



**R.T. VANDERBILT
COMPANY, INC.**



Vancide^{*}

FE Flowable

40% Ferbam Dispersion

4 Pounds Ferbam Per Gallon

AGRICULTURAL FUNGICIDE

ACTIVE INGREDIENTS:	40%
FERBAM (FERRIC DIMETHYLDITHIOCARBAMATE)	
INERT INGREDIENTS:	60%
	<hr/> 100%

DIRECTIONS FOR USE AS A SPRAY

All Recommendations Based on 100 Gallons of Spray Except As Noted
AGRICULTURAL FRUIT AND NUT CROP USES

- ALMONDS:** Shothole— $1\frac{1}{8}$ to $1\frac{1}{2}$ quarts. Apply in late fall after harvest. Repeat as buds swell and when shucks are shed.
Brown Rot Blossom Blight— $1\frac{1}{8}$ to $1\frac{1}{2}$ quarts. Apply at popcorn. Repeat at full bloom. Do not apply after petal fall.
- APPLES:** Anthracose— $\frac{3}{4}$ to $1\frac{1}{8}$ quarts. Apply in early cover sprays.
Bitter Rot— $1\frac{1}{2}$ to $2\frac{7}{10}$ quarts. Apply in late cover sprays.
Black Rot— $\frac{3}{4}$ to $1\frac{1}{8}$ quarts. Begin at petal fall. Repeat in cover sprays.
Blossom End Rot (Botrytis), Brooks Spot, Brown Rot, Fly Speck and Sooty Blotch— $\frac{3}{4}$ to $1\frac{1}{2}$ quarts. Apply in cover sprays.
Botryosphaeria Rot, Frogeye Spot, Scab— $\frac{3}{4}$ to $1\frac{1}{2}$ quarts. Begin in prebloom. Repeat in calyx and early cover stages. Reduce to $\frac{6}{10}$ quart in late cover sprays.
Blotch— $\frac{3}{4}$ to $2\frac{7}{10}$ quarts. Apply in cover sprays.
Cedar Rust— $\frac{3}{4}$ to $1\frac{1}{2}$ quarts. Apply in prebloom, calyx and early cover sprays. If necessary, apply $\frac{4}{10}$ quart as a special bloom spray. (Continued on Next Panel)

CAUTION: KEEP OUT OF REACH OF CHILDREN.
SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONS.

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. Keep away from fire and sparks.

