

DIRECTIONS

GENERAL INFORMATION: Maneb Fungicide may be used as a spray or dust for the control of many important plant diseases. Maneb has good adhesive properties on plants, high fungicidal efficiency and is easy to use. It is particularly effective against many of the fungus diseases of certain vegetable, fruit and ornamental crops.

IMPORTANT: Never allow Maneb to become wet during storage. This may lead to certain chemical changes which will reduce its effectiveness as a fungicide and create vapors which may be flammable. Keep container closed when not in use.

SPRAYS: Use this product at a rate of 1½ lbs. per 100 gals. of spray, unless otherwise stated. In case of severe disease outbreaks or when weather conditions favor disease, use 2 lbs. per 100 gals. of spray and shorten interval between applications. Where directed, add Plyac® Spreader-Sticker at rate of 2 to 4 fl. oz. per 100 gals. spray. Wash required amount of product through the filler screen while tank is filling with water.

DUSTS: Maneb may be used at concentrations of 6 to 8% (4.8 to 6.4% active) unless otherwise stated, by diluting and thoroughly mixing with pyrophyllite or some other neutral diluent. Use dust mixtures as soon as possible after preparation. Commonly used insecticides may displace an equivalent amount of diluent in preparing the dust mixtures.

TOMATOES: Early blight, late blight, Septoria leaf spot, gray leaf spot (Stemphylium) and anthracnose—Apply when fruit of first clusters is well formed; repeat at 7 to 10-day intervals. (Do not use on young seedlings in greenhouses as injury may occur.) When weather conditions favor disease, more frequent applications may be necessary starting when plants are set in fields. Tomato plants treated with Maneb tend to develop heavy foliage and spray gallonage should be increased accordingly to assure complete coverage. In areas where anthracnose is a serious problem on canning tomatoes, apply 3 lbs. this product per acre.

POTATOES: Early and late blights—Use 1 to 2 lbs. per acre. Apply as soon as plants are 2 to 6 inches high; repeat at 5 to 10-day intervals as long as blights threaten. Under severe disease conditions, use the shorter interval or the higher dosage.

APPLES: Scab, cedar apple rust, black rot (fruit and foliage), fly speck, sooty blotch, bitter rot, and white rot (Botryosphaeria)—Use 1 to 1½ lbs. per 100 gals. in pre-bloom, calyx, early and late cover sprays. Add Plyac® Spreader-Sticker. For scab, reduce to ¾ lb. in late cover sprays. For cedar apple rust, include a special bloom spray of ½ lb. Apply as a full-coverage spray, thoroughly wetting all plant surfaces including undersides of leaves. Keep foliage and fruit covered during infection periods.

CABBAGE: Alternaria leaf spot and downy mildew—Use 1½ lbs. per 100 gals. and apply up to 150 gals. per acre. Add Plyac® Spreader-Sticker. As a dust, use up to 40 lbs. per acre. Plant beds and direct seeded fields—Apply 7 to 10 days after planting, or earlier if disease is present. Repeat at 3-day intervals until plants are set in the field or until field-seeded plants are thinned. Fields—Apply when the disease threatens; repeat weekly as needed. Shorten interval to 3 to 5 days under severe conditions. Do not apply later than 7 days before harvest.

CELERY: Early blight (Cercospora) and late blight (Septoria)—Apply when plants are established in the field; repeat as frequently as required (weekly under average conditions; every 3 to 5 days under severe disease conditions). Remove residues by stripping, trimming and washing.

CARROTS: Leaf spot diseases—Apply when plants are 6 weeks old (or when disease threatens); repeat every 7 to 10 days.

WATERMELONS: Downy mildew, anthracnose, Cercospora leaf spot and gummy stem blight; CUCUMBERS: Downy mildew, anthracnose (also Pythium fruit rot in South Carolina)—Apply as soon as plants begin to run or when disease threatens; repeat at 7 to 10-day intervals as needed. Under severe conditions, shorten intervals to 3 to 5 days.

CANTALOUPE and SQUASH (In Texas): Downy mildew—Apply as soon as plants begin to run or when disease threatens; repeat at 7 to 10-day intervals as needed.

