

DIRECTIONS FOR USE AS A SPRAY

All Recommendations Based on 100 Gallons of Spray Except as Noted.

POTATOES: Early and late blights - 1.2 to 1.6 quarts. Begin when plants are 2 to 6 inches high. Repeat at 5 to 10 day intervals - more often under severe late blight conditions.

POTATOES (Seed Pieces): Fusarium seed piece decay - 1.0 quart/10 gallons. Dip whole or cut tubers. Spread in one layer & held before planting. Seed Piece treatment only. Do not use excess seed pieces for food or feed.

SUGAR BEETS: Leaf spot (cercospora) - 1.2 to 2.4 quarts in sufficient water/acre. Begin when disease threatens. Repeat at 7 to 10 day intervals for 3 to 5 applications. Do not apply within 14 days of harvest. Do not feed treated tops to livestock.

BEANS (Limbo): Downy mildew, anthracnose - 1.2 to 1.6 quarts. Begin at first sign of disease. Repeat at 4 to 7 day intervals. Do not apply within 4 days of harvest of succulent beans.

BEANS (Snap or String): Anthracnose, downy mildew - 1.2 to 1.6 quarts. Begin when plants are small. Repeat at 5 to 7 day intervals. Do not apply within 4 days of harvest of succulent beans.

APPLES: Black rot, bitter rot, botryosphacria (white rot), bullseye rot, cedar-apple rust, flyspeck, scab, and sooty blotch - 1.2 to 1.6 quarts plus suitable spreader-sticker. Begin in prebloom, calyx, or first cover stage. Repeat at 7 to 14 day intervals as necessary. Do not graze livestock in treated areas. Do not apply within 15 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 other states.

ALMONDS: Brown rot blossom and twig blight, leaf blight, scab - 1.2 to 1.6 quarts. Apply in popcorn, full bloom, and petal fall or every 7 to 10 days if bloom is staggered.

Shothole - 1.2 to 1.6 quarts. Begin in dormant stage. Repeat at 7 to 10 day intervals through petal fall. If applied after petal fall, do not feed hulls to dairy animals or animals being finished for slaughter. Do not apply later than 5 week after petal fall.

APRICOTS: Brown rot (blossom, twig and fruit) - 1.2 to 1.6 quarts. Begin at red bud stage. Repeat in early bloom, full bloom, petal fall, and at 7 to 14 day intervals as necessary up to 2 weeks before harvest.

Jacket rot (green rot) - 1.6 quarts at full bloom and petal fall.

Shothole - 1.6 quarts from dormant through petal fall stages in regular schedule. Do not apply later than 14 days before harvest.

BANANAS: Sigatoka (cercospora musae) - 2.4 to 4.0 quarts/acre in sufficient water to cover. Apply at 2 week intervals beginning at first sign of disease.

CRANBERRIES: Fruit rots (Massachusetts) - 1.6 to 2.4 quarts. Begin at midbloom. Repeat at 10 to 14 day intervals for 3 applications.

Twig blight (lophodermium), fruit rots (Washington and Oregon) - 1.6 quarts. Apply 350.0 gallons per acre. Begin after first blooming. Repeat between July 10 and 20, August 1 and 10, and August 10 and 25.

Fruit rots (guignardia, spononema, and glomerella) (New Jersey and Wisconsin) - 1.6 quarts. Begin after midbloom. Repeat 10 to 14 days later, 4 weeks after midbloom, and 2 to 3 weeks later. Do not apply within 30 days of harvest.

FIGS (Kadota): Surface molds and rot (alternaria, clad sporium species) - 0.6 quart. Make one application 10 to 20 days before harvest. Do not apply within 10 days of harvest.

GRAPES: Black rot (Great Lakes area) - 1.2 to 1.6 quarts. Begin just before bloom. Repeat just after bloom and again 10 days later; do not apply later than 10 days after bloom. Or, use 1.4 quarts in sufficient water/acre. Apply as necessary; do not apply within 7 days of harvest.

NECTARINES AND PEACHES: Brown rot, shothole - 1.2 to 1.6 quarts. Begin at red bud. Repeat in early bloom, full bloom, petal fall, and at 7 to 14 day intervals up to 14 days before harvest. Do not apply within 14 days of harvest.

Peach leaf curl - 1.2 to 1.6 quarts. Apply in spring dormant period. Do not apply within 2 days of harvest. If applied within 14 days of harvest, remove residues by brushing.