NET CONTENTS GALS. LBS. U.S.D.A. REG. NO. 1965-69

- Quince Rust— $\frac{3}{4}$ to $1\frac{1}{2}$ quarts. Apply in prebloom.
Note: Golden Delicious variety is easily russeted 7 days of harvest.
- APRICOTS:** Brown Rot— $1\frac{1}{8}$ to $1\frac{1}{2}$ quarts. Apply in cover sprays as necessary.
Green Rot, Jacket Rot (Pacific Northwest)— $1\frac{1}{8}$ and petal fall or follow State Recommendations.
Shothole (West Coast)— $\frac{3}{4}$ to $1\frac{1}{8}$ quarts. Apply when buds swell and at shuck shed. Do not apply in dormant period or when canes are 10 to 12 and postblossom stages and 2 or 3 times at 10 to 40 days of harvest.
- BLACKBERRIES:** Anthracose, Leaf Spot, Rust, Spur Blight— $\frac{3}{4}$ to $1\frac{1}{8}$ quarts. Apply in prebloom, petal fall and in late summer or early fall if heavy.
- BLUEBERRIES:** Botrytis Blight, Brown Leaf Spot, Rust— $1\frac{1}{8}$ to $2\frac{7}{10}$ quarts. Apply at delayed dormancy. Begin just before blossoming. Repeat at full bloom.
Mummyberry— $2\frac{7}{10}$ quarts. Apply at loose bud; apply within 40 days of harvest.
- BOYSENBERRIES, DEWBERRIES, RASPBERRIES:** Blight— $1\frac{1}{8}$ to $2\frac{7}{10}$ quarts. Apply at delayed dormancy. Do not apply within 40 days of harvest.
- CHERRIES:** Brown Rot— $1\frac{1}{8}$ to $1\frac{1}{2}$ quarts. Begin bloom, petal fall and 1 or more cover sprays as necessary.
Leaf Spot— $1\frac{1}{8}$ to $1\frac{1}{2}$ quarts. Make 2 to 3 applications.
- CITRUS (GRAPEFRUIT, KUMQUATS, LEMONS, LIME, LINGERINES):** Anthracose, Scab— $1\frac{1}{8}$ to 2 quarts. petal fall and in late summer or early fall if heavy.
- CITRUS (Rough Lemon Nursery Stock Only):** Scab—1 interval and after heavy rains during growing period.
- CRANBERRIES:** Fairy Ring Root Rot (Psilocybe)—6% per square foot of diseased area and up to 3 feet. Apply in the fall, immediately after harvest.
- Fruit Rots— $1\frac{1}{8}$ to $2\frac{1}{4}$ quarts. Make 3 applications at midbloom. Do not apply later than 28 days after bloom.
- CURRENTS, GOOSEBERRIES:** Anthracose, Botrytis— $\frac{3}{4}$ to $1\frac{1}{8}$ quarts. Begin in prebloom stage. Repeat at postbloom, 2 to 3 times within 14 days of harvest.
- GRAPES:** Black Rot, Downy Mildew— $\frac{3}{4}$ to $1\frac{1}{2}$ quarts after bloom and 2 weeks before berries touch. Do not apply until buds break. Repeat at weekly intervals. Do not apply after bloom. Do not apply later than immediately after bloom.
- NECTARINES:** Brown Rot, Scab— $\frac{3}{4}$ to $1\frac{1}{8}$ quarts. Apply after bloom. Do not apply later than immediately after bloom.
- PEACHES:** Brown Rot— $1\frac{1}{8}$ to $1\frac{1}{2}$ quarts. Apply repeat as necessary.
Fusicoccum Canker (New Jersey and Massachusetts)—Repeat at 7- to 10-day intervals to 21 days prior to trees after harvest.
Shothole (Western States)— $\frac{3}{4}$ to $1\frac{1}{8}$ quarts. Apply in spring at popcorn and shuck shed.
Leaf Curl—In Western States, apply $2\frac{7}{10}$ quart in dormant early spring period; in Eastern States, season application. Do not apply within 21 days of harvest.
- PEARS:** Labraea Leaf Blight and Fruit Spot, Sooty Blotch— $\frac{3}{4}$ to $1\frac{1}{8}$ quarts. Apply in pink and calyx. Do not apply within 7 days of harvest.
- PLUMS, PRUNES:** Brown Rot, Green Rot— $\frac{3}{4}$ to $1\frac{1}{8}$ quarts. Apply in prebloom, petal fall and first and second cover periods.
Leaf Spot— $\frac{3}{4}$ to $1\frac{1}{8}$ quarts. Apply in fall and in spring as buds swell. Do not apply within 14 days of harvest.
- QUINCES:** Fruit Spot, Leaf Blight, Scab— $\frac{3}{4}$ to $1\frac{1}{8}$ quarts. Apply in cover sprays.
Sooty Blotch— $\frac{3}{4}$ to $1\frac{1}{8}$ quarts. Apply in cover sprays.
- STRAWBERRIES:** Botrytis Fruit Rot— $\frac{3}{4}$ to $1\frac{1}{8}$ quarts. Apply in prebloom. Do not apply within 14 days of harvest.

Quince Rust— $\frac{3}{4}$ to $1\frac{1}{2}$ quarts. Apply in prebloom, calyx and early cover sprays. Note: Golden Delicious variety is easily russeted by ferbam. Do not apply within 7 days of harvest.

