

US EPA ARCHIVE DOCUMENT

3-17-81 HAA

DATE: March 17, 1981

SUBJECT: Dithane M-45 Flowable Agricultural Fungicide
EPA Registration No.: 707-156

FROM: Sherell A. Sterling
FHB/TSS

3-20-81
FHB

TO: Henry Jacoby
Product Manager (21)

Applicant: Rohm and Haas Company
Independence Mall West
Philadelphia, PA 19105

Active Ingredients:

A coordination product of zinc iron & manganese	
ethylene bisdithiocarbamate.....	35%
[in which the ingredients are:	
Manganese.....	7.0%
Zinc.....	0.9%
Ethylene bisdithiocarbamate ion.....	27.1%]
Inert Ingredients.....	65%

Background:

This product was originally registered in 1979 under the combined method of support. An Acute Inhalation study was submitted on February 19, 1981 for Mancozeb Flowable. The study was conducted by the Toxicity Department of Rohm and Haas Company, Spring House, Pennsylvania.

Recommendations:

1. Since this product was registered under the "combined alternate and cite-all" method of support, data submitted must be on a formulation identical to EPA Registration No. 707-156. Therefore, the composition of "Mancozeb Flowable" must be submitted to compare with the composition of EPA Registration No. 707-156.
2. The Toxicity category for Acute Inhalation studies is based on the atmospheric concentration of the substance, not the nominal concentration. Since the highest actual concentration in the study was 0.35 mg/l, the substance was shown only to be no worse than toxicity category II-WARNING. This differs from the signal word (CAUTION) on the currently accepted label. FHB/TSS recommends that one of the following actions be taken (provided that the test substance is identical to EPA Reg. No. 707-156):

- a. Change the signal word to WARNING and revise labeling accordingly; or
 - b. Conduct another inhalation study with higher atmospheric concentrations, preferably 5 mg/l for 4 hours; or
 - c. Document that the concentration was the highest achievable concentration, if applicable. *(In which case the signal word would be WARNING)*
3. Labeling recommendations are withheld pending receipt of additional information (as described in above paragraphs).

Review:

1. Acute Inhalation Toxicity of Mancozeb Flowable US (TD 79-47) Aerosol in Rats; Rohm & Haas Report #79R-132; December 18, 1980; Acc. No, 244505.

Procedure:

10 M (258-304g) and 10F (198-219g) Sprague-Dawley rats each were exposed to an aerosol of Mancozeb Flowable. Exposure was for four hours in a 240 l chamber with a dynamic airflow rate of 60 l/min. Gravimetric and analytical concentrations were determined; particle size determined with eight stage Andersen Cascade Impactor. Animals were observed for 14 days post-exposure. All animals were subjected to necropsies.

Results:

Nominal concentration was 4.9 mg/l; gravimetric concentration was 0.35 ± 0.06 mg/l. The difference between the nominal and gravimetric concentration was attributed to impaction of the aerosol with surfaces in the exposure system. The mass median diameter was 6.3 μ m.

No mortalities, $LD_{50} > 0.35$ mg/l. Slight dyspnea observed in animals. Necropsies revealed: cervical lymph nodes - red spotted, red, and/or enlarged (6/20); lungs-scattered red spots (4/20), pinpoint grey foci (5/20), diffuse brown areas (5/10); unilateral nephrosis (2/20); enlarged and fluid-filled uterus (1/10); red-spotted thymus (1/20).

Study Classification:

Core Minimum Data. Actual concentration must be higher.

Toxicity Category: II-WARNING.

