within 2 days after application are expected to exceed 80°F. Do not apply on days of high sulfur when overhead conditions are expected. Do not use within 2 weeks of an oil spray treatment or within 4 weeks of an sulfur treatment. Do not apply with oiling equipment and delayed dormant applications according to specific direction. When growing crops for processing the processor before applying spray. Measure needed amount into bucket, stir to make dry. Add to tank when partially full and before other materials are added. Add wetting agents last to avoid foaming.

DIRECTIONS FOR DILUTION
DISSOLVED APPLICATION: Ground application: Apply specified rate in 30-40 gallons of water per acre. Orchard application: Apply specified rates in 100-200 gallons of water per acre.

AERIAL APPLICATION: Apply specified rate in 2.5-3.0 gallons of water per acre. For orchard applications, do not apply less than 10 gallons of water per acre.

USE HIGH DOSAGE RATES WHEN DISEASE PREDICTION IS SEVERE.

CROP USE DIRECTIONS
ALMONDS: Grow first bloom and May Night, Leaf Spot, Red Spider Mites, Fol Mite, Rust, Silver Mite, Apply 15.0 lbs. per acre. Apply to blooming or early petiole foliar. Apply with spray oil during the dormant period and delayed dormant periods of leaf development using 15.0 lbs. per acre.

APPLES, PEARS: Powdery Mildew, Soak, Bitter Mites, Red Spider Mites, Silver Mite, Two-Spot Spider Mites. Apply 10.0 lbs. per acre. Do not apply to Ladybug eyes.

APRICOTS (ALL VARIETIES): Leaf Spot, Apply 15.0 lbs. per acre. Begin when disease first appears and repeat at 7 to 10-day intervals.

ASPARAGUS: Rust, Apply 10.0 lbs. per acre. Use after cutting stages. Irrigate and cultivate before applying. Repeat at 7- to 10-day intervals through the harvest season.

AVOCADO: Apply 15.0 lbs. per acre. When ripe are first noticed.

BARBARES MITE: Apply 15.0 lbs. per acre as needed.

BEANS, PEA, PEPPERS, POTATOES: Powdery Mildew, Red Spider Mites, Apply 3 to 5 lbs. per acre. Start in early leaf stage. Repeat every 15-20 days, with or without pesticides, immediately after a rain.

BROCCOLI, BRUSSELS SPROUTS, CABBAGE, CAULIFLOWER, KALE, KALE: Powdery Mildew, Septoria Leaf Spot, Red Spider Mites. Apply 3.5 lbs. per acre. Start at first leaf stage. Repeat every 15-20 days, immediately after a rain.

BLACKBEARD, EGGFORDIAN, DEEPFOOT, LOGANBERRY, BLUEBERRY, GROUSEBERRY, HUCKLEBERRY, Currants: Powdery Mildew. Apply 0.5 lbs. per acre. Begin when petals have started to open and before blossom heads open. Repeat at 10-14 day intervals or as necessary.

CARROTS, SOURCIL, ORIONS, SWALLOWT: Mildew, Powdery Mildew. Apply 3.0 lbs. per acre when disease first appears and repeat as necessary.

CELERY: Powdery Mildew, Rust, Apply 4.5 lbs. per acre. Apply every 8 to 10 days, or as necessary. Repeat every 10 to 14 days or as needed.

CHERRIES: Brown Rot, Blossom and Twig Blight, Powdery Mildew, Red Spider Mites, Rust, Apply 10.0 lbs. per acre. Begin when disease first appears, usually 75-90 days prior to the period of wet weather.

CITRUS: Powdery Mildew, Rust, Soak, Blight, Citrus Rust Mites, Red Spider Mites, Silver Mite, Black Spot, Mite, blue mold, Mite, black mold, Mite, thrips, Yuma Spider Mites. Apply 9-20 lbs. per acre. In any spray of water, 10% CONTAMINANT, oil, or following by oiling.

CLOVER: Powdery Mildew. Apply 3.5 lbs. per acre. As needed.

COTTON, ALPACA, GIN MILL, CHINESE NOVA: Powdery Mildew. Apply 3 to 5 lbs. per acre. As needed.

CORN, WHEAT, BARLEY, OATS, RYE, BORDHIN: Powdery Mildew, Mildew, Rust, Red Spider Mites, Two-spotted Mites. Apply 3-10 lbs. per acre. As needed. When disease first appears and repeat as necessary.

COPRA: Rust, Apply 3.5 lbs. per acre. Begin disease control after peeling emergence. Repeat at 7 to 10-day intervals as needed throughout the growing season.

CUCUMBERS: Powdery Mildew. Apply 2.5 lbs. per acre. Begin when disease first appears and repeat as necessary. Do not apply more than 2 pounds per acre per application during periods of high temperature.

CURRANTS: Powdery Mildew, Rust, Mite, Black Spider Mites. Apply 2 to 10 lbs. per acre. Application intervals throughout the growing season 10 to 14 days.

DATES: Powdery Mildew, Rust, Apply 20 lbs. per acre. Apply to sufficient water to provide thorough coverage of the fruit cluster. Begin application at bloom or up to the picking stage. Repeat every 14 to 21 days as necessary, subject to rains and are no longer subject to white molding injury. DIOPTER: Powdery Mildew. Apply 4.5 lbs. per acre. Apply when first disease appears. Repeat at weekly intervals or as needed.

ENDIV, ESCAROL, SUMMER CHARD, SALT: Powdery Mildew, Red Spider Mites. Apply 4.5 lbs. per acre. At early leaf stage and repeat every 10 to 14 days or as necessary.

