



## 3-in-1 Garden Spray Concentrate

32 fl. oz.

KEEP UNPROTECTED PERSONS OUT OF TREATED AREAS UNTIL SPRAY HAS DRIED! READ ENTIRE LABEL BEFORE USING!

### **Directions for use:**

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

Safer® Brand 3-in-1 Concentrate can be applied with all types of hand or power sprayers. Read and carefully follow the instructions for the type of sprayer you use. Always shake well before using!

**What it is:** Safer® Brand 3-in-1 Concentrate provides three garden solutions in one: fungicide, insecticide, and miticide. It kills garden insects and mites and controls fungal diseases. It contains a patented formulation to help reduce injury to most plants.

**What it controls:** Powdery mildew, black spot, leaf spot, and rust.

**What it kills:** Aphids, beetles (leaf-feeding), caterpillars (leaf-feeding), crickets, earwigs, lace bugs, leafhoppers, mealybugs, mites, plant bugs, scale crawlers, thrips and whiteflies.

**Where to use it:** Roses, flowers, shade trees, foliage plants, ornamentals, beans, peas, broccoli, cabbage, cauliflower, collards, kale peppers, strawberries, apples, pears, citrus, potatoes, cucumbers, squash, grapes, blackberries, blueberries, raspberries, loganberries, currants, melons and tomatoes.

**How to use it:** Apply in the morning or late evening. Shake well. Use at first sighting of insects or infection. Thorough coverage of both top and bottom leaves is important. Spray leaves to the point of runoff. Apply every 5 to 7 days when insects are present.

**CAUTION:**

Some plants are susceptible to injury from sulfur under certain climatic conditions. **DO NOT USE** on delicate fern, apricots, filberts, stock, walnuts, nasturtium, sweet pea, violet, mountain ash, Japanese maple, horse chestnut, spinach, viburnum, newly planted cuttings, or plants stressed by drought. Do not apply when plants are in full sun or when temperature exceeds 90° F. Do not apply for at least 4 weeks following application of oil spray.

**FUNGICIDE USES:**

Shake well.

For control of black spot, leaf spot, and rust: Mix 1 part concentrate to 15 parts water or 8 fl. oz. (16 Tbsp.) per gallon.

For powdery mildew: Mix 4 fl. oz. (8 Tbsp.) per gallon of water. Place about half of the volume of water in sprayer, add concentrate, stir well, add rest of water and mix thoroughly. Run agitator on large tank sprayers.

For coverage: See individual applications. Spray plants thoroughly to wet the upper and lower surfaces of foliage. Repeat as recommended.

To control powdery mildew, leaf spot and rust on Flowers, Foliage Plants & Ornamentals: Spray at 7 to 10 day intervals or as needed. To control powdery mildew, black spot and rust on roses, spray at 7 to 10 day intervals or following rain. Be sure to treat new growth and buds. Avoid spraying when plants are in full sun or temperature exceeds 85° F. Apply 1 gallon of mix to each 250 sq. ft.

To control powdery mildew on Beans and Peas: Spray at first sign of disease and repeat at 7-day intervals as necessary. May be used up to day before harvest. Apply 1 gallon of mix to each 250 sq. ft.

To control powdery mildew on Apples and Pears: Spray to thoroughly wet foliage. Apply at pre-bloom stage or after petal fall as needed. **NOTE:** Some apple and pear varieties are sulfur sensitive, test for varietal sensitivity prior to full-scale treatment.

To control powdery mildew on Potatoes: Spray before disease appears & repeat as necessary. Apply 1 gallon of mix to each 350 sq. ft.

To control powdery mildew on Cucumbers and Squash: Spray when powdery mildew appears & repeat as necessary. Do not spray young plants. Apply 1 gallon of mix to each 600 sq. ft.

To control powdery mildew on Strawberries: Spray when disease appears and repeat as necessary. Do not spray young plants. Apply 1 gallon of mix to each 300 sq. ft. **NOTE:** Do not apply to strawberries that will be used for canning. May be used up to the day before harvest.

## **INSECTICIDES AND MITICIDE USES:**

For best results, use freshly mixed solution. Mix 1 part concentrate with 15 parts water, or 8.0 fl. oz. per gallon unless otherwise noted. Use soft water whenever possible. Apply at first sighting of insects/mites. Thoroughly moisten top and bottom leaf surfaces where insects/mites are feeding or resting. Apply every 5 to 7 days when insects are present or as needed to prevent damage. NOTE: Do not use on new transplants, newly rooted cuttings or plants stressed by drought. Avoid application when temperature exceeds 90°F. Safer® Brand 3-in-1 Concentrate may be used up to and including day of harvest, and is useful as a component of Integrated Pest Management (IPM) programs.

### **Flower and Bedding Plants Growing Outdoors including foliage plants, roses, and succulents:**

Mix 8 fl. oz. (16 Tbsp.) of concentrate per gallon of water. Apply when insects appear. Take care to thoroughly wet all infested surfaces. A second application should be timed to control newly hatched young. Repeat weekly as needed up to three times. For Earwigs, spray directly on insects after disturbing their hiding places. NOTE: Do not use on bleeding heart, gardenias, jade plant, lantana, lilies or sweetpeas. Some varieties of azaleas, begonias, camellias, fuchsias, gardenias and impatiens are soap sensitive. If wilting occurs within a few hours, rinse with clean water supply. Test on chrysanthemums for varietal sensitivity and do not apply to open blooms.

