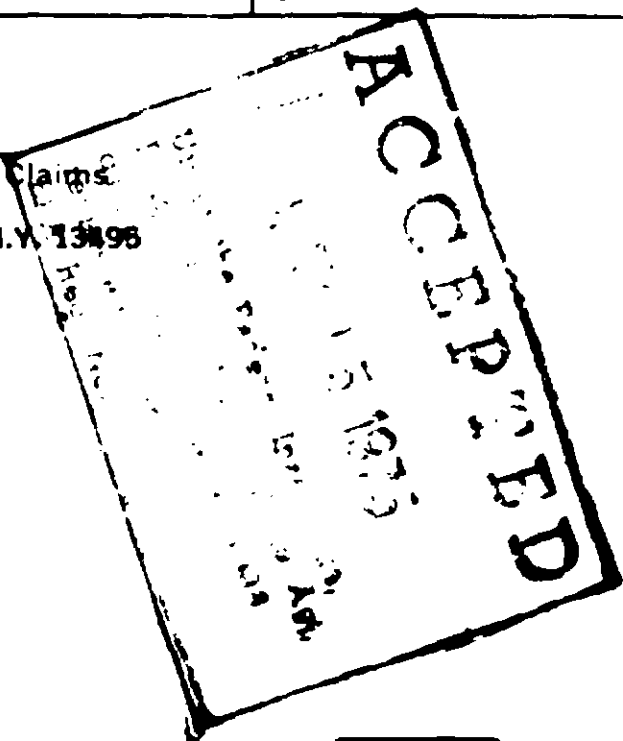


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| BEANS (Green Lima Snap Cowpeas Blackeyed Peas)                                                                                                                                                     | Mexican bean beetle, flea beetle, leaf hopper<br>bean leaf beetle, cucumber beetle, Japanese beetle, velvet bean caterpillar, western bean cutworm<br>armyworm, cutworm, corn earworm, stink bugs, tarnished plant bugs<br>cowpea curculio (on cowpeas only) | Apply when insects or their damage appear and repeat at 7 to 14 day intervals or as necessary unless shorter interval is specified<br>Apply 4 applications, beginning at first bloom and at 5 day intervals thereafter                                                                                                                                                                       | 1 to 2 tsp./qt. or 1 to 2 qt. 100 gals. water<br>2 tsp./qt. or 2 qts. in sufficient water to thoroughly cover acre<br>2 to 3 tsp./qt. or 2 to 4 qts. in sufficient water to thoroughly cover acre<br>4 tsp./qt. or 4 qts. in sufficient water to thoroughly cover acre |
| CARROTS, CHINESE CABBAGE, COLLARDS, DANDELION, ENDIVE (ESCAROLE), GARDEN BEETS, HORSE RADISH, KALE, LETTUCE, MUSTARD GREENS, PARSLEY, PARSNIPS, RADISHES, RUTABAGAS, SALSIFY, SWISS CHARD, TURNIPS | flea beetle, harlequin bug, leafhopper<br>six spotted leafhopper (Aster yellows vector)<br>armyworms, imported cabbage worms, cabbage looper, corn earworm, tarnished plant bug, stink bug                                                                   | Apply on a 7 day schedule, up to 14 days of harvest on leafy vegetables (Chinese cabbage, collards, dandelion, endive, escarole, garden beet tops, kale, leaf lettuce, mustard greens, parsley, salsify (tops), swiss chard and turnip (tops); 3 days for root vegetables (beet, horseradish, parsnip, radish, rutabaga, salsify, turnips and head lettuce. Do not apply to lettuce when wet | 1 to 2 tsp./qt. or 1 to 2 qts. in sufficient water to thoroughly cover acre<br>2 to 4 tsp./qt. or 2 to 4 qts. in sufficient water to thoroughly cover acre<br>2 to 4 tsp./qt. or 2 to 4 qts. in sufficient water to thoroughly cover acre                              |
| BROCCOLI, BRUSSELS SPROUTS, CABBAGE, CAULIFLOWER, KOHLRABI                                                                                                                                         | flea beetles, harlequin bug<br>armyworms, imported cabbage worm, cabbage looper, corn earworms                                                                                                                                                               | Apply on a 7 day schedule. Do not apply within 3 days of harvest                                                                                                                                                                                                                                                                                                                             | 1 to 2 tsp./qt. or 1 to 2 qts. in sufficient water to thoroughly cover acre<br>2 to 4 tsp./qt. or 2 to 4 qts. in sufficient water to thoroughly cover acre                                                                                                             |
| CORN                                                                                                                                                                                               | corn earworm, corn rootworm adults, European corn borer, fall armyworm, Japanese beetle, sap beetles<br>cutworms                                                                                                                                             | For larvae in whorl (budworm damage) and foliage feeders, apply to entire plant. Repeat as necessary. For insects attacking silks and ears, apply at 2 to 3 day intervals starting when first silks appear and continuing until silks begin to dry                                                                                                                                           | 2 to 4 tsp./qt. or 2 to 4 qts. in sufficient water to thoroughly cover acre<br>4 tsp./qt. or 4 qts. in sufficient water to thoroughly cover acre                                                                                                                       |
| CUCUMBERS, MELONS, PUMPKINS, SQUASH                                                                                                                                                                | melonworm, pickleworm, cucumber beetle, squash bug, flea beetle, leafhopper                                                                                                                                                                                  | Apply when insects or their damage appear and repeat at 7 to 14 day intervals or as necessary. Do not apply when foliage is wet on cucumbers, melons, pumpkins, squash                                                                                                                                                                                                                       | 1 to 2 tsp./qt. or 1 to 2 qts. in sufficient water to thoroughly cover acre<br>1 to 2 tsp./qt. or 1 to 2 qts. in sufficient water to thoroughly cover acre                                                                                                             |
| POTATOES, TOMATOES, EGGPLANTS, PEPPERS                                                                                                                                                             | Colorado potato beetle, flea beetle, leaf hopper<br>fall armyworms, lace bugs, stink bugs, tarnished plant bugs, tomato fruitworm, tomato hornworm<br>cutworms (on potato, tomato, eggplant)                                                                 |                                                                                                                                                                                                                                                                                                                                                                                              | 2 to 4 tsp./qt. or 2 to 4 qts. in sufficient water to thoroughly cover acre<br>4 tsp./qt. or 4 qts. in sufficient water to thoroughly cover acre                                                                                                                       |