ASPARAGUS: Rust - 2.4 quarts/50 to 200 gallons/acre. Begin in established fields immediately after harvest. Repeat at 10 day intervals as long as necessary. In young fields which will not be harvest, begin when disease appears and repeat at 10 day intervals. Post-harvest application only on established fields.

BROCCOLI: Alternaria leaf spot, downy mildew - 1.2 to 1.6 quarts. Begin when diseases threaten. For downy mildew begin in plant bed and repeat at 3 day intervals. In field, repeat at 7 to 14 day intervals. If applied within 3 days of harvest, remove residues by washing or trimming.

BRUSSELS SPROUTS, CAULIFLOWER, AND KOHLRABI: Alternaria leaf spot, downy mildew - 1.2 quarts. Begin when diseases threaten. Repeat at 3 day intervals in plant beds and at 7 to 10 day intervals in field.

PAPAYAS: Anthracnose (colletotricum), black spot (cercospora) - 1.6 to 2.4 quarts in sufficient water to cover (not less than 50.0 gallons) per acre. Add 4.0 ounces of spreader sticker/100 gallons of spray suspension. Begin when fruit is set. Repeat at 10 to 14 day intervals during winter and early spring and every 7 days during wet weather. Direct spray to central column of tree to cover developing fruit.

CABBAGE: Alternaria leaf spot, downy mildew - 1.2 to 1.6 quarts. Begin 7 to 10 days after planting. Repeat at 3 to 5 day intervals in plant bed and field. Do not apply within 7 days of harvest.

MELONS: Anthracnose, cercospora leaf spot, downy mildew, gummy stem blight - 1.2 to 1.6 quarts. Begin at late bunching when vines begin to run or when disease first appears. Repeat at 7 to 10 day intervals. Do not apply within 5 days of harvest.

MORGAN

MANBLIGHT

MANEB FLOWABLE

PRODUCT
NO. 104

EPA No. 11544-13

INGREDIENTS

ACTIVE INGREDIENT	
Maneb (manganese ethylenebisdithiocarbamate)	44.6%
INERT INGREDIENTS	
	55.4%
	100.0%

This product contains 4 pounds maneb per gallon
(Total manganese as net lb. 1.76)

NET
CONTENTS
5 gallon



PRODUCT INFORMATION

ManBlight, a liquid suspension of Maneb, is a new concept in fungicides. Particle size is much smaller than wettable powders plus it has wetting and sticking agents. These factors give superior fungus control over wettable powders.

CAUTION: Keep Out of Reach of Children

CAUTION: May cause irritation of eyes, nose, throat and skin. Avoid breathing spray mist. Avoid contact with eyes, skin or clothing. In case of contact, flush with plenty of water. For eyes, get medical attention.

CAUTION: This product is toxic to fish. Keep out of lakes, streams, or ponds. Do not apply where runoff is likely to occur. Do not apply when weather conditions favor drift from areas treated. Do not contaminate water by cleaning of equipment, or disposal of wastes. Dispose of excess treated seeds or waste by burial. Apply this product only as specified on this label. **DO NOT REUSE CONTAINER - DESTROY WHEN EMPTY**

DIRECTIONS FOR USE AS A SPRAY

All Recommendations Based on 100 Gallons of Spray Except as Noted

APPLES - Apply to foliage and fruit. For control of apple scab, apply at 10-14 day intervals from bloom to late July. For control of powdery mildew, apply at 10-14 day intervals from bloom to late July. For control of fire blight, apply at 10-14 day intervals from bloom to late July.

APRICOTS - Apply to foliage and fruit. For control of brown rot, apply at 10-14 day intervals from bloom to late July. For control of powdery mildew, apply at 10-14 day intervals from bloom to late July.

BANANAS - Apply to foliage and fruit. For control of Panama disease, apply at 10-14 day intervals from bloom to late July. For control of powdery mildew, apply at 10-14 day intervals from bloom to late July.

CRANBERRIES - Apply to foliage and fruit. For control of anthracnose, apply at 10-14 day intervals from bloom to late July. For control of powdery mildew, apply at 10-14 day intervals from bloom to late July.

EGGS (Kadota) - Apply to foliage and fruit. For control of anthracnose, apply at 10-14 day intervals from bloom to late July. For control of powdery mildew, apply at 10-14 day intervals from bloom to late July.