FISHES: (including Epitheca Mite and Myzus persicae). Apply 5.0 lbs. per acre. At a minimum of 100 pounds per acre. Begin applications in the spring and continue on a 3- to 4-week schedule or as needed.

FLAX: Powdery Mildew. Apply 2 to 10 lbs. per acre. At first sign of disease. Repeat at 7 to 10-day intervals or as needed.

FORAGE CROPS: ORCHARD GRASS, FERGUSON, FERGUSON GRASS, FERGUSON, GRASS, BUCKWHEAT, BUCKWHEAT: Mites including Banksia Mite. Apply 5 lbs. per acre. Begin disease control after application of 7-day intervals, or as needed. Until mites are below economic levels. The addition of an appropriate systemic, insecticide (e.g., bifenthrin) to the mixture of one or three of the above recommended, will not be necessary. For aerial applications, use the specified rate to a minimum of 3 gallons of water per acre. For ground applications, use the specified rate to a minimum of 20 gallons of water per acre.

GRAPE: Powdery Mildew, Rust, Bitter Mites, Red Spider Mites, Phomopsis. Apply 2 to 10 lbs. per acre. Apply In-late dormant or at bloom in spring and continue on a 4- to 6-week schedule or as needed.
GREENS, COLLARDS, KALE, MUSTARD, BEET: Powdered Mildew, Red Spider Mites, Rust. Apply 3 to 10 lbs. per acre. Apply at early leaf stage and repeat every 14 days or as needed. Through coverage is needed. MANGOS: Powdered Mildew. Apply 10 to 25 lbs. per acre. Begin application before bloom. Repeat at bloom, after the first set, and 3 weeks later, or as necessary. MELONS: Powdered Mildew. Apply 10 to 25 lbs. per acre. Treat when disease first appears and repeat as necessary. Apply at the frequency necessary to control the disease. Spray 2 to 3 lbs. per acre, depending upon the amount of load. Avoid spraying in fine rain or drizzle. When the temperature reaches 90°F, do not use sulfur sensitive varieties.

PEACHES AND NECTARINES: Powdered Mildew, Leaf Spot, Bacterial Canker, Black Spot. Apply 3 to 10 lbs. per acre. Apply at bloom or early bud set. Repeat application as necessary, usually 10 days or after the first application. MUSKMELONS: Powdered Mildew, Leaf Spot, Rust, Black Rot. Apply 10 to 30 lbs. per acre. Apply at bloom or early bud set. Repeat application as necessary, usually 10 days or after the first application. PUMPKINS, SQUASH, GOURDS: Black Mold, Gray Mold, Mildew, Rust. Apply 10 to 30 lbs. per acre. Apply at bloom or early bud set. Repeat application as necessary, usually 10 days or after the first application. AVOCADOS: Black Mold, Gray Mold, Mildew, Rust. Apply 10 to 30 lbs. per acre. Apply at bloom or early bud set. Repeat application as necessary, usually 10 days or after the first application. PEACHES AND NECTARINES: Powdered Mildew, Leaf Spot, Black Mold, Gray Mold, Mildew, Rust. Apply 3 to 10 lbs. per acre. Apply at bloom or early bud set. Repeat application as necessary, usually 10 days or after the first application.

MANY OF THE PRODUCTS LISTED ABOVE ARE IN THE NATURE OF PROTECTIVE TREATMENT FOR INSECTS AND DISEASES. THE INSECTS AND DISEASES LISTED IN THE NEXT SECTION CAN BE REDUCED BUT NOT ELIMINATED ENTIRELY. MORE THAN ONE APPLICATION MAY BE NEEDED TO ADEQUATELY CONTROL MANY OF THESE PESTS. WHEN THE TEMPERATURES UNDER 50°F, LOWER RATES AND LESS FREQUENT APPLICATIONS ARE RECOMMENDED. WHEN THE TEMPERATURES EXCEED 55°F, LOWER RATES AND MORE FREQUENT APPLICATIONS ARE RECOMMENDED TO ADEQUATELY CONTROL MANY OF THESE PESTS.

PEACHES AND NECTARINES: Brown Rot and Twig Blight, Powdered Mildew, Silver Mites, Red Spider Mites, Flat Leaf Spot. Rust. Apply 10 to 30 lbs. per acre. Apply at bloom or early bud set. Repeat application as necessary, usually 10 days or after the first application. PUMPKINS, SQUASH, GOURDS: Black Mold, Gray Mold, Mildew, Rust. Apply 10 to 30 lbs. per acre. Apply at bloom or early bud set. Repeat application as necessary, usually 10 days or after the first application. AVOCADOS: Black Mold, Gray Mold, Mildew, Rust. Apply 10 to 30 lbs. per acre. Apply at bloom or early bud set. Repeat application as necessary, usually 10 days or after the first application. PEACHES AND NECTARINES: Brown Rot, Gray Mold, Mildew, Rust. Apply 10 to 30 lbs. per acre. Apply at bloom or early bud set. Repeat application as necessary, usually 10 days or after the first application.

Olive Fly, Olives. Apply 10 to 30 lbs. per acre. Apply at bloom or early bud set. Repeat application as necessary, usually 10 days or after the first application. LEAF SPOT MITES: Apply 3 to 10 lbs. per acre. Apply at bloom or early bud set. Repeat application as necessary, usually 10 days or after the first application. PLUMS AND PRUNES: Oak Mold, Blue mold. Apply 3 to 10 lbs. per acre. Apply at bloom or early bud set. Repeat application as necessary, usually 10 days or after the first application.

For a complete list of all products and rates, please contact your local extension agent or agricultural service provider. For general information on pest management, visit the website of the United States Department of Agriculture (USDA) or the Entomological Society of America (ESA).