ARCADIAN®

NET WEIGHT 50 POUNDS

MANEB

WETTABLE POWDER FUNGICIDE

CAUTION: Keep out of reach of children

MAY IRRITATE EYES, NOSE, THROAT, AND SKIN.

MAY BE HARMFUL IF INHALED OR SWALLOWED.

Avoid breathing dust or spray mist.

Avoid contact with skin, eyes, and clothing.

Keep away from fire or sparks.

In case of contact, flush skin or eyes with plenty of water; for eyes, get medical attention.

ACTIVE INGREDIENT:

Maneb (Manganese ethylenedisithiocarbamate) 80.0%
(Manganese equivalent as metallic 16.5%)

INERT INGREDIENTS

..... 20.0%

U.S. Pats. 2,504,404—2,710,822

USDA Reg. No. 218-613



Sold by
ALLIED CHEMICAL CORPORATION
DEPARTMENT AG
40 RECTOR STREET NEW YORK, N.Y., U.S.A.

LETTUCE and ENDIVE: Downy mildew, anthracnose, Cercospora leaf spot, and downy mildew. Apply when conditions are severe and trimming, and

LIMA BEANS: Downy mildew during early bloom later than 4 days before harvest.

ONIONS: Downy mildew repeat weekly as needed.

SPINACH: Downy mildew 10-day intervals. Do not use on seedlings.

SUGAR BEETS: Cercospora leaf spot. As a dust, repeat at 7 to 10-day intervals to livestock.

PEANUTS: Cercospora leaf spot for subsequent applications. Maneb (3.2 to 4.0% active) spot first appears on treated peanut hay.

ALMONDS (In California): Cercospora leaf spot (6 to 8 lbs. per acre present). Add Plyac® Spreader-Sticker.

PEACHES (Pacific States): Cercospora leaf spot dormant and popcorm. Pacific Northwest (California only), apply on green fruit to nectarines later by brushing; do not use on seedlings.

APRICOTS (In California): Cercospora leaf spot Green or Jacket rot.

GRAPES (In Great Lakes): Downy mildew, anthracnose, and Botrytis bunch rot.

ROSES: Cercospora leaf spot repeat weekly as needed.

COMPATIBILITY: Maneb is an organophosphorus compound. This product is toxic to fish and aquatic life.

Follow directions on container. Do not mix with other chemicals not specified. For control of the seller, use with directions given on container.

ARGADIAN

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MANEB

WETTABLE POWDER FUNGICIDE

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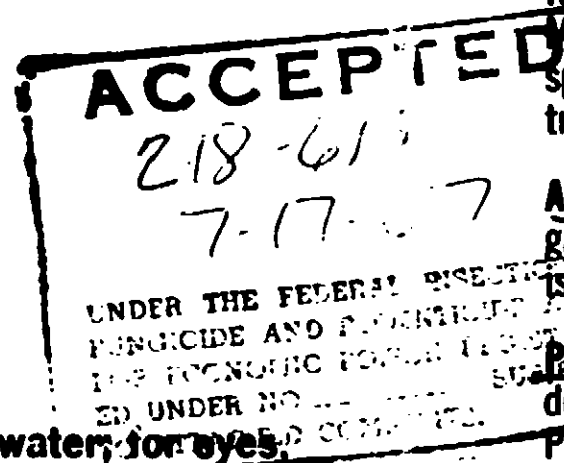
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ACTIVE INGREDIENT:

Maneb (Manganese ethylenebisdithiocarbamate) 80.0%
(Manganese equivalent as metallic) 16.5%)

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ALLIED CHEMICAL CORPORATION
DEPARTMENT AG
40 RECTOR STREET NEW YORK, N.Y., U.S.A.

MADE IN U.S.A.

9:62
ZM1:05A

PRINTED IN U.S.A.

and trimming, and from leaf lettuce and endive by washing or other effective means.

LIMA BEANS: Downy mildew and anthracnose — Use up to 200 gals. spray or 30 lbs. dust per acre. Start applications during early blooming stage, or when disease first appears; repeat at 4 to 7-day intervals as needed. Do not apply later than 4 days before any picking.