Since the highest concentration achieved in this study ^{was only 0.35 mg/l}, FHB/TSS can only conclude that the substance is no worse than toxicity category II,

8842 RO

DITHANE M-45

FLOWABLE AGRICULTURAL FUNGICIDE

ACCEPTED
 JUL 25 1979
 Under the Federal Insecticide, Fungicide, and Rodenticide Act,
 as amended, for the pesticide
 registered under
 EPA Reg. No. 7-1-156

ACTIVE INGREDIENTS

A coordination product of zinc ion and manganese ethylene bisdithiocarbamate

In which the ingredients are:	15.0
Manganese	7.0
Zinc	0.9
Ethylene bisdithiocarbamate ion (C ₄ H ₆ N ₂ S ₄)	2.1

INERT INGREDIENTS

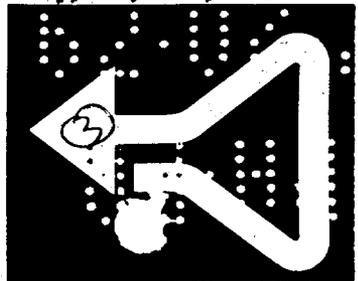
	55.9
	100

*Equivalent to 3.8 lbs. of active ingredient per gallon

KEEP OUT OF REACH OF CHILDREN

CAUTION

Before using this product, read all additional precautionary statements, storage and disposal instructions, use restrictions and limit of warranty and liability statements on side panel and attached use directions.



PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

May cause irritation of nose, throat, eyes and skin. Avoid contact with skin, eyes or clothing. Avoid breathing spray mist. In case of contact immediately flush eyes or skin with plenty of water. Get medical attention if irritation persists.

Wash thoroughly after using and before eating or smoking. Remove and wash contaminated clothing before reuse.

ENVIRONMENTAL HAZARD

This pesticide is toxic to fish. Keep out of lakes, ponds or streams. Do not apply when weather conditions favor drift from areas treated. Do not contaminate water by cleaning of equipment or disposal of wastes.

STORAGE AND DISPOSAL

PROHIBITIONS AND RECOMMENDATIONS: Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited. Do not reuse empty container.

Keep away from fires and sparks. Store in a cool place, but not below 32°F. Do not allow to become overheated in storage. This may bring on chemical changes which will impair the fungicidal effectiveness of DITHANE M-45 FLOWABLE. Keep container closed when not in use.

PESTICIDE DISPOSAL: Pesticide, spray mixture or rinsate that cannot be used or chemically reprocessed should be disposed of in a landfill approved for pesticides or buried in a safe place away from water supplies.

CONTAINER DISPOSAL: Triple rinse (or equivalent) and dispose in an incinerator or landfill approved for pesticide containers, or bury in a safe place.

GENERAL: Consult Federal, State or local disposal authorities for approved alternative procedures such as limited open burning.

NOTICE: Seller warrants that this product conforms to the chemical description and is available for the

ROHM AND HAAS COMPANY
PHILADELPHIA, PA. 19105

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EPA REG. NO. 707-156-AA
EPA EST. NO. 707-FR-1
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DITHANE® M-45 FLOWABLE FUNGICIDE

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EPA EST. NO. 707-FR-1
Copyright, 1979, Rohm and Haas Company
DITHANE® M-45 FLOWABLE FUNGICIDE

DIRECTIONS FOR USE

It is a violation of federal law to use this product in a manner inconsistent with its labeling.

GENERAL INSTRUCTIONS

Pour DITHANE M-45 FLOWABLE slowly into spray tank as it is being filled or premix thoroughly in nurse tank for concentrate or aircraft sprayers. Add insecticide and nutritional sprays last. DITHANE M-45 FLOWABLE can be applied alone or it can be applied with various other pesticides in recommended spray schedules. For further details, see recommendations on this label. Then consult current State Agricultural Experiment Station spray schedules or State Extension Service Specialists for information on compatibility, dosage, timing and frequency of sprays.

VEGETABLES

ASPARAGUS—Rust. Use 1.7 qts. DITHANE M-45 FLOWABLE per acre in sufficient to provide thorough coverage. Start applications when rust first appears and at 10 day intervals as long as rust persists. Four applications will usually be sufficient. Apply only on asparagus ferns after spears have been harvested.