Buyer's Guarantee Limited to Label Claims  
Manufactured for  
Bonide Chemical Co., Inc., Yorkville, N.Y. 13496



# BONIDE

## SEVIN\* 2 FLOWABLE INSECTICIDE

FOR USE ON ORNAMENTAL PLANTS, FLOWERS,  
SHRUBS, SHADE TREES, VEGETABLES, LAWNS, FRUITS  
AND FOR ADULT MOSQUITO CONTROL.

ACTIVE INGREDIENT  
Carbaryl (1-naphthyl N-methylcarbamate) 22.5%  
INERT INGREDIENTS 77.5%  
\*Trademark of Union Carbide Corp., U.S. Pat. No. 2,903,478  
Contains 2 pounds Sevin\* per gallon

**CAUTION: KEEP OUT OF REACH OF CHILDREN**  
(See side panel cautions)  
**NET CONTENTS 1 GAL.**

BONIDE SEVIN\* 2 FLOWABLE is an extremely fine dispersion of Sevin in water. A dilute spray of SEVIN\* 2 FLOWABLE is tenacious and quick-setting, giving an adhesive residue to plants on partial drying. Sevin is compatible with commonly used insecticides, such as malathion and other organic phosphates and botanicals; also such fungicides as fixed coppers, dithio carbamates, sulphur, Captan, Cyrex, Glyodin, and Phaltan. Sevin does not control spider mites, but is compatible with common miticides. Sevin is unstable under highly alkaline conditions. Do not use with lime, Bordeaux, lime sulphur, casein lime spreaders or other alkaline materials.

### DIRECTIONS FOR USE

**BEFORE USING SHAKE OR STIR WELL.** Pour recommended amount of this material into nearly filled spray tank or premix in a bucket half filled with water. Add balance of water. Maintain agitation during filling and spraying operations. Do not allow mixture to stand. Use a screen not finer than 50 mesh in entire system.

**ADULT MOSQUITO CONTROL** — For optimum control apply in early morning or evening when air is calm and adult mosquitoes are active.

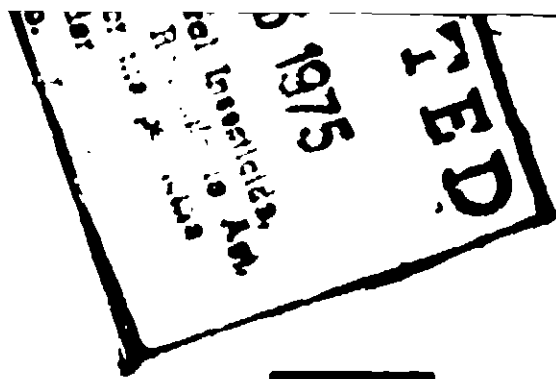
Use 2 qt. per 100 gals. in hydraulic sprayers, or 4 teaspoons per gallon in hand sprayers for treating back yards or other limited areas. Thoroughly cover lower shade tree foliage, shrubbery, flower beds, grass and shaded areas around buildings where adult mosquitoes congregate. Do not apply to water. Repeat at 7 to 10 day intervals or as necessary. Sevin injures Boston Ivy. Do not use on this ornamental.