ONIONS: Downy mildew, purple blotch (blight) and blast (Botrytis leaf blight) — Apply when first spots appear; repeat weekly as needed. Add Plyac® Spreader-Sticker.

SPINACH: Downy mildew (blue mold) and white rust — Apply when disease first appears in area; repeat at 7 to 10-day intervals. Do not apply later than 7 days before harvest. Remove residues by washing or other effective means.

SUGAR BEETS: Cercospora leaf spot — Use 1½ to 2 lbs. per acre in 75 to 125 gals. of water; add Plyac® Spreader-Sticker. As a dust, apply at the rate of 30 to 40 lbs. per acre. Apply when disease threatens (usually early July); repeat at 7 to 10-day intervals as needed. Do not apply later than 10 days before harvest. Do not feed treated tops to livestock.

PEANUTS: Cercospora leaf spot — Use 1 lb. per acre in 12 to 25 gals. water for first application (1½ lbs. per acre for subsequent applications); add Plyac® Spreader-Sticker. As a dust, use a prepared mixture containing 4 to 5% Maneb (3.2 to 4.0% active) and dusting sulfur; apply at the rate of 20 to 30 lbs. dust per acre. Apply when leaf spot first appears and repeat at 10 to 14-day intervals (7-day intervals during rainy, humid weather). Do not feed treated peanut hay to livestock.

ALMONDS (in California): Shot-hole (fungus) and brown rot (blossom and twig blight) — Use 1½ to 2 lbs. per 100 gals. (6 to 8 lbs. per acre) at the popcorn, full-bloom and petal-fall stages (omit petal-fall spray if only brown rot is present). Add Plyac® Spreader-Sticker.

PEACHES (Pacific States) and NECTARINES (California): Shot-hole fungus and peach leaf curl (California only), apply dormant and popcorn sprays. For brown rot blossom blight, apply at pink bud and 25% to 75% of full-bloom (in Pacific Northwest add a petal-fall spray). Use 1½ to 2 lbs. per 100 gals. (6 to 8 lbs. per acre). For fruit brown rot (California only), apply 2 lbs. per 100 gals. (about 10 lbs. per acre) 4 weeks before harvest, or earlier if rot is easily found on green fruit, and repeat at 7- to 14-day intervals as needed. Add Plyac® Spreader-Sticker. Do not apply to nectarines later than 14 days before harvest. If applied to peaches within 14 days of harvest, remove residues by brushing; do not apply later than 2 days before harvest.

APRICOTS (in California): Brown rot and shot-hole (fungus) — Use 2 lbs. at red bud, early bloom, and full-bloom. Green or Jacket rot — Use 2 lbs. at full-bloom and petal-fall.

GRAPES (in Great Lakes Area): Black rot — Spray just before bloom, just after bloom and 7 to 10 days later.

ROSES: Cercospora leaf spot (Texas), Rust (California), Black spot — Use 1½ lbs., spray when first leaves unfold; repeat weekly as needed. Add Plyac® Spreader-Sticker.

COMPATIBILITY: Maneb is compatible with common insecticides, such as methoxychlor, DDT, DDD (TDE), sulfur, organophosphorus compounds, calcium arsenate, rotenone and pyrethrum.

This product is toxic to fish. Keep out of lakes, ponds and streams. Do not apply to any area not specified on the label.

Follow directions carefully. Timing and method of application, weather and crop conditions, mixtures with other chemicals not specifically recommended, and other influencing factors in the use of this product are beyond the control of the seller. Buyer assumes all risks of use, storage or handling of this material not in strict accordance with directions given herewith.

DIRECTIONS

GENERAL INFORMATION: Maneb Fungicide may be used as a spray or dust for the control of many important plant diseases. Maneb has good adhesive properties on plants, high fungicidal efficiency and is easy to use. It is particularly effective against many of the fungus diseases of certain vegetable, fruit and ornamental crops.

IMPORTANT: Never allow Maneb to become wet during storage. This may lead to certain chemical changes which will reduce its effectiveness as a fungicide and create vapors which may be flammable. Keep container closed when not in use.