CARROTS—Alternaria leaf spot and Cercospora. Use DITHANE M-45 FLOWABLE at 1.3 to 1.7 qts. per acre in 75 to 125 gallons of water. Start applications when disease first threatens and repeat every 7 to 10 days as needed. Do not apply within 7 days of harvest. Do not use treated tops for food or feed.

CELERY, FENNEL—Early blight and late blight. Use DITHANE M-45 FLOWABLE at 1.7 qts. per acre in sufficient water for thorough coverage. Start applications in the plant bed when plants first come through the ground. Make further applications at 3 to 5 day intervals until plants are set in the field. Continue field applications on a 7 day schedule. Do not apply within 7 days of harvest on fennel or 14 days of harvest for celery. Remove excess residue remaining at harvest by stripping, trimming, and washing.

CORN (sweet, popcorn)—Helminthosporium leaf blight. Use DITHANE M-45 FLOWABLE at 1.3 qts. per acre in sufficient water for thorough coverage. Start applications when disease first appears and repeat at 4 to 7 day intervals. Do not apply within 7 days of harvest. Do not feed treated forage to livestock.

CUCUMBERS, CANTALOUPE, HONEYDEW MELONS, MUSKMELONS, SUMMER SQUASH, WATERMELONS—Alternaria and Cercospora leaf spots, anthracnose, downy mildew, gummy stem blight and scab. Use DITHANE M-45 FLOWABLE at 1.7 to 2.5 qts. per acre in sufficient water to provide thorough coverage. Start applications when plants are in the twp leaf stage and repeat at 5 to 7 day intervals. Direct spray for thorough coverage of both upper and lower leaf surfaces. Do not apply within 5 days of harvest.

ONIONS (dry bulb)—Botrytis leaf blight, downy mildew, purple blotch and neck rot. Use DITHANE M-45 FLOWABLE at 1.7 to 2.5 qts. per acre in 100 gallons of water. Start a protective spray schedule starting when diseases are first reported in the area and repeat at 7 day intervals throughout the season. Do not apply within 7 days of harvest. Do not allow spray or drift to contact bulbs after lifting from soil.

ONIONS (New York Only)—Apply 2.5 qts. of DITHANE M-45 FLOWABLE per acre as a furrow drench to muck soil at planting time of onion seed. Use a total of 100 gallons of water per acre for a uniform coverage of muck soil. This treatment is used for control of onion smut on emerging seedlings. Do not use more than 2.4 pounds actual/acre (29,000 linear feet of furrow).

POTATOES—For early and late blight. Apply every 7 to 10 days throughout the season. Begin applications when plants are 4 to 6 inches high by applying 0.8 qts. DITHANE M-45 FLOWABLE per acre. As the vines increase in size, apply 1.3 to 1.7 qts. per acre. Thorough, uniform coverage is essential for good disease control. For low gallonage, air blast or aircraft sprayers adjust the mixing rate accordingly.

POTATO SEED TREATMENT—For control of Fusarium seedpiece decay and seed borne common scab dip whole or cut potato tubers in 1 qt. DITHANE M-45 FLOWABLE per 50 gallons of water. Place treated tubers in clean containers following treatment and plant as soon as possible. Spread in a cool place if held before planting. Do not use treated seed potatoes for food or feed purposes.

TOMATOES—Late blight, early blight, gray leaf spot, gray leaf mold and anthracnose. Use DITHANE M-45 FLOWABLE at 1.3 to 2.5 qts. per acre in sufficient water to provide thorough coverage. Start applications when seedlings emerge and repeat at 7 day intervals throughout the season. Do not apply within 5 days of harvest.

TOMATOES—Bacterial spot. Use 1.3 qts. DITHANE M-45 FLOWABLE combined with 4 lbs. tribasic copper sulphate per acre in 100 gallons of water. Start applications when seedlings emerge and repeat at 3 to 4 day intervals as long as bacterial spot is prevalent. Do not apply within 5 days of harvest.

