

## **Safer® Brand Insect Killer Soap Concentrate II (Item#5118GAL-32)**

### **PRECAUTIONARY STATEMENTS:**

Hazards to Humans and Domestic Animals

**WARNING:** Causes skin irritation. Causes substantial but temporary eye injury. Harmful if absorbed through the skin. Harmful if inhaled. Do not get on skin, in eyes or on clothing. Avoid breathing spray mist. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove and wash contaminated clothing before reuse. Wear protective eyewear (goggles, face shield, or safety glasses).

### **First Aid**

**If in eyes:** - Hold eye open and rinse slowly and gently with water for 15-20 minutes.

- Remove contact lenses, if present, after first five minutes, then continue rinsing eye.
- Call a poison control center or doctor for treatment advice.

**If on skin or clothing:** - 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 inhaled:** - Move person to fresh air.

- If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth if possible.
- Call a poison control center or doctor for treatment advice.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact the National Pesticide Information Center at 1-800-858-7378 for emergency medical treatment.

### **ENVIRONMENTAL HAZARDS**

This product may be hazardous to aquatic invertebrates. For terrestrial uses, do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water by cleaning of equipment or disposal of rinsate.

### **PHYSICAL OR CHEMICAL HAZARDS**

Flammable. Keep away from heat and open flame.

### **STORAGE AND DISPOSAL**

Do not contaminate water, feed or foodstuffs by storage and disposal.

**PESTICIDE STORAGE:** Store only in original container in a cool, dry area inaccessible to children and pets. Do not store full or partial containers in direct sunlight. Keep container tightly sealed when not in use. **PESTICIDE DISPOSAL AND CONTAINER**

**HANDLING:** If Empty: Non-refillable container. Do not reuse or refill this container. Place in trash or offer for recycling if available. If Partly Filled: Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

## **DIRECTIONS FOR USE**

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

This product can be applied with all types of hand or power sprayers. Read and carefully follow the instructions for the type of sprayer you use. Shake well. For best results, use freshly mixed solution. Use soft water whenever possible. NOTE: Do not use on new transplants, newly rooted cuttings or plants stressed by drought. Avoid application when temperature exceeds 90° F. Insect Killing Soap Concentrate II may be used up to and including day of harvest, and is useful as a component of Integrated Pest Management (IPM) programs.

**Indoor Plants:** Mix one part concentrate with 50 parts water or 2.5 oz. (5 Tbsp.) of concentrate per gallon of water. Apply when insects or signs of their damage appear. Take care to thoroughly wet all surfaces of infested foliage and branches. For Aphids, examine plants after two days and spray again if needed. For other pests, spray weekly [7 –10 day intervals] as needed up to three times. Do not make repeated sprays at short intervals without thoroughly rinsing foliage. For Blossom Thrips on African violets, spray to contact thrips on the blooms. Root Mealybugs and Springtail infestations can be reduced using a soil drench of one to two tablespoons of concentrate in a quart of tepid water applied monthly. NOTE: Do not use on Crown of Thorns and test other euphorbias for phytotoxicity before full-scale application. Do not use on dracaena, delicate ferns, die-enbachia, ornamental ivies, palms or succulents without testing.

Flower and Bedding Plants Growing Outdoors and in Home Greenhouses, including foliage plants, roses and succulents. Mix 2.5 oz. (5 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 sweet peas. 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 [Landscape] Trees and Shrubs:** Mix 2.5 oz. (5 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. For Tent Caterpillars, mix 4 oz. (8 tablespoons) per gallon [of water] and spray directly on young larvae when congregated on outside of tent. 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 to evergreens during 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. Insect Killing Soap Concentrate II may result in the temporary removal of the glaucous bloom from spruces.

**Vegetables Growing Outdoors and In Home Greenhouses:** Mix one part concentrate to 50 parts water or 2.5 oz. per gallon. Mix 2.5 oz. (5 Tbsp.) of concentrate per gallon of

water. Apply when insects or Mites first appear or when damage first 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 leafhoppers, 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 2.5 oz. (5 Tbsp.) of concentrate per gallon of water. Spray when insects first appear or to prevent damage. Spray when insects first appear or when their populations attain spray level. Apply to achieve thorough coverage of infested foliage and/or 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 suppress aphids and mites. Use up to day of harvest. Note: Spray may cause 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 day of harvest.