SPRAYS: Use this product at a rate of 1 1/2 lbs. per 100 gals. of spray, unless otherwise stated. In case of severe disease outbreaks or when weather conditions favor disease, use 2 lbs. per 100 gals. of spray and shorten interval between applications. Where directed, add Plyac[®] Spreader-Sticker at rate of 2 to 4 fl. oz. per 100 gals. spray. Wash required amount of product through the filler screen while tank is filling with water.

DUSTS: Maneb may be used at concentrations of 6 to 8% (4.8 to 6.4% active) unless otherwise stated, by diluting and thoroughly mixing with pyrophyllite or some other neutral diluent. Use dust mixtures as soon as possible after preparation. Commonly used insecticides may displace an equivalent amount of diluent in preparing the dust mixtures.

TOMATOES: Early blight, late blight, Septoria leaf spot, gray leaf spot (Stemphylium) and anthracnose — Apply when fruit of first clusters is well formed, repeat at 7 to 10-day intervals. Do not use on young seedlings in greenhouses as injury may occur. When weather conditions favor disease, more frequent applications may be necessary starting when plants are set in fields. Tomato plants treated with Maneb tend to develop heavy foliage and spray gallonage should be increased accordingly to assure complete coverage. In areas where anthracnose is a serious problem on ripening tomatoes, apply 3 lbs. this product per acre.

POTATOES: Early and late blights — Use 1 to 2 lbs. per acre. Apply as soon as plants are 2 to 6 inches high, repeat at 5 to 10-day intervals as long as blights threaten. Under severe disease conditions, use the shorter interval or the higher dosage.

APPLES: Scab, cedar apple rust, black rot, fruit and foliage, fly speck, sooty blotch, bitter rot, and white rot (Botryosphaeria) — Use 1 to 1 1/2 lbs. per 100 gals. in pre-bloom, calyx, early and late cover sprays. Add Plyac[®] Spreader-Sticker. For scab, reduce to 1/2 lb. in late cover sprays. For cedar apple rust, include a special bloom spray of 1/2 lb. Apply as a full coverage spray, thoroughly wetting all plant surfaces including undersides of leaves. Keep foliage and fruit covered during infection periods.

CABBAGE: Aternaria leaf spot and downy mildew — Use 1 1/2 lbs. per 100 gals. and apply up to 150 gals. per acre. Add Plyac[®] Spreader-Sticker. As a dust, use up to 40 lbs. per acre. Plant beds and direct seeded fields — Apply 7 to 10 days after planting, or earlier if disease is present. Repeat at 3-day intervals until plants are set in the field or until field seeded plants are thinned. For beds — Apply when the disease threatens, repeat weekly as needed. Shorter interval to 3 to 5 days under severe conditions. Do not apply later than 7 days before harvest.

CELERY: Early blight (Cercospora) and late blight (Septoria) — Apply when plants are established in the field, repeat as frequently as required, weekly under average conditions, every 3 to 5 days under severe disease conditions. Remove residues by stripping, trimming and burning.

CARROTS: Leaf spot disease — Apply when plants are 6 weeks old or when disease threatens, repeat every 7 to 10 days.

WATERMELONS: Downy mildew, anthracnose, Cercospora leaf spot and gummy stem blight. **CUCUMBERS:** Downy mildew, anthracnose, also Pythium fruit rot in South Carolina — Apply as soon as plants begin to run or when disease threatens, repeat at 7 to 10-day intervals as needed. Under severe conditions, shorten intervals to 3 to 5 days.

CANTALOUPES and SQUASH (In Texas): Downy mildew — Apply as soon as plants begin to run or when disease threatens, repeat at 7 to 10-day intervals as needed.

ARCADIAN[®]

NET WEIGHT 50 POUNDS

MANEB

WETTABLE POWDER FUNGICIDE

CAUTION: Keep out of reach of children

MAY IRRITATE EYES, NOSE, THROAT, AND SKIN.

MAY BE HARMFUL IF INHALED OR SWALLOWED.

Avoid breathing dust or spray mist.

Avoid contact with skin, eyes, and clothing.

Keep away from fire or sparks.

In case of contact, flush skin or eyes with plenty of water; for eyes, get medical attention.