APRICOTS: Brown Rot— $\frac{1}{8}$ to $1\frac{1}{2}$ quarts. Apply before, during and after bloom and in cover sprays as necessary.

Green Rot, Jacket Rot (Pacific Northwest)— $\frac{1}{8}$ to $1\frac{1}{2}$ quarts. Apply at full bloom and petal fall or follow State Recommendations.

Shothole (West Coast)— $\frac{3}{4}$ to $1\frac{1}{8}$ quarts. Apply after harvest. Repeat in spring when buds swell and at shuck shed. Do not apply within 21 days of harvest.

BLACKBERRIES: Anthracnose, Leaf Spot, Rust, Spur Blight— $\frac{1}{8}$ to $2\frac{1}{10}$ quarts. Apply in spring dormant period or when canes are 10 to 12 inches long. Repeat at preblossom and postblossom stages and 2 or 3 times at 10-day intervals. Do not apply within 40 days of harvest.

BLUEBERRIES: Botrytis Blight, Brown Leaf Spot, Rust, Twig Blight— $\frac{1}{8}$ to $2\frac{1}{10}$ quarts. Begin just before blossoming. Repeat at full bloom and 1 to 3 weeks later.

Mummyberry— $2\frac{1}{10}$ quarts. Apply at loose bud scale stage and 7 days later. Do not apply within 40 days of harvest.

BOYSENBERRIES, DEWBERRIES, RASPBERRIES: Anthracnose, Leaf Spot, Rust, Spur Blight— $\frac{1}{8}$ to $2\frac{1}{10}$ quarts. Apply at delayed dormant, just before bloom and at petal fall. Do not apply within 40 days of harvest.

CHERRIES: Brown Rot— $\frac{1}{8}$ to $1\frac{1}{2}$ quarts. Begin at pink bud stage. Repeat at full bloom, petal fall and 1 or more cover sprays as necessary.

Leaf Spot— $\frac{1}{8}$ to $1\frac{1}{2}$ quarts. Make 2 to 3 applications before, and 1 after harvest.

CITRUS (GRAPEFRUIT, KUMQUATS, LEMONS, LIMES, ORANGES, TANGELOES, TANGERINES): Anthracnose, Scab— $\frac{1}{8}$ to 2 quarts. Apply in prebloom period, at $\frac{2}{3}$ petal fall and in late summer or early fall if heavy flush of growth occurs.

CITRUS (Rough Lemon Nursery Stock Only): Scab— $\frac{1}{8}$ to 2 quarts. Apply at 7- to 10-day intervals and after heavy rains during growing period.

CRANBERRIES: Fairy Ring Root Rot (Psilocybe)— $6\frac{1}{10}$ quarts, using 1 gallon of suspension per square foot of diseased area and up to 3 feet outside of the ring of dead plants. Apply in the fall, immediately after harvest.

Fruit Rots— $\frac{1}{8}$ to $2\frac{1}{4}$ quarts. Make 3 applications at 2-week intervals beginning at midbloom. Do not apply later than 28 days after midbloom.

CURRENTS, GOOSEBERRIES: Anthracnose, Botrytis Rot, Leaf Spot— $\frac{3}{4}$ to $1\frac{1}{2}$ quarts. Begin in prebloom stage. Repeat at postbloom, 2 weeks later and after harvest. Do not apply within 14 days of harvest.

GRAPES: Black Rot, Downy Mildew— $\frac{3}{4}$ to $1\frac{1}{2}$ quarts. Apply just before bloom, just after bloom and 2 weeks before berries touch. Do not apply within 7 days of harvest.

LOGANBERRIES: Anthracnose, Leaf Spot, Spur Blight— $\frac{3}{4}$ to $1\frac{1}{2}$ quarts. Begin when buds break. Repeat at weekly intervals. Do not apply after fruit begins to form.