**NOTE:** Keep children and pets off treated areas until this material is washed into the soil and grass is dry.  
**LAWN** — Ants, chinch bugs, earwigs, fall armyworms, fleas, leafhoppers, mosquitoes, sod webworms (lawn moths), millipeds — Apply 1/4 qt. in 15 to 20 gal. water for each 500 sq. ft. of established lawn area. Use garden hose sprayers or pressure type equipment and apply full water volume to insure good penetration of turf. For best results, mow lawn and apply immediately after rain or watering. Repeat in 2 to 3 weeks if necessary.

**NOTE:** Keep children and pets off treated areas until this material is washed into the soil and grass is dry.  
**ORNAMENTAL PLANTS, FLOWERS, SHRUBS AND SHADE TREES** — Rose, Carnation, Gladiolus, Zinnia, Chrysanthemum, Lilac, Arbor Vitae, Juniper, Hydrangea, Azalea, Elm, Maple, Oak, Dogwood, Birch and Pines. (Do not use on Boston Ivy) — Apply 2 qt. per 100 gal. water. Repeat weekly or as needed to control: Apple aphid, bagworm, birch leaf miner, blister beetles, boxelder leaf miner, elm leaf aphid, elm leaf beetle, flea beetle, gypsy moth, Japanese beetle, June beetle, lace bugs, leafhopper, leaf roller, mealy bugs, mimosa webworm, oak leaf miners, orange tortrix, periodical cicada, plant bugs, puss caterpillars, psyllids, rose aphid, roseslug, scale insects, tent caterpillars, tortoise bugs, thrips (exposed), willow leaf beetles.

**CAUTION:** Harmful if inhaled or swallowed. Avoid breathing of mist. Avoid contact with skin. Wear gloves and long sleeved work clothing. Change to clean clothing daily. Wash hands and face before eating or smoking. Wash thoroughly after handling. Do not contaminate food or feed.

**NOTE TO PHYSICIAN:** Carbaryl is a moderate, reversible, cholinesterase inhibitor. Atropine is antidotal. This product is highly toxic to bees exposed to direct treatment or residues on crops. For protection of honeybees avoid unnecessary use during periods when honeybees are visiting the crop. When necessary to use during such periods, warn beekeepers well in advance to locate hives at a safe distance until one week after application.



# BONIDE

## SEVIN\* 2 FLOWABLE INSECTICIDE

FOR USE ON ORNAMENTAL PLANTS, FLOWERS,  
SHRUBS, SHADE TREES, VEGETABLES, LAWNS, FRUITS  
AND FOR ADULT MOSQUITO CONTROL.

EPA Est. 4 NY-1

EPA Reg. No. 4-237

**ACTIVE INGREDIENT:**

Carbaryl: (1-naphthyl N-methylcarbamate)

22.5%

**INERT INGREDIENTS:**

Trademark of Union Carbide Corp., U.S. Pat. No. 2,903,478  
Contains 2 pounds Sevin\* per gallon

77.5%

**CAUTION: KEEP OUT OF REACH OF CHILDREN**

(See side panel cautions)

**NET CONTENTS 1 GAL.**

BONIDE SEVIN\* 2 FLOWABLE is an extremely fine dispersion of Sevin in water. A dilute spray of SEVIN\* 2 FLOWABLE is tenacious and quick-setting, giving an adhesive residue to plants on partial drying. Sevin is compatible with commonly used insecticides, such as malathion and other organic phosphates and botanicals; also such fungicides as fixed coppers, dithir carbamates, sulphur, Captan, Cyprex, Glyodin, and Phaltan. Sevin does not control spider mites, but is compatible with a common miticides. Sevin is unstable under highly alkaline conditions. Do not use with lime, Bordeaux, lime-sulphur, casein lime spreaders or other alkaline materials.

### DIRECTIONS FOR USE

**BEFORE USING SHAKE OR STIR WELL.** Pour recommended amount of this material into nearly filled spray tank, or pre mix in a bucket half-filled with water. Add balance of water. Maintain agitation during filling and spraying operations. Do not allow mixture to stand. Use a screen not finer than 50 mesh in entire system.

**ADULT MOSQUITO CONTROL** — For optimum control apply in early morning or evening when air is calm and adult mosquitoes are active.

Use 2 qt. per 100 gals. in hydraulic sprayers, or 4 teaspoons per gallon in hand sprayers for treating back yards or other limited areas. Thoroughly cover lower shade tree foliage, shrubbery, flower beds, grass and shaded areas around buildings where adult mosquitoes congregate. Do not apply to water. Repeat at 7 to 10 day intervals or as necessary. Sevin injures Boston Ivy. Do not use on this ornamental.