ACTIVE INGREDIENT:

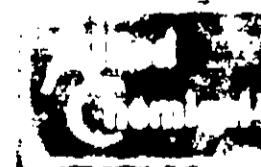
Maneb (Manganese ethylenebisdithiocarbamate)	80.0%
(Manganese equivalent as metallic)	16.5%

INERT INGREDIENTS

20.0%

U.S. PAT. 2,512,941; 2,229,801

U.S.D.A. REG. NO. 128,673



ALLIED CHEMICAL CORPORATION
DEPARTMENT 726

110 RECTOR STREET, NEW YORK, N.Y. 10038

MADE IN U.S.A.

9/62
7/61 U.S.A.

PRINTED IN U.S.A.

LETTUCE and ENDIVE: Downy mildew — As a spray, use 1 1/2 lbs. per acre. Apply when disease appears, repeat at 7 to 10-day intervals if conditions are severe. Do not apply later than 7 days before picking, and from leaf lettuce and endive by washing leaves.

LIMA BEANS: Downy mildew and anthracnose — Use up to 2 lbs. per acre during early blooming stage, or when disease first appears, repeat later than 4 days before any picking.

ONIONS: Downy mildew, purple blotch, blight and anthracnose — Repeat weekly as needed. Add Plyac[®] Spreader-Sticker.

SPINACH: Downy mildew (blue mold) and white rust — Repeat at 10-day intervals. Do not apply later than 7 days before harvest.

SUGAR BEETS: Cercospora leaf spot — Use 1 1/2 to 2 lbs. per acre. As a dust, apply at the rate of 10 to 40 lbs. per acre, repeat at 7 to 10-day intervals as needed. Do not apply to livestock.

PEANUTS: Cercospora leaf spot — Use 1 lb. per acre for subsequent applications; add Plyac[®] Spreader-Sticker. Maneb (3.2 to 4.0% active) and dusting sulfur; apply when spot first appears and repeat at 10 to 14-day intervals until treated peanut hay to livestock.

ALMONDS (In California): Shot-hole fungus, and brown rot — Use 1 1/2 to 2 lbs. per acre (6 to 8 lbs. per acre) at the popcorn, full bloom stage (if present). Add Plyac[®] Spreader-Sticker.

PEACHES (Pacific States) and NECTARINES (California): Dormant and popcorn sprays. For brown rot blossom blight (Pacific Northwest add a petal-fall spray). Use 1 1/2 to 2 lbs. per 100 gals. (about 10 lbs. per acre) found on green fruit, and repeat at 7 to 14-day intervals to nectarines later than 14 days before harvest. If a heavy infestation is present, do not apply later than 2 days before harvest.

APRICOTS (In California): Brown rot and shot hole (if present). Green or Jacket rot — Use 2 lbs. at full-bloom and post-harvest.

GRAPES (In Great Lakes Area): Black rot — Spray just before harvest.

ROSES: Cercospora leaf spot, Texas Rust (California) — Repeat weekly as needed. Add Plyac[®] Spreader-Sticker.

COMPATIBILITY: Maneb is compatible with common organophosphorus compounds, calcium arsenate, rotenone, and other chemicals. This product is toxic to fish. Keep out of lakes, ponds, streams, etc.

Follow directions carefully. Time and method of application is not specific; use manufacturer's label for other information. Payer assumes no liability for use with directions given herein.

ARCADIAN®

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MANEB

WETTABLE POWDER FUNGICIDE

CAUTION: Keep out of reach of children

MAY IRRITATE EYES, NOSE, THROAT, AND SKIN.

MAY BE HARMFUL IF INHALED OR SWALLOWED.

Avoid breathing dust or spray mist.

Avoid contact with skin, eyes, and clothing.

Keep away from fire or sparks.

In case of contact, flush skin or eyes with plenty of water; for eyes, get medical attention.

ACTIVE INGREDIENT:

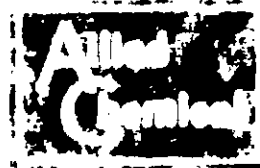
Maneb (Manganese ethylenebisdithiocarbamate)	80.0%
(Manganese equivalent as metallic)	16.5%

INERT INGREDIENTS

20.0%

U.S. Pat. 2,501,304; 2,716,222

USDA Reg. No. 213-613



ALLIED CHEMICAL CORPORATION
DEPARTMENT AG
110 RECTOR STREET NEW YORK, N.Y. U.S.A.