FRUIT

APPLES, CRABAPPLES, PEARS, QUINCE—Bitter rot, black rot, brown rot, cedar apple rust, fly speck, scab and sooty blotch. Use DITHANE M-45 FLOWABLE at 0.8 to 1.7 qts. per 100 gallons of finished spray (8 qts./A. maximum). Make application every 7 to 14 days throughout the season starting with a green tip or delayed dormant spray and continue through cover sprays. For low volume air blast sprays adjust the mixing rate accordingly. Add 2 to 3 oz. TRITON B-1956 spreader-sticker in last three sprays to provide smooth, even application and reduce spotty unsightly deposits. Do not graze livestock in treated areas. Consult local state spray schedules for further details on dosage, timing and number of sprays. Do not apply within 15 days of harvest on crabapples, pears and quince or within 30 days of harvest on apples in New England, New York, Michigan, Far West and other states not specifically listed below.

Do not apply to apples within 21 days of harvest in Arkansas, Delaware, Illinois, Indiana, Kansas, Kentucky, Maryland, Missouri, New Jersey, North Carolina, Ohio, Pennsylvania, South Carolina, Tennessee, Virginia and West Virginia.

Apples—DITHANE M-45 FLOWABLE fungicide plus benomyl fungicide as a tank mixture for the control of scab, powdery mildew, cedar apple rust, quince rust, sooty blotch, flyspeck, brown rot, bitter rot, and black rot. Use 20.2 fluid ozs. DITHANE M-45 FLOWABLE plus 2 to 3 ozs. of benomyl (50%) per 100 gals. of water. Non-phytotoxic superior type spray oil (60 to 70 second viscosity) may be added at the rate of 1 quart per 100 gallons. Begin applications at 1/2" green tip and repeat at 7 to 14 day intervals (or as needed) through cover sprays. Under severe disease conditions, use the shorter interval and the higher rate of benomyl in the tank mixture.

Apply 200 to 500 gallons of spray per acre with hydraulic ground equipment. Use the lower volume for small trees (up to 12 feet) and the higher volume for larger trees. Use the equivalent amount of the products (including oil) per acre with concentrate sprayers.

Add spray oil and use the higher rate of benomyl on varieties more susceptible to powdery mildew, and also for scab, if an application is missed and an infection period has occurred. Apply as soon as possible after the infection period in order to deactivate scab and prevent further infection.

With Golden Delicious, adverse effects on fruit finish and color may result; if finish and color are of primary importance, do not use more than 2 ozs. benomyl per 100 gallons.

Do not apply within 21 days of harvest in Arkansas, Delaware, Illinois, Indiana, Kansas, Kentucky, Maryland, Missouri, New Jersey, North Carolina, Ohio, Pennsylvania, South Carolina, Tennessee, Virginia, and West Virginia. Do not apply within 30 days of harvest in all other states. Do not graze livestock in treated orchards.

IMPORTANT: Do not use alkaline pesticides, such as basic copper sulfate, Bordeaux mixture, or lime sulfur, as a tank mixture with benomyl. Before using DITHANE M-45 FLOWABLE, benomyl, and superior type spray oil, read and carefully observe the cautionary statements and all other information appearing on the product labels.

PEARS—(Pacific Northwest Only)—Pear psylla. Effective control of young nymphs can be obtained by using 2 to 3 consecutive sprays. Applications should start at petal fall and continue at 7 to 10 day intervals. As new growth occurs it must be protected by spraying. Use 1.3 qts. of DITHANE M-45 FLOWABLE in 100 gallons of water. Do not exceed 8 qts. of DITHANE M-45 FLOWABLE per acre. Timing of sprays should coincide with the initial appearance of pear psylla nymphs. Specific timing of sprays to control psylla should be obtained from State Agricultural Experiment Station workers or State Extension Service specialists.