**NOTE:** Keep children and pets off treated areas until this material is washed into the soil and grass is dry  
**LAWN** — Ants, chinch bugs, earwigs, fall armyworms, fleas, leafhoppers, mosquitoes, sod webworms (lawn moths), millipeds — Apply 1/4 qt. in 15 to 20 gal. water for each 500 sq. ft. of established lawn area. Use garden hose sprayers or pressure type equipment and apply full water volume to insure good penetration of turf. For best results, mow lawn and apply immediately after rain or watering. Repeat in 2 to 3 weeks if necessary.

**NOTE:** Keep children and pets off treated areas until this material is washed into the soil and grass is dry  
**ORNAMENTAL PLANTS, FLOWERS, SHRUBS AND SHADE TREES** — Rose, Carnation, Gladiolus, Zinnia, Chrysanthemum, Lilac, Arbor Vitae, Juniper, Hydrangea, Azalea, Elm, Maple, Oak, Dogwood, Birch and Pines. (Do not use on Boston Ivy) — Apply 2 qt. per 100 gal. water. Repeat weekly or as needed to control: Apple aphid, bagworm, birch leaf miner, blister beetles, boxelder leaf miner, elm leaf aphid, elm leaf beetle, flea beetle, gypsy moth, Japanese beetle, June beetle, lace bugs, leafhopper, leaf roller, mealybugs, mimosa webworm, oak leaf miners, orange tortrix, periodical cicada, plant bugs, puss caterpillars, psyllids, rose aphid, roseslug, scale insects, tent caterpillars, ~~tern~~ bugs, thrips (exposed), willow leaf beetles.

**CAUTION:** Harmful if inhaled or swallowed. Avoid breathing of mist. Avoid contact with skin. Wear gloves and long sleeved work clothing. Change to clean clothing daily. Wash hands and face before eating or smoking. Wash thoroughly after handling. Do not contaminate food or feed.

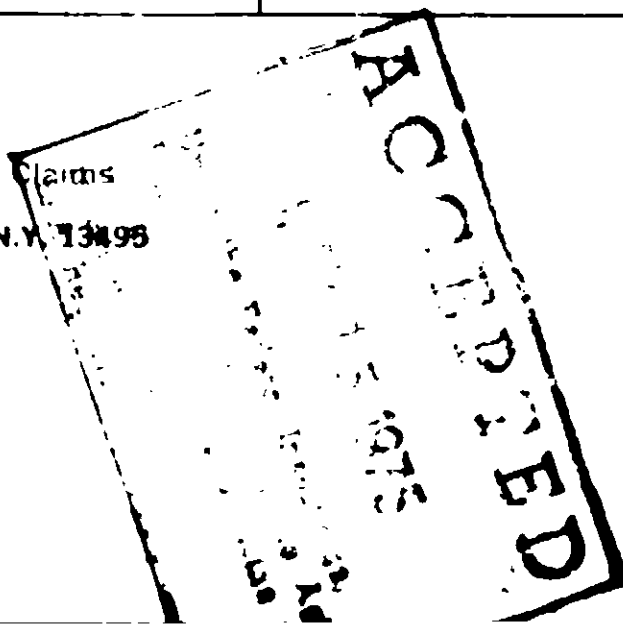
**NOTE TO PHYSICIAN:** Carbaryl is a moderate, reversible, cholinesterase inhibitor. Atropine is antidotal. This product is highly toxic to bees exposed to direct treatment or residues on crops. For protection of honeybees avoid unnecessary use during periods when honeybees are visiting the crop. When necessary to use during such periods, warn beekeepers well in advance to locate hives at a safe distance until one week after application.

Rinse spray equipment and containers. Discharge liquid waste in pit in non-crop lands located away from water supplies. Do not reuse empty container. Destroy by burning or bury in a safe place.