GRAPES - Apply to foliage and fruit. For control of downy mildew, apply at 10-14 day intervals from bloom to late July. For control of powdery mildew, apply at 10-14 day intervals from bloom to late July.

NECTARINES AND PEACHES - Apply to foliage and fruit. For control of brown rot, apply at 10-14 day intervals from bloom to late July. For control of powdery mildew, apply at 10-14 day intervals from bloom to late July.

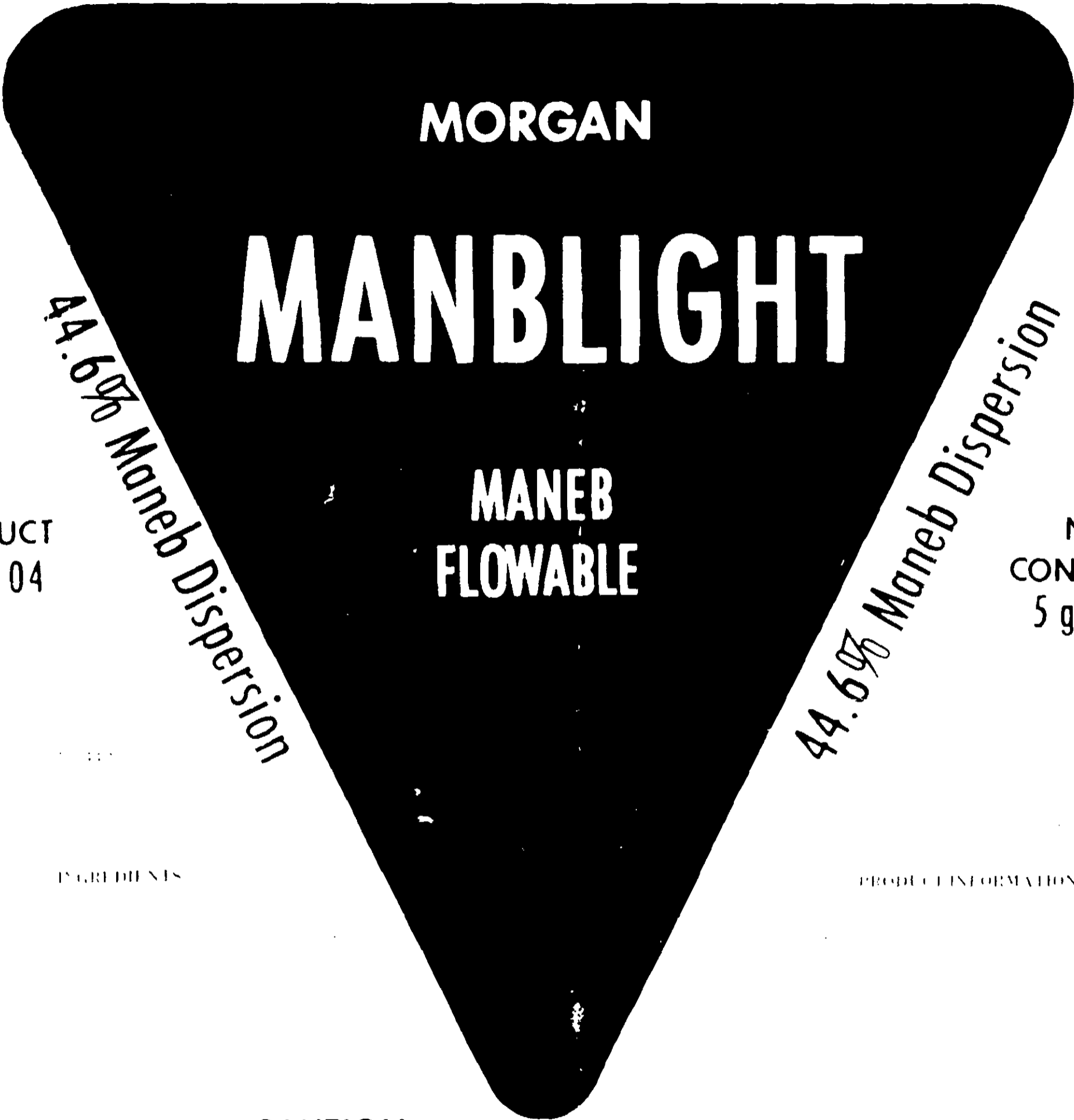
ASPARAGUS - Apply to foliage and fruit. For control of anthracnose, apply at 10-14 day intervals from bloom to late July. For control of powdery mildew, apply at 10-14 day intervals from bloom to late July.