Post harvest sprays of DITHANE M-45 FLOWABLE can be made using 1.3 to 1.7 qts. of DITHANE M-45 FLOWABLE in 100 gallons using full coverage of 800 to 1,000 gallons per acre. Timing of spray should be under the direction of State Agricultural or Extension Service workers.

Do not graze livestock in treated areas. Do not apply within 15 days of harvest.

CRANBERRIES—Fruit rot. Use DITHANE M-45 FLOWABLE at 2.5 to 5 qts. per acre in sufficient water for thorough coverage. Start applications at mid-bloom and repeat at 7 to 10 day intervals as required. Do not apply within 30 days of harvest.

GRAPES—(California only)—Bunch rot, deadarm and early season downy mildew—(for early season use only). Use DITHANE M-45 FLOWABLE at 1.3 to 3.4 qts. per acre (depending on size and density of vines) in sufficient water to provide thorough coverage. Start applications when new shoots are 1/2 to 1 1/2 inches long. Repeat when shoots are 3 to 5 inches long, when shoots are 8 to 10 inches long, and at 10 to 14 day intervals until fruit is set. Do not apply DITHANE M-45 FLOWABLE after fruit is set. After fruit is set the use of other approved and recommended fungicides is suggested for continued control of deadarm and downy mildew.

GRAPES—(other areas)—Black rot, deadarm and downy mildew. Use DITHANE M-45 FLOWABLE at 1.3 to 3.4 qts. per acre (depending on size and density of vines) in sufficient water to provide thorough coverage. Start applications when new shoots are 1/2 to 1 1/2 inches long. Repeat when shoots are 3 to 5 inches long, when shoots are 8 to 10 inches long and continue at 10 to 14 day intervals but do not apply DITHANE M-45 FLOWABLE within 66 days of harvest. For late season control of black rot, deadarm and downy mildew the use of other approved and recommended fungicides is suggested.

PAPAYA—Anthracnose, Phytophthora fruit rot. Use DITHANE M-45 FLOWABLE at 1.7 to 2.1 qts. per acre in 20 to 100 gallons of water per acre. Start applications at flowering and continue at a 14 day interval for routine prevention and weekly for epidemic conditions. Direct spray to crown and blossom area. Add TRITON B-1956 spreader-sticker at 6 to 8 ounces per acre.

FIELD CROPS

BARLEY, OATS, RYE, WHEAT—Helminthosporium leaf blight and Septoria leaf spot. Use DITHANE M-45 FLOWABLE at 1.7 qts. per acre in sufficient water for adequate coverage. Either ground or aerial application may be used. Start applications when plants are in the tillering to jointing stage and repeat at 7 to 10 day intervals. Do not make more than three applications during the season and do not apply within 26 days of harvest. Do not graze livestock in treated areas within 26 days after application.

CORN (field, hybrid seed production)—Helminthosporium leaf blight. Use DITHANE M-45 FLOWABLE at 1.3 qts. per acre in sufficient water for thorough coverage. When using ground equipment a minimum of 25 gallons of water per acre is suggested. For aerial application use 1.3 qts. of DITHANE M-45 FLOWABLE in 6 gallons of water per acre. Start applications when disease symptoms first appear and depending on severity of infection continue on a 4 to 14 day schedule. Treated corn and corn plants may be used as fodder, stover, grain, or forage to livestock. Do not apply within 40 days of harvest.

COTTON—Rust (Southwest only). Use DITHANE M-45 FLOWABLE at 1 to 1.7 qts. per acre in sufficient water for thorough coverage. Start applications when rust first appears in the area and repeat at 10 to 14 day intervals until the rust threat is past (usually 3 or 4 applications will be required). Do not apply after bolls are open. Do not graze livestock in treated areas or feed gin trash to livestock.