| FRUIT                                                                                                                                                                                                | INSECTS                                                                                                                                                                                                                                                                                                                                                                                                             | WHEN TO APPLY                                                                                                                                                                                                                                                                                                                                                                                  | AMOUNT                                                                                              |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|
| APPLES, PEARS                                                                                                                                                                                        | apple mealybug, codling moth, green apple aphid, white apple leafhopper                                                                                                                                                                                                                                                                                                                                             | Make first application before green tips of leaves appear. Repeat at 10 day intervals, up to bloom. Do not spray for thirty days from start of bloom, or thinning may occur. Resume spraying at 14 day intervals.                                                                                                                                                                              | 1 tsp /1 qt. or 1 qt /100 gals water                                                                |
|                                                                                                                                                                                                      | aphids (rosy, apple, wooly apple), apple maggot, bagworm, eastern tent caterpillar, European apple sawfly, eye spotted bud moth, fruit tree leaf roller, green fruitworm, Japanese beetle, mites (apple, rust, pear, leaf blister, pear rust), pear psylla, periodical cicada, plum curculio, red banded leaf roller, scales (Forbes, Lecanium, Oyster shell, San Jose), tarnished plant bug, tentiform leaf miners | May cause foliar injury if used before second cover on York and McIntosh apples. Do not apply within 1 day of harvest.                                                                                                                                                                                                                                                                         | 2 tsp /1 gal or 2 qts /100 gals water                                                               |
|                                                                                                                                                                                                      | APPLE THINNING                                                                                                                                                                                                                                                                                                                                                                                                      | Easily thinned varieties — Apply in one spray timed between 10 and 25 days after full bloom, to fully cover tree.<br><br>Hard to thin varieties — apply as above                                                                                                                                                                                                                               | 1½ to 1 tsp /1 gal or ½ to 1 qts /100 gals.<br><br>1 to 2 tsp /1 gal, or 1 to 2 qts /100 gals water |
| APRICOTS, NECTARINES                                                                                                                                                                                 | codling moth, cucumber beetle, European earwig, fruit tree leaf roller, Japanese beetle, June beetles, lesser peach tree borer, periodical cicada, platnota flavenda, plum curculio, red-banded leaf roller, scales (Lecanium, Olive, San Jose), tarnished plant bug, tussock moth                                                                                                                                  | Make first application when insects appear or damage is observed. Repeat as necessary. For optimum scale control apply when crawlers are present. For lesser peach tree borer control, spray limbs and trunk thoroughly weekly during moth flight. Do not apply within 1 day of harvest of peaches, 3 days of apricots and nectarines.                                                         | 2 tsp /1 qt. or 2 qts /100 gals water                                                               |
| BLACKBERRIES, BOYSENBERRIES, DEWBERRIES                                                                                                                                                              | Japanese beetle, raspberry aphid                                                                                                                                                                                                                                                                                                                                                                                    | Apply as to thoroughly cover both upper and lower leaves of plants. Do not apply within 7 days of harvest.                                                                                                                                                                                                                                                                                     | Use 4 qts. per acre. A dilute spray of 100-200 gals water per acre is suggested.                    |
| BLUEBERRIES                                                                                                                                                                                          | blueberry maggot, European fruit lecanium, fruitworms (cherry, cranberry), Japanese beetle                                                                                                                                                                                                                                                                                                                          | Apply 3 weeks before harvest, and repeat 10 days later or as necessary.                                                                                                                                                                                                                                                                                                                        | Use 3 to 4 qts per acre in 125 /150 gals water                                                      |
| CHERRIES, PLUMS, PRUNES                                                                                                                                                                              | aphids (black cherry, mealy plum), cherry fruit fly, cherry fruitworm, eye spotted bud moth, fruit tree leaf roller, Japanese beetle, lesser peach tree borer, peach twig borer, plum curculio, prune leafhopper, red-banded leaf roller, scales (brown, soft, Forbes, Lecanium, Oyster shell, San Jose)                                                                                                            | Start and repeat at 7 day intervals until bloom. Repeat at 14 day intervals up to 1 day of harvest.<br><br>For optimum scale control, apply when crawlers are present. For lesser peach tree borer control, spray limbs and trunk thoroughly, weekly during moth flight.                                                                                                                       | 2 tsp /1 qt or 2 qts /100 gals water                                                                |
|                                                                                                                                                                                                      | codling moth, eastern tent caterpillar, orange tortrix, tussock moth                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                | 1½ tsp /1 qt. or 1½ qts /100 gals water                                                             |
| CRANBERRIES                                                                                                                                                                                          | cutworms, fireworms, fruitworms, Japanese beetle, leafhopper                                                                                                                                                                                                                                                                                                                                                        | Apply in late bloom and as needed at 7 to 10 day intervals. Do not apply within 1 day of harvest.                                                                                                                                                                                                                                                                                              | Use 1 to 2 tsp /1 qt or 3 to 6 qts /300 gals water per acre                                         |
| GRAPES                                                                                                                                                                                               | European fruit lecanium, grape leaf skeletonizer                                                                                                                                                                                                                                                                                                                                                                    | Apply just before first brood leaf folder larvae emerge from rolls, and as needed for leafhoppers.                                                                                                                                                                                                                                                                                             | Use 1 to 2 tsp /qt. or 2 to 4 qts /200 gals water per acre                                          |
|                                                                                                                                                                                                      | grape berry moth, Japanese beetle, June beetle, red banded leaf roller                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                | Use 2 tsp /qt or 4 qts /200 gals water per acre                                                     |