NECTARINES: Brown Rot, Scab— $\frac{3}{4}$ to $1\frac{1}{8}$ quarts. Apply before, during and immediately after bloom. Do not apply later than immediately after bloom.

PEACHES: Brown Rot— $\frac{1}{8}$ to $1\frac{1}{2}$ quarts. Apply before, during and after bloom and repeat as necessary.

Fusicoccum Canker (New Jersey and Massachusetts)— $\frac{1}{8}$ quarts. Begin before bloom. Repeat at 7- to 10-day intervals to 21 days before harvest and continue application to trees after harvest.

Shothole (Western States)— $\frac{3}{4}$ to $1\frac{1}{8}$ quarts. Apply after harvest but before leaves drop. Repeat in spring at popcorn and shuck shed.

Leaf Curl—In Western States, apply $2\frac{1}{10}$ quarts in fall after leaves drop and repeat in dormant early spring period; in Eastern States, apply $\frac{3}{4}$ to $1\frac{1}{8}$ quarts in 1 dormant season application. Do not apply within 21 days of harvest.

PEARS: *Labraea* Leaf Blight and Fruit Spot, Sooty Blotch— $\frac{3}{4}$ to $1\frac{1}{8}$ quarts. Apply as cover sprays.

Scab— $\frac{3}{4}$ to $1\frac{1}{2}$ quarts. Apply in pink and calyx stages and through second cover. Do not apply within 7 days of harvest.

PLUMS, PRUNES: Brown Rot, Green Rot— $\frac{3}{4}$ to $1\frac{1}{8}$ quarts. Apply in popcorn, bloom, petal fall and first and second cover periods.

Leaf Spot— $\frac{3}{4}$ to $1\frac{1}{8}$ quarts. Apply in fall after harvest and before leaf drop. Repeat in spring as buds swell. Do not apply within 7 days of harvest.

QUINCES: Fruit Spot, Leaf Blight, Scab— $\frac{3}{4}$ to $1\frac{1}{8}$ quarts. Apply in pink and petal fall stages and in cover sprays.

Sooty Blotch— $\frac{3}{4}$ to $1\frac{1}{8}$ quarts. Apply in cover sprays. Do not apply within 7 days of harvest.

STRAWBERRIES: Botrytis Fruit Rot— $\frac{3}{4}$ to $1\frac{1}{8}$ quarts. Apply at first bloom. Repeat at full bloom. Do not apply within 14 days of harvest.

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AGRICULTURAL VEGETABLE CROP USES

BEANS (Snap): Anthracnose— $1\frac{1}{2}$ quarts. Begin when disease appears. Repeat at 7- to 10-day intervals. Do not apply within 4 days of picking. Do not feed treated plants to livestock.

CABBAGE: Downy Mildew— $\frac{1}{8}$ quarts. Plant bed treatment. Begin when plants emerge. Repeat 2 or 3 times a week for 3 to 4 applications. Plant bed treatment only.

CARROTS: Leaf Spots— $1\frac{1}{2}$ quarts. Begin when plants are well up. Repeat at weekly intervals. Do not apply within 7 days of harvest if tops are to be used for food or feed.

CELERY: Damping-Off— $\frac{3}{4}$ to $1\frac{1}{2}$ quarts. Plant bed treatment. Begin as soon as plants are up. Repeat at 2-week intervals as necessary.

Early and Late Blights, Leaf Spot— $\frac{3}{4}$ to $1\frac{1}{2}$ quarts. Begin when diseases threaten. Repeat at 7- to 10-day intervals.

Pink Rot (Sclerotinose) (Florida Only)— $1\frac{1}{2}$ quarts. Begin when plants are established in field. Repeat at 3- to 7-day intervals as necessary. Use 100 gallons of suspension per acre when plants are small, increasing to 200 gallons as plants approach maturity. Remove residues by stripping, trimming, and washing.

LETTUCE: Damping-Off— $\frac{4}{10}$ to $\frac{3}{4}$ quart. Use $\frac{1}{2}$ gallon of suspension per square yard of plant bed as a drench. Begin as soon as plants are up. Repeat at 10- to 14-day intervals.