PEANUTS—Cercospora leaf spot and rust. Use DITHANE M-45 FLOWABLE at 0.8 to 1.7 qts. per acre in sufficient water for thorough coverage. Start applications when disease first appears and repeat at 10 to 14 day intervals. Reduce to a 7 day interval during humid weather. Do not apply within 14 days of harvest. Do not feed treated vines to livestock.

Benomyl fungicide plus DITHANE M-45 FLOWABLE fungicide (tank-mix) for control of Cercospora leaf spot and rust. Apply with ground or aerial equipment at the rate of 1.3 qts. DITHANE M-45 FLOWABLE plus ¼ lb. benomyl (50%) per acre in sufficient water to obtain thorough coverage of the plants (20 to 100 gallons by ground equipment; 5 to 10 gallons for aircraft).

Begin application 35 to 40 days after planting or when disease symptoms first appear for rust, repeat at 7 to 10 day intervals; for Cercospora leaf spot, repeat at 10 to 14 day intervals. Use the shorter interval under severe disease. Do not apply within 14 days of harvest; do not graze or feed treated vines, hay, or hulls to livestock.

Add the required amount of DITHANE M-45 FLOWABLE and benomyl to a partially filled spray tank agitated by hydraulic or mechanical means; continuous agitation is required to keep the material in suspension. Non-phytotoxic emulsifiable oil (60 to 70 second viscosity range) may be added to the spray mixture at the rate of 1 pint to 1 gallon per acre to improve dispersion of spray and coverage of plant foliage.

IMPORTANT: Before using DITHANE M-45 FLOWABLE and benomyl fungicides, read and carefully observe the cautionary statements and all other information appearing on product labels.

SUGAR BEETS—Cercospora leaf spot. Use DITHANE M-45 FLOWABLE at 1.3 to 1.7 qts. per acre in 75 to 125 gallons of water. Start applications when disease first threatens and repeat every 7 to 10 days as needed. Do not apply within 14 days of harvest. Do not feed treated tops to livestock.

SEED TREATMENT

Seeds to be treated should be cleaned and well cured prior to treatment with DITHANE M-45 FLOWABLE.

For seed treatment a dye must be added to DITHANE M-45 FLOWABLE which will impart an unnatural color to the seed. Treated seed should be labeled and must not be used for food, feed, or oil purposes.

COTTON SEED TREATMENT—As an aid in establishing good stands by reducing losses caused by damping off organisms and many seedling blights, use DITHANE M-45 FLOWABLE at 5.1 fluid oz. per 100 pounds of cotton seed (acid delinted) or 10.1 fluid oz. per 100 pounds of cotton seed (reginned). Application should be made with conventional dry or slurry treating equipment. The seed must be completely and uniformly covered with fungicide. Do not use treated seed for food or feed or oil purposes.

RICE SEED TREATMENT—For the control of Achlya and certain other soil and seed borne fungi causing seed rot and reduced seedling vigor. Use 3.4 to 6.7 fl. oz. DITHANE M-45 FLOWABLE per 100 lbs. of dry rice seed (2.1 to 4.2 qts. per ton of seed) and apply before, during or after soaking in water. DITHANE M-45 FLOWABLE may be applied to dry seed with conventional slurry seed treating equipment. The seed must be completely and uniformly covered with DITHANE M-45 FLOWABLE. Do not use treated seed for food or feed purposes.

SAFFLOWER SEED TREATMENT—For control of seed borne Puccinia carthami Cda, which causes foot-and-root disease as well as foliage rust disease use 3.4 fl. oz. of DITHANE M-45 FLOWABLE per 100 pounds of safflower seed. Application should be

made with conventional slurry equipment. The seed must be completely and uniformly covered with fungicide. Do not use treated seed for food or feed or oil purposes.

DITHANE M-45 FLOWABLE is recommended at the rates listed for seed treating as an aid in establishing good stands by reducing losses caused by damping-off organisms and many seedling blights.