| STRAWBERRIES                                                                                                                                                                                         | meadow spittlebug, strawberry leaf roller, strawberry weevil                                                                                                                                                                                                                                                                                                                                                        | Use as above up to 1 day of harvest.                                                                                                                                                                                                                                                                                                                                                           | Use 1 to 2 tsp /1 qt or 2 to 4 qts /100-200 gals water per acre                                     |
| FIELD AND VEGETABLE CROPS                                                                                                                                                                            | INSECTS                                                                                                                                                                                                                                                                                                                                                                                                             | WHEN TO APPLY                                                                                                                                                                                                                                                                                                                                                                                  | AMOUNT                                                                                              |
| ASPARAGUS                                                                                                                                                                                            | asparagus beetle                                                                                                                                                                                                                                                                                                                                                                                                    | On seedlings or spears start to apply when insects or their damage appear. Do not apply more often than once every 3 days up to within 1 day of harvest.                                                                                                                                                                                                                                       | 2 to 4 tsp /qt. or 2 to 4 qts in sufficient water to thoroughly cover acre                          |
|                                                                                                                                                                                                      | asparagus apache cicada beetle                                                                                                                                                                                                                                                                                                                                                                                      | On ferns and brush growth use as post harvest spray.                                                                                                                                                                                                                                                                                                                                           | 4 to 8 tsp /qt or 4 to 8 qts in sufficient water to thoroughly cover acre                           |
| BEANS (Green, Lima, Snap, Cowpeas, Blackeye Peas)                                                                                                                                                    | Mexican bean beetle, flea beetle, leaf hopper                                                                                                                                                                                                                                                                                                                                                                       | Apply when insects or their damage appear and repeat at 7 to 14 day intervals or as necessary, unless shorter interval is specified.                                                                                                                                                                                                                                                           | 1 to 2 tsp /qt or 1 to 2 qt /100 gals water                                                         |
|                                                                                                                                                                                                      | bean leaf beetle, cucumber beetle, Japanese beetle, velvet bean caterpillar, western bean cutworm                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                | 2 tsp /qt or 2 qts in sufficient water to thoroughly cover acre                                     |
|                                                                                                                                                                                                      | armyworm, cutworm, corn earworm, stink bugs, tarnished plant bugs                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                | 2 to 3 tsp /qt. or 2 to 3 qts in sufficient water to thoroughly cover acre                          |
|                                                                                                                                                                                                      | cowpea curculio (on cowpeas only)                                                                                                                                                                                                                                                                                                                                                                                   | Apply 4 applications, beginning at first bloom and at 5 day intervals thereafter.                                                                                                                                                                                                                                                                                                              | 4 tsp /qt. or 4 qts in sufficient water to thoroughly cover acre                                    |
| CARROTS, CHINESE CABBAGE, COLLARDS, DANDELION, ENDIVE, (ESCAROLE), GARDEN BEETS, HORSE RADISH, KALE, LETTUCE, MUSTARD, GREENS, PARSLEY, PARSNIPS, RADISHES, RUTABAGAS, SALSIFY, SWISS CHARD, TURNIPS | flea beetle, harlequin bug, leafhopper                                                                                                                                                                                                                                                                                                                                                                              | Apply on a 7 day schedule up to 14 days of harvest on leafy vegetables (Chinese cabbage, collards, dandelion, endive, (escarole), garden beet tops, kale, leaf lettuce, mustard greens, parsley, salsify (tops), swiss chard and turnip (tops), 3 days for root vegetables (beet, horseradish, parsnip, radish, rutabaga, salsify, turnips and head lettuce. Do not apply to lettuce when wet. | 1 to 2 tsp /qt. or 1 to 2 qts in sufficient water to thoroughly cover acre                          |
|                                                                                                                                                                                                      | six spotted leafhopper (Aster yellow, vector)                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                | 2 to 3 tsp /qt. or 2 to 3 qts in sufficient water to thoroughly cover acre                          |
|                                                                                                                                                                                                      | armyworms, imported cabbage worms, cabbage looper, corn earworm, tarnished plant bug, stink bug                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                | 2 to 4 tsp /qt. or 2 to 4 qts in sufficient water to thoroughly cover acre                          |
| BROCCOLI, BRUSSELS SPROUTS, CABBAGE, CAULIFLOWER, KOHLRABI                                                                                                                                           | flea beetles, harlequin bug                                                                                                                                                                                                                                                                                                                                                                                         | Apply on a 7 day schedule. Do not apply within 3 days of harvest.                                                                                                                                                                                                                                                                                                                              | 1 to 2 tsp /qt or 1 to 2 qts in sufficient water to thoroughly cover acre                           |
|                                                                                                                                                                                                      | armyworms, imported cabbage worm, cabbage looper, corn earworms                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                | 2 to 4 tsp /qt. or 2 to 4 qts in sufficient water to thoroughly cover acre                          |
| CORN                                                                                                                                                                                                 | corn earworm, corn rootworm adults, European corn borer, fall armyworm, Japanese beetle, sap beetles                                                                                                                                                                                                                                                                                                                | For larvae in whorl (budworm damage) and foliage feeders, apply to entire plant. Repeat as necessary for insects attack.                                                                                                                                                                                                                                                                       | 2 to 4 tsp /qt. or 2 to 4 qts in sufficient water to thoroughly cover acre                          |

