

COLORADO POTATO BEETLE BEATER CONCENTRATE

- **DO-IT-YOURSELF HOME GARDEN INSECT CONTROL.**



FOR USE IN ORGANIC GARDENING

- **MAKES UP TO 8 GALLONS OF SPRAY.**
- **NO ODOR WATER-BASED FORMULA.**
- **LEAVES NO OILY RESIDUE.**

SHAKE WELL BEFORE USE - AVOID FREEZING

Store and transport in an upright position.

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DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Read all Directions for Use carefully before applying.

For residential use in home gardens, lawns and ornamentals. Not for use on plants being grown for sale or other commercial use, or for commercial seed production, or for research purposes.

This product is intended for control of worms (caterpillars) and other listed insects. This product does not significantly impact predatory beneficial insects, predatory mites, and spiders while controlling target pests. Susceptible insect pests may be observed on plants up to several hours after treatment, but will have ceased active feeding before being killed.

HOW TO MIX

Add the required amount of this product to the specified amount of water, mix thoroughly, and apply uniformly to both upper and lower surfaces of plant foliage. Mix only as much spray as needed for a single treatment. In vegetable gardens, for best results, do not use more than 3 gallons of spray for 1000 sq ft of area. Do not use kitchen utensils for measuring. Keep measuring utensils with product and away from children.

Unit of Measure*	Amount of this product to Use per Pint, Quart or Gallon of Spray		
	Per Pint (16 fl oz) of Spray	Per Quart (32 fl oz) of Spray	Per Gallon (128 fl oz) of Spray
Fluid Ounces (fl oz)	0.25 fl oz	0.5 fl oz	2.0 fl oz
Milliliters (mL)	7.5 mL	15 mL	60 mL
Tablespoons (Tbs)	½ Tbs	1 Tbs	4 Tbs
Teaspoons (tsp)	1 ½ tsp	3 tsp	12 tsp

* Conversion factors: 1 fl oz = 30 mL = 2 tablespoons (Tbs) = 6 teaspoons (tsp)
(1 teaspoon = 1/3 tablespoon)

HOW TO APPLY

Shake Well Before Use. This product may be applied with trigger sprayer, hand-held, backpack, or hose-end sprayers. Use a hose-end sprayer that can be adjusted to provide a dilution ratio of about 2 fl oz of this product (4 Tbs) per gallon of spray.

WHEN TO APPLY

Apply when listed pests are present. Repeat applications may be made as indicated in the Home Gardens section. See your state extension service recommendations for treatment guidelines in your area.

HOME GARDENS

In the state of Georgia, do not apply this product to: Broccoli Raab, Chinese Cabbage (Bok Choy), Collards, Kale, Mizuna, Mustard Greens, Mustard Spinach, Rape Greens.

Crops	Pests Controlled	Maximum Number of Applications per Calander Year	Minimum Days to Wait Before Reapplying	Minimum Days to Wait from Last Application to Harvest
apple and other pome fruits including crabapples, loquat, mayhaw, pears, and quince	codling moth, European grapevine moth, leafminers, leafrollers, light brown apple moth, Oriental fruit moth, tufted apple budmoth	6	10	7
asparagus (post-harvest to protect ferns)	asparagus beetles	3	7	60
bulb vegetables including dry bulb onion, garlic, great-headed (elephant) garlic, green onion, leek, shallot, and welch onion	armyworms, dipteran leafminers, European corn borer, flea beetle, loopers, thrips (suppression)	5	4	1
bushberries including blueberry, currant, elderberry,	armyworms, European grapevine moth, fireworms, fruitfly	6	6	3

Crops	Pests Controlled	Maximum Number of Applications per Calander Year	Minimum Days to Wait Before Reapplying	Minimum Days to Wait from Last Application to Harvest
gooseberry, huckleberry, juneberry, lingonberry, and salal	(suppression), fruitworms, leafrollers, light brown apple moth, loopers, thrips			
caneberries including black berry, black raspberry, loganberry, red raspberry, and cultivars and/or hybrids of these	armyworms, European grapevine moth, fireworms, fruitworms, leafrollers, light brown apple moth, loopers, sawfly	6	5	1
citrus trees including grapefruit, lemons, limes, oranges, and tangerines (to prevent fruit scaring from thrips, treat when fruit is marble size)	katydids, leafminers, thrips, worms (caterpillars)	6	6	1
cole crops (Brassica vegetables) including broccoli, broccoli raab, Brussels sprouts, cabbage, cauliflower, cavalo, Chinese broccoli, Chinese cabbage (bok choy), Chinese cabbage (napa), Chinese	armyworms, cabbage looper, diamondback moth, flea beetle (suppression), imported cabbage worm, leafminers, thrips, worms (caterpillars)	6	4	1