SEED TREATMENT RATE

	Fluid Ounces/Bushel	Fluid Ounces/100 lbs.
Barley	2.2	4.5
Corn (field)	2.5	4.5
Flax	3.4	6.1
Oats	2.2	6.7
Peanuts (shelled)	—	—
Rye	2.2	4.0
Sorghum	2.5	5.1
Tomatoes	—	13.5
Wheat	2.2	3.7

DITHANE M-45 FLOWABLE may be applied to dry seed with conventional slurry seed treating equipment. The seed must be completely and uniformly covered with fungicide.

NOTE: Do not use treated seed for food or feed or oil purposes.

MISCELLANEOUS USES

ASPARAGUS CROWN—For control of crown rot in planting stock. Use 8 qts. DITHANE M-45 FLOWABLE in 100 gallons of water to prepare a dipping suspension. Place crowns loosely packed into a burlap bag and soak with gentle agitation for 5 minutes. Remove bag, drain well and plant crowns as soon as possible. A dipping tank large enough to hold a single burlap bag will treat 2 bags of crowns. Clean dipping suspension should then be prepared in a clean tank. It is suggested that dirty crowns be given a pre-wash to remove excess soil.

CAPRIFIG—For control of endosepsis (Fusarium fungus) and mold. Prepare by cutting open then submerge for a minimum of 15 minutes in a suspension of DITHANE M-45 FLOWABLE. Use 0.8 qts. DITHANE M-45 FLOWABLE in 25 gallons of water (3.4 fl. oz. in one gallon). The suspension should be stirred frequently to prevent settling out. Fresh dipping solution should be used after dipping 4 or 5 batches of capris. After treatment figs should be drained prior to placement in trees.

CONIFEROUS CHRISTMAS TREES—For control of foliage diseases incited by Lophodermium fungi. In nursery plantings and newly transplanted stock use DITHANE M-45 FLOWABLE at a rate of 3.4 qts. of product per 100 gallons of water at 2 to 3 week intervals during the period of sprinkler irrigation and at monthly intervals during the rest of the year when the beds are not covered with snow. The addition of a suitable spreader-sticker is suggested.

PINEAPPLE PROPAGATION STOCK—Preplant Dip—For control of Phytophthora heart rot in planting material use 2.7 qts. DITHANE M-45 FLOWABLE in 40 gallons of water. Up to 100 gallons of dipping suspension should be used for the treatment of planting material for one acre depending upon the size and cleanliness of plant stock. Dip planting material in the DITHANE M-45 FLOWABLE suspension prior to planting. The suspension should be stirred frequently to prevent settling out. A new suspension solution should be prepared at least when two-thirds of the volume has been used or sooner if soil from plant material has noticeably caused the dipping suspension to discolor.

NOTE: DITHANE M-45 FLOWABLE may be used without a spreader-sticker if necessary to improve the spray coverage on foliage difficult to wet and to smooth out spray deposits on maturing fruit. TRITON® B-1956* is recommended. Other suitable pesticide spreader-stickers may also be used, except in situations where TRITON B-1956 is recommended as the only acceptable spreader-sticker.

STORAGE AND DISPOSAL

PROHIBITIONS AND RECOMMENDATIONS: Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited. Do not reuse empty container.

Keep away from fires and sparks. Store in a cool place, but not below 32°F. Do not allow to become overheated in storage. This may bring on chemical changes which will impair the fungicidal effectiveness of DITHANE M-45 FLOWABLE. Keep container closed when not in use.

PESTICIDE DISPOSAL: Pesticide, spray mixture or rinsate that cannot be used or chemically reprocessed should be disposed of in a landfill approved for pesticides or buried in a safe place away from water supplies.

CONTAINER DISPOSAL: Triple rinse (or equivalent) and dispose in an incinerator or landfill approved for pesticide containers, or bury in a safe place.

GENERAL: Consult Federal, State or local disposal authorities for approved alternative procedures such as limited open burning.