

US ENVIRONMENTAL PROTECTION AGENCY
OFFICE OF PESTICIDES PROGRAMS
REGISTRATION DIVISION (75-767)
WASHINGTON, DC 20460

EPA REGISTRATION NO.

36488-45

DATE OF ISSUANCE

AUG 26 1992

TERM OF ISSUANCE

NOTICE OF PESTICIDE: REGISTRATION
 REREGISTRATION
(Under the Federal Insecticide, Fungicide,
and Rodenticide Act, as amended)

NAME OF PESTICIDE PRODUCT

Ringer Attack Soap Concentrate

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

Ringer Corporation
9959 Valley View Road
Minneapolis, MN 55344

NOTE: Changes in labeling formula differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above U.S. EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby Registered/Reregistered under the Federal Insecticide, Fungicide, and Rodenticide Act.

A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.

Registration is in no way to be construed as an indorsement or approval of this product by this Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) section 3(c)(7)(A) provided that you:

1. Submit/cite all data required for registration/reregistration of your product under FIFRA section 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.
2. Make the labeling changes listed below before you release the product for shipment:
 - a. Revise the EPA Registration Number to read, "EPA Reg. No. 36488-45.
 - b. Under the section DIRECTIONS FOR USE, for fruit and vegetable uses, all crops or crop groupings must be listed. The statement, "including but not limited to" must be removed from the label for any use.
3. Submit one copy of your final printed labeling before you release the product for shipment. Refer to the A-79 enclosure for a further description of final printed labeling.

ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL

KAF

DATE
AUG 26 1992

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

Sincerely yours,

RAF

Robert A. Forrest
Product Manager (14)
Insecticide-Rodenticide Branch
Registration Division (H7504C)

Enclosure: 1) Stamped label
2) A-79 Enclosure

Ringer® Attack® Soap Concentrate

For Use on Fruits, Nuts, Vegetables, and Ornamentals

Active Ingredients

Potassium Salts of fatty acids 49.5 % by weight

Inert Ingredients 50.5 % by weight

Total 100 % by weight

Keep Out of Reach of Children

CAUTION

See back panel for additional precautionary statements
Net Contents 1, 2.5, 5, 30, 55 gallons and bulk

Ringer Attack Soap Concentrate is an effective contact insecticide that is ideal for use in areas such as parks, restaurants, hospitals, school grounds, malls, and other public places, as well as in agriculture, horticulture, golf courses, and greenhouses. Ringer Attack Soap Concentrate effectively controls:

- | | |
|--------------|-------------------|
| Adelgids | Psyllids |
| Aphids | Sawfly larvae |
| Earwigs | Scales |
| Grasshoppers | Spider Mites |
| Lace Bugs | Tent caterpillars |
| Leafhoppers | Thrips |
| Mealybugs | Whiteflies |
| Plant bugs | Wooly aphids |

ACCEPTED
with COMMENTS
in EPA Letter Dated:

AUG 26 1992

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.

36488-45



Ringer Attack Soap Concentrate offers effective insect control on a wide variety of cultivars in ornamental, horticultural and agricultural settings.

- | | |
|----------------|------------|
| Foliage Plants | Fruits |
| Flowers | Tree Nuts |
| Trees & Shrubs | Vegetables |

Ringer Attack Soap Concentrate:

- Can be applied up to time of harvest
- Can be used as an effective component of integrated pest management programs.

EPA Reg. No. 36488-
EPA Est. No.

Manufactured by Ringer Corporation, 9959 Valley View Road, Minneapolis, MN 55344 (612) 941-4180

PRECAUTIONARY STATEMENTS

HAZARD TO HUMANS AND DOMESTIC ANIMALS:

CAUTION: Harmful if swallowed. May cause skin and eye irritation. Avoid contact with skin, eyes or clothing. Avoid breathing of spray mist.

ENVIRONMENTAL HAZARDS

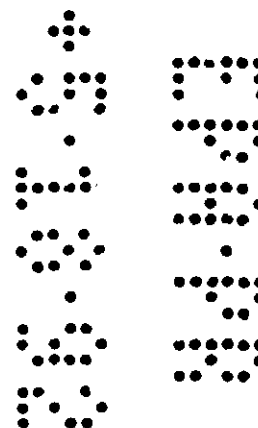
Do not apply to lakes, streams, ponds or wetlands. Do not contaminate water by cleaning of equipment washwaters

PHYSICAL OR CHEMICAL HAZARDS

Flammable, keep away from heat and open flame.