Crops	Pests Controlled	Maximum Number of Applications per Calander Year	Minimum Days to Wait Before Reapplying	Minimum Days to Wait from Last Application to Harvest
mustard cabbage (gai choy), collards, kale, kohlrabi, mustard greens, mustard spinach, and rape greens				
cucurbits including cucumber, edible gourds, muskmelons (cantaloupe, honeydew, etc.), pumpkin, summer and winter squash, and watermelon	armyworm, leafminers, loopers, thrips, worms (caterpillars)	6	5	all except cucumber, 3 cucumber, 1
dates	carob moth	3	7	7
fruiting vegetables including eggplant, groundcherry, okra, pepino, pepper, tomatillo, and tomato	Colorado potato beetle, European corn borer, flea beetle, leafminers, loopers, thrips, worms (caterpillars)	6	4	1
grape	European grapevine moth, leafrollers, light brown apple moth, thrips, worms (berry moth)	6	5	7
leafy and dried herbs including angelica, balm, basil, camomile, catnip, chervil (dried), chive,	leafminers, loopers, thrips, worms (caterpillars)	5	5	1

Crops	Pests Controlled	Maximum Number of Applications per Calendar Year	Minimum Days to Wait Before Reapplying	Minimum Days to Wait from Last Application to Harvest
chive (Chinese), cilantro, cilantro (leaf), coriander (leaf), dillweed, horehound, hyssop, lavender, lemongrass, lovage (leaf), marigold, marjoram, nasturtium, parsley (dried), pennyroyal, rosemary, rue, sage, savory (summer and winter), sweet bay, tarragon, thyme, wintergreen				
leafy vegetables including amaranth, arugula, celery, chervil, Chinese celery, Chinese spinach, corn salad, dandelion, dock, edible-leaved chrysanthemum, head lettuce, leaf lettuce, leafy amaranth, New Zealand spinach, orach, parsley, rhubarb, spinach, Swiss chard, vine spinach, watercress, winter cress, winter purslane, and yellow rocket	diamond-back moth, leafminers, loopers, thrips, worms (caterpillars)	6	4	1
leaves of root and tuber vegetables including bitter cassava, carrot, celeriac (celery root), dasheen (taro), edible burdock, garden beet,	diamond-back moth, leafminers, loopers, thrips,	6	4	1

Crops	Pests Controlled	Maximum Number of Applications per Calander Year	Minimum Days to Wait Before Reapplying	Minimum Days to Wait from Last Application to Harvest
oriental radish (daikon), parsnip, radish, sugar beet, sweet cassava, sweet potato, true yam, turnip, turnip greens, and turnip-rooted chervil	worms (caterpillars)			
peppermint and spearmint	armyworms, cutworms, leafminers, loopers, thrips (suppression)	4	4	7
pomegranate	fruit fly, leafrollers, moths, naval orangeworm, peach twig borer, thrips	3	10-14	7
potatoes, tuberous and corm vegetables including arracacha, arrowroot, artichoke, bitter cassava, chayote root, Chinese artichoke, chufa, dasheen, edible canna, ginger, Jerusalem artichoke, leren, potato, sweet cassava, sweet potato, tanier, true yam, turmeric, and yam bean	artichoke plume moth, Colorado potato beetle, corn borers, leafminers, loopers, thrips, worms (caterpillars)	6	7	artichoke, 2 all others, 7

Crops	Pests Controlled	Maximum Number of Applications per Calander Year	Minimum Days to Wait Before Reapplying	Minimum Days to Wait from Last Application to Harvest
root vegetables including black salsify, carrot, celeriac, chicory, edible burdock, garden beet, ginseng, horseradish, oriental radish, parsnip, radish, rutabaga, salsify, skirret, Spanish salsify, sugar beet, turnip, turnip-rooted chevil, turnip-rooted parsley	armyworms, European corn borer, flea beetle, leafminers, loopers, thrips	3	7	3
spices including allspice, anise (seed), black caraway, caper (buds), caraway, cardamom, cassia (buds), celery (seed), cinnamon, clove (buds), common fennel, coriander (seed), culantro (seed), cumin, dill (seed), Florence fennel (seed), juniper (berry), mustard (seed), nutmeg, poppy (seed), star anise, vanilla, and white pepper	flea beetle, leafminers, thrips	5	10	14
stone fruits including apricot, cherries, nectarine, peach, plum, and prune	borers, European grapevine moth, fruit flies, fruitworm, leafminers,	6	7	apricot, all except cherry, peach, plum, prune, nectarine, 14 cherry,