Drop (Sclerotinose) (Florida Only)— $1\frac{1}{2}$ quarts. Begin when plants are established in field. Repeat at 7-day intervals. Apply 100 gallons of suspension per acre when plants are small, increasing to 200 gallons as plants approach maturity. Do not apply within 7 days of harvest. Remove residues by stripping and trimming.

PEPPERS: Downy Mildew (Blue Mold)— $\frac{3}{4}$ to $1\frac{1}{8}$ quarts. Plant bed treatment. Begin at first sign of disease. Repeat at 10- to 14-day intervals. Plant beds only.

TOMATOES: Anthracnose, Botrytis (Gray Mold), Early Blight, Septoria Leaf Spot— $1\frac{1}{2}$ to 3 quarts. Begin when plants are set in field. Repeat at 3- to 5-day intervals. Under severe conditions alternate with copper or ziram sprays.

TURNIPS: Cercospora Leaf Spot— $1\frac{1}{2}$ quarts. Begin when disease appears. Repeat at 5- to 10-day intervals.

AGRICULTURAL FIELD CROP USES

TOBACCO: Anthracnose, Blue Mold— $2\frac{3}{10}$ to 3 quarts as a plant bed treatment using 3 gallons of suspension per 100 square yards of bed when plants are small, increasing to 6 gallons as plants become larger. Begin when leaves are the size of a dime or when disease is first reported in the area. Repeat twice weekly and after rains until transplanting time.

AGRICULTURAL ORNAMENTAL CROP USES

Unless otherwise specified, $\frac{3}{4}$ to $1\frac{1}{8}$ quarts. Begin after plants are well established and before diseases appear. Repeat at 7- to 10-day intervals until bloom and after bloom as necessary.

ASTERS, BEGONIAS, COLUMBINE, GOLDEN GLOW, HYDRANGEAS, IRIS, LILACS, ORIENTAL POPPY, SWEET PEAS, VERBENA, AND ZINNIAS: Leaf Spots.

AZALEAS: Leaf Spot, Petal Blight—Apply at 3- to 4-day intervals during bloom to plants, flowers, and litter around plants.

CAMELLIA: Petal Blight—Apply as a monthly soil drench and to soil and litter around plants at 3- to 4-day intervals during bloom.

CARNATIONS: Alternaria Blight, Rust, Septoria Leaf Spot.

CHRYSANTHEMUMS: Rust, Septoria Leaf Spot.

CYCLAMEN: Botrytis Rot, Leaf Spot.

DELPHINIUMS, HOLLYHOCKS, MORNING GLORY, PHLOX, PRIMROSE: Leaf Spot, Rusts.

GARDENIAS: Botrytis Rot, Leaf Spot—Apply at 3- to 4-day intervals.

GERANIUMS: Bacterial and Fungal Leaf Spots, Rust.

GLADIOLUS: Botrytis Blight, Stemphylium and Septoria Leaf Spots— $1\frac{1}{2}$ quarts.

IVY: Leaf Spots.

JUNIPER: Cedar Rust.

LAUREL: Leaf Spot.

MARIGOLDS: Rust.

ORNAMENTAL CUTTINGS: Damping-Off, Rots—Drench soil and dip cuttings before setting. Do not use on Hydrangea cuttings.

PEONY, POINSETTIAS, TULIPS: Botrytis Blight.

ROSES: Anthracnose, Black Spot, Blossom Blight, Rust—For black spot begin when first leaves unfold.

SNAPDRAGONS: Anthracnose, Leaf Spot, Rust.

MISCELLANEOUS AGRICULTURAL USES

PINE SEEDLINGS: Fusiform Rust— $\frac{3}{4}$ to $1\frac{1}{2}$ quarts. Apply at 3- to 7-day intervals from plant emergence as needed.

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