First Aid: In case of skin or eye contact, flush with plenty of water. Get medical attention if irritation persists.

Reentry Protection: No reentry interval is required.



DIRECTIONS FOR USE

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

For best results, use freshly mixed solution. Use soft water whenever possible. If water has a high mineral content and produces soap scale, pre-treat water with an approved softening agent or a pesticide compatibility agent before adding concentrate. To prevent or minimize foaming, avoid use of mechanical agitation, place filling hose below surface of spray solution, terminate by-pass and return lines at bottom of tank; if needed, use approved antifoam or defoaming agent. CAUTION: Do not use on new transplants, newly rooted cuttings, or plants stressed by drought. Avoid application when leaf temperature exceeds 85°F.

WHEN USED ALONE: Ringer Attack Soap Concentrate may be used up to and including day of harvest, and is useful as a component of Integrated Pest Management (IPM) systems.

Dilute at the rate of 2 gallons of concentrate to 100 gallons of water, except as noted in individual sections. Apply according to the rates and other directions given under the individual crop groupings. Spray should be applied to thoroughly wet all infested surfaces.

WHEN COMBINED WITH OTHER PESTICIDES:

Ringer Attack Soap Concentrate may be combined with other pesticides to broaden the target spectrum, improve the level of kill and enhance coverage. Such use should conform to accepted use precautions and directions for use of both products. Attack Soap Concentrate may be tank mixed by adding 1 gallon of concentrate per 100 gallons of spray containing the label amount of the companion pesticide or less, except where prohibited by local regulation. Products with which it may be tank mixed include, but are not limited to, *Bacillus thuringiensis*, pyrethrum, and a variety of petrochemical-based pesticides.

Indoor plants: Mix one part concentrate with 50 parts water, or 2.5 fl. oz. per gallon. Apply when insects or signs of their damage appear. Take care to thoroughly wet all surfaces of infested foliage or branches. For aphids examine plants after two days and spray again if needed. For other pests spray at 7 to 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 mealybug 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 on other euphorbias for phytotoxicity before full-scale application. Do not use on dracaena, delicate ferns, dieffenbachia, ornamental ivies, palms or succulents without testing.

FLOWERS AND BEDDING PLANTS GROWING OUTDOORS AND IN GREENHOUSES, including (but not limited to) foliage plants, roses and succulents. Mix two gallons of concentrate per 100 gallons of water or 2.5 fl. oz. per gallon. 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 place.

NOTE: Do not use on bleeding heart, jade plant, lantana, lillies or sweetpeas. Some varieties of azaleas, begonias, camellias, fuschias, gardenias, orchids, and impatiens have shown sensitivity. If wilting occurs within a few hours rinse with clean water spray. Do not apply to poinsettias after bract coloration begins. Test on chrysanthemums for varietal sensitivity and do not apply to open blooms.

Attack Soap Concentrate mixed 2 gallons per 100 gallons of water may be used as a soil drench to control listed pests in the growing medium of container grown plants.

ORNAMENTAL LANDSCAPE TREES AND SHRUBS including (but not limited to) Christmas trees and ornamental plantings in parks, gardens and along rights-of-way. Mix two gallons of concentrate per 100 gallons water or 2.5 fl. oz. per gallon. To control the crawler stage of adelgids, psyllids, and scales spray to wet bark surface when infestation warrants. For mites and other listed pests, be sure to wet underside of leaves and needle sheaths.

For tent caterpillars, mix 1 gallon of concentrate to 30 gallons of water or 4 fl. oz. per gallon and spray directly on young larvae when congregated on outside of tent

To control Balsam wooly aphid on true firs (*Abies spp.*) mix one gallon of concentrate to 80 gallons of water or approximately 1.5 fl. oz. per gallon. Spray trees thoroughly when crawlers are abundant in early spring and/or fall. For best results make a second application after ten days.

To control Spruce Wooly Aphid mix 1 gallon of concentrate to 25 gallons of water or 5 fl. oz. per gallon. Spray spruce thoroughly in fall or spring before females begin egg laying; on Douglas fir spray before bud break or in the fall after foliage has hardened off.

To control conifer aphids, sawfly larvae and pine needle scale mix 1 gallon of concentrate per 40 gallons of water or 3 fl. oz. per gallon and spray to thoroughly wet foliage when insects are present.