MADE IN U.S.A.

9-62

PRINTED IN U.S.A.

LETTUCE and ENDIVE: Downy mildew — As a spray, use up to 150 gals. per acre and as a dust, up to 50 lbs. per acre. Apply when disease appears; repeat at 7 to 10-day intervals under average conditions, 3 to 5 days when disease conditions are severe. Do not apply later than 7 days before harvest. Remove residues from head lettuce by stripping and trimming, and from leaf lettuce and endive by washing or other effective means.

LIMA BEANS: Downy mildew and anthracnose — Use up to 200 gals. spray or 30 lbs. dust per acre. Start applications during early blooming stage, or when disease first appears; repeat at 4 to 7-day intervals as needed. Do not apply later than 4 days before any picking.

ONIONS: Downy mildew, purple blotch (blight) and blast (Botrytis leaf blight) — Apply when first spots appear; repeat weekly as needed. Add Plyac® Spreader-Sticker.

SPINACH: Downy mildew (blue mold) and white rust — Apply when disease first appears in area; repeat at 7 to 10-day intervals. Do not apply later than 7 days before harvest. Remove residues by washing or other effective means.

SUGAR BEETS: Cercospora leaf spot — Use 1½ to 2 lbs. per acre in 75 to 125 gals. of water; add Plyac® Spreader-Sticker. As a dust, apply at the rate of 30 to 40 lbs. per acre. Apply when disease threatens (usually early July); repeat at 7 to 10-day intervals as needed. Do not apply later than 10 days before harvest. Do not feed treated tops to livestock.

PEANUTS: Cercospora leaf spot — Use 1 lb. per acre in 12 to 25 gals. water for first application (1½ lbs. per acre for subsequent applications); add Plyac® Spreader-Sticker. As a dust, use a prepared mixture containing 4 to 5% Maneb (3.2 to 4.0% active) and dusting sulfur; apply at the rate of 20 to 30 lbs. dust per acre. Apply when leaf spot first appears and repeat at 10 to 14-day intervals (7-day intervals during rainy, humid weather). Do not feed treated peanut hay to livestock.

ALMONDS (In California): Shot-hole (fungus) and brown rot (blossom and twig blight) — Use 1½ to 2 lbs. per 100 gals. (6 to 8 lbs. per acre) at the popcorn full-bloom and petal-fall stages (omit petal-fall spray if only brown rot is present). Add Plyac® Spreader-Sticker.

PEACHES (Pacific States) and NECTARINES (California): Shot-hole fungus and peach leaf curl (California only), apply dormant and popcorn sprays. For brown rot blossom blight, apply at pink bud and 25% to 75% of full-bloom (in Pacific Northwest add a petal-fall spray); Use 1½ to 2 lbs. per 100 gals. (6 to 8 lbs. per acre). For fruit brown rot (California only), apply 2 lbs. per 100 gals. (about 10 lbs. per acre) 4 weeks before harvest, or earlier if rot is easily found on green fruit, and repeat at 7 to 14-day intervals as needed. Add Plyac® Spreader-Sticker. Do not apply to nectarines later than 14 days before harvest. If applied to peaches within 14 days of harvest remove residues by brushing; do not apply later than 2 days before harvest.

APRICOTS (In California): Brown rot and shot-hole (fungus) — Use 2 lbs. at red bud, early bloom, and full-bloom. Green or Jacket rot — Use 2 lbs. at full-bloom and petal fall.

GRAPES (in Great Lakes Area): Black rot — Spray just before bloom, just after bloom and 7 to 10 days later.

ROSES: Cercospora leaf spot (Texas), Rust (California), Black spot — Use 1½ lbs. spray when first leaves unfold; repeat weekly as needed. Add Plyac® Spreader-Sticker.

COMPATIBILITY: Maneb is compatible with common insecticides, such as methoxychlor, DDT, DDD (TDE), sulfur, organophosphorus compounds, calcium arsenate, rotenone and pyrethrum.

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