BROCCOLI - Apply to foliage and fruit. For control of anthracnose, apply at 10-14 day intervals from bloom to late July. For control of powdery mildew, apply at 10-14 day intervals from bloom to late July.

BROCCOLI, SPINACH, CAULIFLOWER AND KOHLRABI - Apply to foliage and fruit. For control of anthracnose, apply at 10-14 day intervals from bloom to late July. For control of powdery mildew, apply at 10-14 day intervals from bloom to late July.

CUCUMBER - Apply to foliage and fruit. For control of anthracnose, apply at 10-14 day intervals from bloom to late July. For control of powdery mildew, apply at 10-14 day intervals from bloom to late July.

MELONS - Apply to foliage and fruit. For control of anthracnose, apply at 10-14 day intervals from bloom to late July. For control of powdery mildew, apply at 10-14 day intervals from bloom to late July.



PRODUCT NO. 104

MANEB FLOWABLE

NET CONTENTS 5 gallon

INGREDIENTS

PRODUCT INFORMATION

CAUTION: Keep Out of Reach of Children

CAUTION

CAUTION

DO NOT REUSE CONTAINER. DESTROY WHEN EMPTY

MORGAN

MANBLIGHT

MANEB
FLOWABLE

44.6% Maneb Dispersion

44.6% Maneb Dispersion

PRODUCT
NO. 104

NET
CONTENTS
5 gallon

EPA No. 11544-13

INGREDIENTS

ACTIVE INGREDIENT
Maneb (manganese ethylenebisdithiocarbamate) . . . 44.6%

INERT INGREDIENTS 55.4%

100.0%

This product contains 4 pounds maneb per gallon
(Total manganese as metallic 7.6%)

PRODUCT INFORMATION

ManBlight, a liquid suspension of Maneb, is a new concept in fungicides. Particle size is much smaller than wettable powders plus it has wetting and sticking agents. These factors give superior fungus control over wettable powders.

CAUTION: Keep Out of Reach of Children

CAUTION: May cause irritation of eyes, nose, throat and skin. Avoid breathing spray mist. Avoid contact with eyes, skin or clothing. In case of contact, flush with plenty of water. For eyes, get medical attention.

CAUTION: This product is toxic to fish. Keep out of lakes, streams, or ponds. Do not apply where runoff is likely to occur. Do not apply when weather conditions favor drift from areas treated. Do not contaminate water by cleaning of equipment, or disposal of wastes. Dispose of excess treated seeds or waste by burial. Apply this product only as specified on this label. **DO NOT REUSE CONTAINER - DESTROY WHEN EMPTY**

CARROTS: *Alternaria* and *cercospora* leaf spots - 1.2 to 1.6 quarts. Begin when plants are 6 weeks old. Repeat at 7 to 10 day intervals.

CELERY: Early blight (*cercospora*), late blight (*septoria*) - 1.2 to 1.6 quarts. Begin when plants emerge in plant beds. Repeat at 3 to 5 day intervals in plant beds and at 7 to 10 day intervals after plants are set in field. Remove excess residues by stripping, trimming, and washing. Do not apply within 14 days of harvest.

CORN (Sweet): *Helminthosporium* blight - 1.2 quarts. Begin when plants are 6 inches high. Repeat at 4 to 7 day intervals until harvest. Do not feed treated forage to livestock.

CUCUMBERS: *Alternaria* (*macrosporium*) leaf spot, angular leaf spot, anthracnose, downy mildew, pythium fruit rot - 1.2 to 1.6 quarts. Begin when diseases threaten or plants begin to run. Repeat at 7 to 10 day intervals or at 3 to 5 day intervals under severe disease conditions. Do not apply within 5 days of harvest.

EGGPLANT: Anthracnose, early blight (*alternaria*), *phomopsis* blight or fruit rot - 1.2 to 1.6 quarts. Begin when fruit starts to form. Repeat at 7 to 10 day intervals.

ENDIVE, LETTUCE: Downy mildew - 1.2 to 1.6 quarts. Begin when disease appears. Repeat at 7 to 10 day intervals. Do not apply within 10 days of harvest. Remove residues from head lettuce by stripping and trimming, and from leaf lettuce and endive by washing or other effective means.