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 leaf temperature exceeds 85°F. Test on Arborvitae, Eugenia and Euonymus for varietal and drought sensitivity. Insecticidal Soap sprays may result in the temporary removal of the glaucous bloom from spruces. To suppress gypsy moth populations, prevent egg hatch by applying a spray solution of 1 quart concentrate to 3 quarts of water directly to egg masses; do not allow spray to contact plant foliage.

VEGETABLES GROWING OUTDOORS AND IN GREENHOUSES: Mix two gallons of concentrate to 100 gallons of water or 2.5 fl. oz. per gallon. Apply when insect or mite populations attain spray threshold. Spray to wet all infested plant surfaces. Application volume per acre sprayed will vary according to size and growth form of plants. Row crops will typically require 50 to 150 gallons of spray per acre. For most pests repeat application after several days to eliminate newly hatched individuals. Do not make more than three sequential applications over a two week period. May be used up to day of harvest.

NOTE: Do not apply during heat of the day or when leaf temperature exceeds 85°F.

ROOT AND TUBER VEGETABLES: Including (but not limited to) carrot, potato, radish and sugar beet to suppress aphids, and control leafhoppers, plant bugs and whitefly. Use up to day of harvest.

BULB VEGETABLES: Including (but not limited to) onion and garlic to suppress thrips. Use up to day of harvest.

LEAFY VEGETABLES: Including (but not limited to) lettuce, celery and spinach to control whitefly and mites and to suppress aphids. Use up to day of harvest.

BRASSICA (cole) LEAFY VEGETABLES: Including (but not limited to) 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.

NOTE: Do not spray on crop prior to application of or tank mix with a topically applied liquid nitrogen fertilizer.

LEGUME VEGETABLES: Including (but not limited to) beans, peas and soybeans to control aphids, grasshoppers, whitefly and spider mites. Use up to day of harvest.

FRUITING VEGETABLES: Including (but not limited to) eggplant, pepper and tomato, to control whitefly and spider mites and to suppress aphids. Use up to day of harvest.

CUCURBIT VEGETABLES: Including (but not limited to) cucumber, melon and summer squash to control plant bugs and whitefly and 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 (but not limited to) 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 two gallons of concentrate to 100 gallons of water or 2.5 fl. oz. per gallon. Spray when insects or mites 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 (but not limited to) sweet orange, lemon 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 (but not limited to) apple and pear to control leaf hoppers, 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 (but not limited to) 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 may remove wax bloom from plums.

SMALL FRUITS AND BERRIES: Including (but not limited to) 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. Application made with dilute spray equipment (more than 75 gallons of spray per acre) and/or tank mixes containing sulfur may mark fruit of grapes; dilute applications are not recommended on varieties being grown for the fresh produce market including but not limited to flames, globes and perlettes as marking of fruits may occur. Do not use on Labrusca varieties or Italia and Calmeria varieties grown for the fresh market.

TREE NUTS: Including (but not limited to) almond, English walnut and pecan to control scale crawlers and suppress aphids and mites. Use up to day of harvest.

ADDITIONAL CROPS: Including (but not limited to) asparagus, coffee, cotton, and subtropical and tropical crops. Mix two gallons of concentrate to 100 gallons of water or 2.5 fl. oz. per gallon. To control aphids, whitefly and mites spray when insects appear and repeat at weekly intervals as needed. Do not use at intervals of less than seven days. Use up to day of harvest.

NOTE: Do not use on passion fruit or guava. Test for varietal sensitivity against other tropical fruits before full-scale application.

POST HARVEST APPLICATIONS

Attack Soap Concentrate may be used alone or in tank mixes to control or suppress insect and mite pests of perennial crop plants after harvest has been completed.

Post-harvest applications provide a means of reducing residual populations, and are a useful component of IPM programs.

STORAGE AND DISPOSAL

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

STORAGE: Store only in original container; in a dry place; inaccessible to children or pets. Do not store full or partial containers in direct sunlight. Keep container tightly sealed when not in use.

DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. Do not reuse empty container. Triple rinse, then offer for recycling or reconditioning, or puncture and dispose of in sanitary landfill or by incineration, if allowed by state and local authorities. If burned, stay out of smoke.

For containers of one gallon or less: do not reuse empty container. Triple rinse thoroughly before discarding in trash.