Crops	Pests Controlled	Maximum Number of Applications per Calander Year	Minimum Days to Wait Before Reapplying	Minimum Days to Wait from Last Application to Harvest
	leafrollers, light brown apple moth, oriental fruit moth, thrips, worms (caterpillars)			plum, prune, 7 nectarine, peach, 1
strawberry	armyworms, European grapevine moth, leafrollers, light brown apple moth, thrips	5	5	1
succulent and dried beans and peas including adzuki bean, blackeyed pea, chickpea, edible-pod pea, English pea, fava bean, field bean, garbanzo bean, garden pea, green pea, kidney bean, lentil, lima bean, lupins, mungbean, navy bean, pigeon pea, pinto bean, runner bean, snap bean, snow pea, sugar snap pea, wax bean, and yardlong bean runner bean, snap bean, snow pea, sugar snap pea, tepary bean, wax bean, and yardlong bean	borers, leafminers, loopers, thrips, worms (caterpillars)	6	5	succulent, 3 dried, 28

Crops	Pests Controlled	Maximum Number of Applications per Calander Year	Minimum Days to Wait Before Reapplying	Minimum Days to Wait from Last Application to Harvest
sweet corn and popcorn (for earworms, treat silk frequently as it grows)	corn borers, earworm, worms (caterpillars)	6	3	1
tree nuts including almonds, cashew, chestnut, filbert (hazelnut), macadamia, pecans, pistachio, and walnuts	codling moth, filbert worm, husk fly (suppression), leafrollers, light brown apple moth, navel orangeworms, peach twig borer, pecan nut casebearer, redhumped caterpillar, shuckworms, webworms	5	7	1
tropical tree fruits including acerola, atemoya, avocado, black sapote, cherimoya, custard apple, feijoa, guava, ilama, jaboticaba, lychee, mango, papaya, passionfruit, Spanish lime, star apple, starfruit, sugar apple, wax jambu (wax apple), and white sapote	suppression of European grapevine moth, katydids, light brown apple moth, thrips, worms (caterpillars)	4	7	1
all crops listed in this table	fire ants	See application directions below		

Individual fire ant mounds: Mix the amount of this product specified per gallon of spray and use a sprinkler can or similar device to apply the diluted spray as a mound drench, using 1 to 2 gallons per mound. Do not use pressurized sprays. Apply about 10% of the spray volume around the perimeter of the mound and the remainder directly to the mound. Do not disturb fire ant mound prior to application. If possible, apply following recent rainfall. For best results apply when weather is cool, 65 to 85° F, or in early morning or late evening.

STORAGE AND DISPOSAL

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

Pesticide Storage: Store in original container only in secure or locked storage area.

Container Handling: Nonrefillable container. Do not reuse or refill this container.

If empty: 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.

PRECAUTIONARY STATEMENTS: Environmental Hazards

This product is toxic to bees exposed to treatment for 3 hours following treatment. Do not apply this pesticide to blooming, pollen-shedding or nectar-producing parts of plants if bees may forage on the plants during this time period. This product is toxic to aquatic invertebrates. To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area. Rinsing application equipment over the treated area will help avoid run off to water bodies or drainage systems.

TERMS AND CONDITIONS OF USE

If terms of the following Warranty Disclaimer, Inherent Risks of Use, and Limitation of Remedies are not acceptable, return unopened package at once to the seller for a full refund of purchase price paid. Otherwise, use by the buyer or any other user constitutes acceptance of the terms under Warranty Disclaimer, Inherent Risks of Use and Limitation of Remedies.

WARRANTY DISCLAIMER

Seller warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in strict accordance with the directions, subject to the inherent risks set forth below. TO THE EXTENT PERMITTED BY LAW, SELLER MAKES NO OTHER EXPRESS NOR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.

INHERENT RISKS OF USE

It is impossible to eliminate all risks associated with use of this product. Plant injury, lack of performance, or other unintended consequences may result because of such factors as use of the product contrary to label instructions (including conditions noted on the label, such as unfavorable temperature, soil conditions, etc.), abnormal conditions (such as excessive rainfall, drought, tomatoes, hurricanes), presence of other materials, the manner of application, or other factors, all of which are beyond the control of Seller. All such risks shall be assumed by Buyer.

LIMITATION OF REMEDIES

To the extent permitted by law, the exclusive remedy for losses or damages resulting from this product (including claims based on contract, negligence, strict liability, or other legal theories), shall be limited to, at Seller's election, one of the following:

1. Refund of purchase price paid by buyer or user for product bought, or
2. Replacement of amount of product used.

To the extent permitted by law, Seller shall not be liable for losses or damages resulting from handling or use of this product unless Seller is promptly notified of such loss or damage in writing. In no case shall Seller be liable for consequential or incidental damages or losses.

The terms of the Warranty Disclaimer, Inherent Risks of Use, and Limitation of Remedies cannot be varied by any written or verbal statements or agreements. No employee or sales agent of the Seller or the seller is authorized to vary or exceed the terms of the Warranty Disclaimer or Limitation of Remedies in any manner.