ONIONS: *Botrytis* leaf blight (blast), downy mildew, purple blotch - 1.2 to 1.6 quarts. Begin at first sign of disease. Repeat at 7 to 10 day intervals.

PEPPERS: Anthracnose, *cercospora* leaf spot (frog eye spot), ripe rot - 1.2 to 1.6 quarts. Begin when disease threatens. Repeat at 7 to 10 day intervals.

PUMPKINS: Angular leaf spot, downy mildew - 2.4 quarts/acre in sufficient water to cover or 1.2 to 1.6 quarts/100 gallons. Begin when disease threatens. Repeat at 7 to 10 day intervals.

RHUBARB (Greenhouse, Michigan): *Botrytis* leaf rot - 1.6 quarts. Begin 4 weeks before harvest. Make 4 applications at 7 day intervals.

SPINACH: Downy mildew (blue mold), white rust - 1.2 to 1.6 quarts. Begin when plants start to show signs of disease. Repeat at 7 to 10 day intervals. Do not apply within 10 days of harvest. Remove excess residues by washing.

SQUASH (Summer and winter): Anthracnose, downy mildew - 1.2 to 1.6 quarts. Begin when plants start to run. Repeat at 7 to 10 day intervals. Do not apply within 5 days of harvest.

TOMATOES (Greenhouse and Field): *Cladosporium* leaf mold, early and late blights, gray leaf spot (*stemphylium*), *septoria* leaf spot - 1.2 to 1.6 quarts. Begin at first fruit cluster and repeat at 7 to 10 day intervals. Anthracnose - 2.4 quarts. Begin when first fruit forms. Repeat at 7 to 10 day intervals. Do not apply within 5 days of harvest.

GRASSES (Ornamental-Grown for Replanting, Seed Purposes Only): Leaf, stem, and stripe rust - 1.6 to 2.4 quarts/50 to 100 gallons per acre. Begin when rust pustules are first seen. Repeat at 7 to 14 day intervals. Do not feed treated grass to livestock.

GRASSES (Nongrazed Areas): Brown patch - 4.8 fluid ounces in sufficient water/1000 square feet. Begin at first sign of disease. Repeat at 7 to 14 day intervals.

Dollar Spot - 1.6 to 2.4 quarts in sufficient water/acre. Apply as for brown patch, above.

Melting-Out - 3.2 to 12.8 quarts in sufficient water/acre. Apply as for brown patch, above.

Leaf, stem and stripe rusts - 2.4 quarts/100 gallons/acre. Begin when rust pustules are first seen. Repeat at 7 to 14 day intervals. Do not graze treated areas. Do not feed clippings to livestock.

TOBACCO: Blue mold - 0.4 to 3.2 quarts. Use 2.5 to 5.0 gallons of diluted suspension/100 square yards of plant bed. Begin when plants are about the size of a dime or when blue mold is first reported in area. Repeat twice weekly until plants are set in field. Use lower rates in early applications increasing to 3.2 quarts as plants increase in size.

CARNATIONS: *Alternaria* leaf spot, anthracnose, *botrytis* blight - 0.8 to 1.2 quarts. Begin when new growth starts. Repeat weekly.

DAHLIAS: See under Carnations.

DOGWOOD: Anthracnose - 0.8 to 1.2 quarts. Begin when buds open. Repeat when bracts fall 4 weeks later and in late summer.

GLADIOLUS: *Botrytis* blight, *curvularia* and *stemphyllum* leaf spots - 1.2 quarts. Begin when flower spikes are developing. Repeat 2 to 3 times at weekly intervals.

LILIES: *Botrytis* blight - 0.8 to 1.2 quarts. Begin with new growth. Repeat weekly.

PEONIES: *Alternaria* leaf spot, *botrytis* blight, *phytophthora* blight - 0.8 to 1.2 quarts. Apply to foliage and soil in early spring and early fall.

PANSIES: Anthracnose - 0.8 to 1.2 quarts. Begin with new growth. Repeat weekly.

ROSES: Black spot, *cercospora* leaf spot (Texas), rust (California) - 0.8 to 1.2 quarts. Begin when first leaves unfold. Repeat at 7 to 10 day intervals.

SNAPDRAGONS: Rust - 0.8 to 1.2 quarts. Begin with emergence. Repeat weekly.

ZINNIAS: *Alternaria* leaf spot, leaf blights - 0.8 to 1.2 quarts. Begin with emergence. Repeat weekly.



April 5, 1974
154413