### **Ornamental Shrubs:**

Mix 8 fl. oz. (16 Tbsp.) of concentrate per gallon of water. To control the crawler stage of adelgids, psyllids and scales, spray to wet bark surface when infestation warrants. For mites, be sure to wet underside of leaves and needle sheaths. NOTE: Do not apply to chestnut, Japanese maple, mountain ash or Colorado blue spruce. Do not apply to ornamentals stressed by drought or when tender new foliage is present. Do not apply when temperature exceeds 90° F. Test on arborvitae, Eugenia and euonymus for varietal and drought sensitivity. Safer® Brand 3-in-1 Concentrate may result in the temporary removal of the glaucous bloom from spruces.

### **Vegetables Growing Outdoors:**

Mix 1 part concentrate to 15 parts water or 8 fl. oz. per gallon. Mix 8 fl. oz. (16 Tbsp.) of concentrate per gallon of water. Apply when insects first appear or when damage occurs. Spray to wet all infested plant surfaces. One gallon of spray covers approximately 850 sq. ft. of growing area. Application rate will vary according to size and growth form of plants. For most pests, repeat application after several days to eliminate newly hatched individuals. Repeat at weekly to biweekly intervals up to three times. Do not make more than 3 sequential applications over a two-week period. Use up to the day before harvest. NOTE: Do not apply during heat of day or when temperature exceeds 90° F.

Root and Tuber Vegetables: Including carrot, potato, radish and sugar beet to suppress aphids, and to control leafhopper, plant bugs and whiteflies. Use up to day of harvest.

Bulb Vegetables: Including onion and garlic to suppress thrips. Use up to day of harvest.

Brassica (Cole) Leafy Vegetables: Including broccoli, Brussels sprouts, cabbage, Chinese cabbage (bok choy) and kale to control leafhoppers, plant bugs and whitefly and to suppress aphids. Use up to day of harvest.

Leafy Vegetables: Including lettuce, celery and spinach to control whitefly and mites and to suppress aphids. Use up to day of harvest.

Legume Vegetables: Including beans, peas and soybeans to control aphids, grasshoppers, whiteflies and spider mites. Use up to day of harvest.

Fruiting Vegetables: Including tomatoes, peppers and eggplant to control spider mites and whitefly and to suppress aphids. Use up to day of harvest.

Cucurbit Vegetables: Including cucumber, summer squash and melon to control plant bugs and whitefly and to suppress aphids and mites. Use up to day of harvest. Always apply to cucumbers at night or during the coolest part of the day.

Herbs and Spices: Including basil, chives, dill, marjoram, and sage to control whitefly and to suppress aphids and mites. Use up to day of harvest.

**Fruits and Nuts:**

Mix 8 fl. oz. (16 Tbsp.) of concentrate per gallon of water. Spray when insects first appear or to prevent damage. Apply to achieve thorough coverage of infested foliage/branches. Repeat at weekly intervals as needed. Avoid spraying when blossoms are present. Use up to day of harvest.

Citrus Fruits: Including lemons, sweet orange and grapefruit to control aphids, cottony cushion scale, black scale, red scale and mites. Use up to day of harvest. NOTE: Some marking of fruit may occur especially when spray run-off occurs or when sooty mold is present.

Pome Fruits: Including apple and pear to control leafhoppers, scale crawlers, pear psylla, pear slug (Tenthredinidae) and to suppress aphids and mites. Use up to day of harvest. NOTE: Spray may cause localized marking of some varieties, particularly apple varieties such as Red and Golden Delicious, Gravenstein and pear varieties such as d'Anjou, Comice and Asian.

Stone Fruits: Including cherry, peach and plums to control scale insects and to suppress aphids and mites. Use up to day of harvest. NOTE: Spray may cause some localized spotting of nectarines and remove waxbloom from plums.

Small fruits and Berries: Including blackberry, coffee, cranberry, grape and strawberry to control leafhoppers, mealybugs, scales and whitefly and to suppress aphids and mites. Use up to day of harvest. NOTE: Do not spray grapes during the period between the start of blooming and 2 to 3 days post shatter.

Tree nuts: Including almonds, English walnuts and pecans to control scale crawlers and to suppress aphids and mites. Use up to the day of harvest.

## **PRECAUTIONARY STATEMENTS:**

**CAUTION:** Causes moderate eye irritation. Avoid contact with eyes, skin or clothing. Wear protective clothing, gloves, goggles, face shield, or safety glasses while mixing. Wash thoroughly with soap and water after handling this product and before eating, drinking, chewing gum or using tobacco. Remove and wash contaminated clothing before reuse.

### **FIRST AID:**

#### **If on skin:**

- Take off contaminated clothing.
- Rinse skin immediately with plenty of water for 15-20 minutes.
- Call a poison control center or doctor for treatment advice.

#### **If in eyes:**

- Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing.
- Call a poison control center or doctor for treatment advice.

**Have the container or label with you when calling a poison control center or doctor or going for treatment. You may also contact 1-800-858-7378 for emergency medical treatment advice.**

## **ENVIRONMENTAL HAZARDS:**

This product may be hazardous to aquatic invertebrates. Do not apply directly to water. Do not contaminate water by cleaning of equipment washwaters or disposal of rinsate.

## **STORAGE AND DISPOSAL:**

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

**Storage:** Store in a cool dry area away from heat or open flame and inaccessible to children. Keep from freezing.

**Disposal:**

**If Empty:** Do not reuse this container. Place in trash or offer for recycling if available.

**If Partly Filled:** Call your local solid waste agency or 800-CLEANUP for disposal instructions. Never place unused product down any indoor or outdoor drain.