

Reg #

49668-4

PM-21

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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Ms. Peggy Galloway
W. R. Landis Associates, Inc.
P. O. Box 5126
Valdosta, GA 31603

NOV 13 1988

Dear Ms. Galloway:

Subject: REDBALL EM-53 LIQUID SULFUR
EPA Registration Number 49668-4
Your Submission Dated November 7, 1988

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable, however, indicate the disease intended to be controlled on roses. We have accepted black spot, brown spot, brown canker, leaf spot, powdery mildew and rust on roses.

Sincerely yours,

Lois A. Rossi
Product Manager (21)
Fungicide- Herbicide Branch
Registration Division (TS-767C)

CONCURRENCES

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REDBALL EM-53 LIQUID SULPHUR;

CHEMIGATION INFORMATION

49668-4

GENERAL INSTRUCTIONS:

Apply this product only through sprinkler irrigation system(s), including center pivot, lateral move, end tow, side (wheel) roll, traveler, big gun, solid set, or hand move. Do not apply this product through any other type of irrigation system.

Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from non-uniform distribution of treated water.

If you have questions about calibration, you should contact State Extension Service Specialists, equipment manufacturers, or other experts.

Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the pesticide label-prescribed safety devices for public water systems are in place.

A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.

RECOMMENDATIONS:

Keep agitator running in supply tank during irrigation operations.

Apply continuously for the duration of the water application.

Mixing instructions for dilution of pesticide in supply tank:

Pour label-recommended amount of REDBALL EM-53 LIQUID SULPHUR on surface of water in nearly filled mixing tank or pre-mix in a bucket before pouring into mixing tank. Keep agitator running during filling. Do not allow mixture to stand in irrigation equipment. Sulphur is highly corrosive and equipment should be cleaned thoroughly after each day's spraying.

BEST AVAILABLE COPY

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SPRINKLER CHEMIGATION:

General Instructions:

The system must contain a functional check valve, vacuum relief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.

The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.

The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.

The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.

The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.

Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

Do not apply when wind speed favors drift beyond the area intended for treatment.

Insert #1 :

RE-ENTRY STATEMENT

Do not enter treated area without protective clothing until sprays have dried or dusts have settled.

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.

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 a treated area or in an area about to be treated with this product. 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:

CAUTION: Area treated with
REDBALL EM-53 LIQUID SULPHUR
on (date of application).
Do not enter without appropriate
protective clothing until sprays
have dried or dusts have settled.
In case of accidental exposure,
see the Statement for Practical
Treatment on this label.

Replacement # 1 :

STORAGE AND DISPOSAL

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

STORAGE: Store unused product in original container only in a cool, dry area out of reach of children and animals.

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

CONTAINER DISPOSAL: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, by incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke.

REPLACEMENT # 2 :

POTATOES, PEAS, BROCCOLI, BRUSSEL SPROUTS, CABBAGE,
CAULIFLOWER: For control of powdery mildew and mites, apply
4 to 7 pints per acre. Start in early leaf stage. Repeat
as necessary.

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INSERT # 2 :

ONIONS/CARROTS: For control of mites and powdery mildew, apply 4 to 12 pints and repeat as necessary.

WHEAT, OATS, BARLEY, RYE, RICE, SORGHUM, CORN, SOYBEANS: For control of mites and powdery mildew, apply 4 to 20 pints per acre. Repeat as necessary.

WALNUTS: For control of mites, apply 8 to 28 pints per acre. Repeat as necessary. **CAUTION:** Certain varieties of walnuts are sensitive to sulphur sprays.

POULTRY HOUSES & YARDS: For control of chicken lice, sticktite fleas, mites, and fowl ticks in yards and confinements. Mix from 3 to 6 gallons REDBALL EM-53 LIQUID SULPHUR with enough water to cover 400 sq. ft. Spray walls, floors, and yard insuring thorough coverage. Repeat application should be made at 3-week intervals as necessary.

ORNAMENTALS (Aster, Carnations, Cherry Laurel, Chrysanthemums, Crepe Myrtle, English Ivy, Gladiolus, Hollyhock, Laurel, Petunia, Sage, Sunflowers, Sweet Peas, Violets, Zinnias): For control of powdery mildew and leaf spots caused by fungi imperfecti and ascomycetes, apply 4 to 8 pints per 100 gallon. Begin when disease first appears and repeat at 5 to 10-day intervals.

ROSES: Apply 4 to 8 pints per 100 gallons. Begin when disease first appears and repeat at 5 to 10-day intervals.