|                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                           |
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| BLACKBERRIES,<br>BOYSENBERRIES,<br>DEWBERRIES                                                                                                                                                       | Japanese beetle, raspberry aphid                                                                                                                                                                                                                                                                                                                                                 | Apply as to thoroughly cover both upper and lower leaves of plants. Do not apply within 7 days of harvest.                                                                                                                                                                                                                                                                                   | Use 4 qts. per acre. A dilute spray of 100-200 gals. water per acre is suggested.                                                                                                                                                                                         |
| BLUEBERRIES                                                                                                                                                                                         | blueberry maggot, European fruit lecanium, fruitworms (cherry, cranberry), Japanese beetle                                                                                                                                                                                                                                                                                       | Apply 3 weeks before harvest, and repeat 10 days later or as necessary.                                                                                                                                                                                                                                                                                                                      | Use 3 to 4 qts. per acre in 125-150 gals. water.                                                                                                                                                                                                                          |
| CHERRIES, PLUMS,<br>PRUNES                                                                                                                                                                          | aphids (black cherry, mealy plum), cherry fruit fly, cherry fruitworm, eye spotted bud moth, fruit tree leaf roller, Japanese beetle, lesser peach tree borer, peach twig borer, plum curculio, prune leaf hopper, red banded leaf roller, scales (brown soft, Forbes, Lecanium, Oyster shell, San Jose)<br>codling moth, eastern tent caterpillar, orange tortrix, tussock moth | Start and repeat at 7 day intervals until bloom. Repeat at 14 day intervals up to 1 day of harvest.<br><br>For optimum scale control, apply when crawlers are present. For lesser peach tree borer control, spray limbs and trunk thoroughly, weekly during moth flight.                                                                                                                     | 2 tsp./1 qt. or 2 qts./100 gals. water<br><br>1 1/2 tsp./1 qt. or 1 1/2 qts./100 gals. water                                                                                                                                                                              |
| CRANBERRIES                                                                                                                                                                                         | cutworms, fireworms, fruitworms, Japanese beetle, leafhopper                                                                                                                                                                                                                                                                                                                     | Apply in late bloom and as needed at 7 to 10 day intervals. Do not apply within 1 day of harvest.                                                                                                                                                                                                                                                                                            | Use 1 to 2 tsp./1 qt. or 1 to 2 qts./100 gals. water per acre.                                                                                                                                                                                                            |
| GRAPES                                                                                                                                                                                              | European fruit lecanium, grape leaf skeletonizer<br>grape berry moth, Japanese beetle, June beetle, red banded leaf roller                                                                                                                                                                                                                                                       | Apply just before first brood leaf folder larvae emerge from rolls, and as needed for leafhoppers.                                                                                                                                                                                                                                                                                           | Use 1 to 2 tsp./qt. or 2 to 4 qts./200 gals. water per acre.<br>Use 2 tsp./qt. or 4 qts./200 gals. water per acre.                                                                                                                                                        |
| STRAWBERRIES                                                                                                                                                                                        | meadow spittlebug, strawberry leaf roller, strawberry weevil                                                                                                                                                                                                                                                                                                                     | Use as above, up to 1 day of harvest.                                                                                                                                                                                                                                                                                                                                                        | Use 1 to 2 tsp./1 qt. or 1 to 4 qts./100-200 gals. water per acre.                                                                                                                                                                                                        |
| FIELD AND VEGETABLE CROPS                                                                                                                                                                           | INSECTS                                                                                                                                                                                                                                                                                                                                                                          | WHEN TO APPLY                                                                                                                                                                                                                                                                                                                                                                                | AMOUNT                                                                                                                                                                                                                                                                    |
| ASPARAGUS                                                                                                                                                                                           | asparagus beetle<br>asparagus, apache cicada beetle                                                                                                                                                                                                                                                                                                                              | On seedlings or spears, start to apply when insects or their damage appear. Do not apply more often than once every 3 days up to within 1 day of harvest.<br>On ferns and brush growth, use as post harvest spray.                                                                                                                                                                           | 2 to 4 tsp./qt. or 2 to 4 qts. in sufficient water to thoroughly cover acre.<br>4 to 8 tsp./qt. or 4 to 8 qts. in sufficient water to thoroughly cover acre.                                                                                                              |
| BEANS (Green, Lima, Snap, Cowpeas, Blackeyed Peas)                                                                                                                                                  | Mexican bean beetle, flea beetle, leaf hopper<br>bean leaf beetle, cucumber beetle, Japanese beetle, velvet bean caterpillar, western bean cutworm<br>armyworm, cutworm, corn earworm, stink bugs, tarnished plant bugs<br>cowpea curculio (on cowpeas only)                                                                                                                     | Apply when insects or their damage appear and repeat at 7 to 14 day intervals or as necessary, unless shorter interval is specified.<br><br>Apply 4 applications, beginning at first bloom and at 5 day intervals thereafter.                                                                                                                                                                | 1 to 2 tsp./qt. or 1 to 2 qt./100 gals. water<br>2 tsp./qt. or 2 qts. in sufficient water to thoroughly cover acre.<br>2 to 3 tsp./qt. or 2 to 3 qts. in sufficient water to thoroughly cover acre.<br>4 tsp./qt. or 4 qts. in sufficient water to thoroughly cover acre. |
| CARROTS, CHINESE CABBAGE, COLLARDS, DANDELION, ENDIVE, (ESCAROLE), GARDEN BEETS, HORSE RADISH, KALE, LETTUCE, MUSTARD GREENS, PARSLEY, PARSNIPS, RADISHES, RUTABAGAS, SALSIFY, SWISS CHARD, TURNIPS | flea beetle, harlequin bug, leafhopper<br>six-spotted leafhopper (Aster yellows vector)<br>armyworms, imported cabbage worms, cabbage looper, corn earworm, tarnished plant bug, stink bug                                                                                                                                                                                       | Apply on a 7 day schedule, up to 14 days of harvest on leafy vegetables (Chinese cabbage, collards, dandelion endive, escarole, garden beet tops, kale, leaf lettuce, mustard greens, parsley, salsify (tops), swiss chard and turnip (tops); 3 days for root vegetables (beet, horseradish, parsnip, radish, rutabaga, salsify, turnips and head lettuce. Do not apply to lettuce when wet. | 1 to 2 tsp./qt. or 1 to 2 qts. in sufficient water to thoroughly cover acre.<br>2 to 3 tsp./qt. or 2 to 3 qts. in sufficient water to thoroughly cover acre.<br>2 to 4 tsp./qt. or 2 to 4 qts. in sufficient water to thoroughly cover acre.                              |
| BROCCOLI, BRUSSELS SPROUTS, CABBAGE, CAULIFLOWER, KOHLRABI                                                                                                                                          | flea beetles, harlequin bug<br>armyworms, imported cabbage worm, cabbage looper, corn earworms                                                                                                                                                                                                                                                                                   | Apply on a 7 day schedule. Do not apply within 3 days of harvest.                                                                                                                                                                                                                                                                                                                            | 1 to 2 tsp./qt. or 1 to 2 qts. in sufficient water to thoroughly cover acre.<br>2 to 4 tsp./qt. or 2 to 4 qts. in sufficient water to thoroughly cover acre.                                                                                                              |
| CORN                                                                                                                                                                                                | corn earworm, corn rootworm adults, European corn borer, fall armyworm, Japanese beetle, sap beetles<br>cutworms                                                                                                                                                                                                                                                                 | For larvae in hole (budworm damage) and foliage feeders, apply to entire plant. Repeat as necessary. For insects attacking silks and ears, apply at 2 to 3 day intervals starting when first silks appear and continuing until silks begin to dry.                                                                                                                                           | 2 to 4 tsp./qt. or 2 to 4 qts. in sufficient water to thoroughly cover acre.<br>4 tsp./qt. or 4 qts. in sufficient water to thoroughly cover acre.                                                                                                                        |
| CUCUMBERS, MELONS, PUMPKINS, SQUASH                                                                                                                                                                 | melonworm, pickleworm, cucumber beetle, squash bug, flea beetle, leafhopper                                                                                                                                                                                                                                                                                                      | Apply when insects or their damage appear and repeat at 7 to 14 day intervals or as necessary. Do not apply when foliage is wet on cucumbers, melons, pumpkins, squash.                                                                                                                                                                                                                      | 1 to 2 tsp./qt. or 1 to 2 qts. in sufficient water to thoroughly cover acre.                                                                                                                                                                                              |
| POTATOES, TOMATOES, EGGPLANTS, PEPPERS                                                                                                                                                              | Colorado potato beetle, flea beetle, leaf hopper<br>fall armyworms, lace bugs, stink bugs, tarnished plant bugs, tomato fruitworm, tomato hornworm<br>cutworms (on potato, tomato, eggplant)                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                              | 1 to 2 tsp./qt. or 1 to 2 qts. in sufficient water to thoroughly cover acre.<br>2 to 4 tsp./qt. or 2 to 4 qts. in sufficient water to thoroughly cover acre.<br>4 tsp./qt. or 4 qts. in sufficient water to thoroughly cover acre.                                        |

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