

AEGIS WP

(FUNGI BASED BIO-INSECTICIDE)

INTRODUCTION:

Aegis is unique product which contains naturally occurring fungus *Beauveria bassiana*. Aegis is recommended for the control of Sucking Pest Like Aphids, Thrips, Whitefly, Mealy bugs, Jassids, Termites, Grubs, Beetles, American Bollworm & other larval pests including caterpillars on all types of agricultural crops and Garden plants.

COMPOSITION:

Component	Content (% w/w)
<i>Beauveria bassiana</i> strain GHA (2X10 ⁹ CFU/gm)	: 4.00
Adjuvants and inserts	: 96.00

BIOLOGICAL PROPERTIES:

Mode of action:

- **Contact:** Spores of *Beauveria bassiana* come into contact with the insect host.
- **Infection:** Spores germinate and penetrate the insect's cuticle.
- **Internal Growth:** The fungus grows inside the insect, consuming nutrients and producing toxins.
- **Death:** The host insect dies, covered in a white mold that produces new spores.
- **Sporulation:** New spores are released to infect other insects.
- **Time of action:** Products take 7-8 days for initial action.

ADVANTAGE OF AEGIS:

- **Natural Control:** As a biological control agent, *Beauveria bassiana* offers an environmentally friendly alternative to chemical pesticides.
- **Broad Spectrum:** Effective against a wide range of pests, reducing the need for multiple products.
- **Safety:** Generally safe for beneficial insects, humans, and animals when used as directed.

RECOMMENDATIONS:

Crop	Pests	Dosages (g/ha)	Dilution in water (liters)	PHI (days)
ROOT AND TUBER VEGETABLES: Arracacha; arrowroot; artichoke, Chinese; artichoke, Jerusalem; beet, garden; beet, sugar; burdock, edible; canna, edible; carrot; cassava, bitter and sweet; celeriac (celery root); chayote (root); chervil, turnip-rooted; chicory; chufa; dasheen (taro); ginger; ginseng; horseradish; leren; parsley, turnip-rooted; parsnip; potato; radish; radish, oriental (daikon); rutabaga; salsify (oyster plant); salsify, black; salsify, Spanish; skirret; sweet potato; tanier (cocoyam); turmeric; turnip; yam bean (jicama, manioc pea); yam, true	Sucking Pest Like Aphids, Thrips, Whitefly, Mealy bugs, Jassids, Termites, Grubs, Beetles, American Bollworm & other larval pests including caterpillars.	1900-2000 (In case of extreme insect pressure products should be applied @3500gms/ha).	400-450	0 day
BULB VEGETABLES: Chive, fresh leaves; chive, Chinese, fresh leaves; daylily, bulb; elegans hosta; fritillaria, bulb; fritillaria, leaves; garlic, bulb; garlic, great-headed, bulb; garlic, serpent, bulb; kurrat; lady's leek; leek; leek, wild; lily, bulb; onion, Beltsville bunching; onion, bulb; onion, Chinese, bulb; onion, fresh; onion, green; onion, macrostem; onion, pearl; onion, potato, bulb; onion, tree, tops; onion, Welsh, tops; shallot, bulb; shallot, fresh leaves; cultivars, varieties, and/or hybrids of these				
LEAFY VEGETABLES: Amaranth, Chinese; amaranth, leafy; arugula; aster, Indian; blackjack; broccoli, Chinese; broccoli raab; cabbage, abyssinian; cabbage, Chinese, bok choy; cabbage, seakale; cat's whiskers; cham-chwi; cham-na-mul; chervil, fresh leaves; chipilin; chrysanthemum, garland; cilantro, fresh leaves; collards; corn salad; cosmos; cress, garden; cress, upland; dandelion, leaves; dang-gwi, leaves; dillweed; dock; dol-nam-mul; ebolo; endive; escarole; fameflower; feather cockscomb; good king henry; hanover salad; huauzontle; jute, leaves; kale; lettuce, bitter; lettuce, head; lettuce, leaf; maca, leaves; mizuna; mustard greens; orach; parsley, fresh leaves; plantain, buckhorn; primrose, English; purslane, garden; purslane, winter; radicchio; radish, leaves; rape greens; rocket, wild; shepherd's purse; spinach; spinach, Malabar; spinach, New Zealand; spinach, tanier; Swiss chard; turnip greens; violet, Chinese, leaves; watercress; cultivars, varieties, and hybrids of these commodities				
POME FRUIT: Apple; azarole; crabapple; loquat; mayhaw; medlar; pear; pear, Asian; quince; quince, Chinese; quince, Japanese; tejocote; cultivars, varieties, and/or hybrids of these				

Crop	Pests	Dosages (g/ha)	Dilution in water (liters)	PHI (days)
BRASSICA HEAD AND STEM VEGETABLES: Broccoli; Brussels sprouts; cabbage; cabbage, Chinese, napa; cauliflower; cultivars, varieties, and hybrids of these commodities	Sucking Pest Like Aphids, Thrips, Whitefly, Mealy bugs, Jassids, Termites, Grubs, Beetles, American Bollworm & other larval pests including caterpillars.	1900-2000 (In case of extreme insect pressure products should be applied @3500gms/ha).	400-450	0 day
LEGUME VEGETABLES (SUCCULENT OR DRIED): Bean, Lupinus spp. (including grain lupin, sweet lupin, white lupin, and white sweet lupin); bean, Phaseolus spp. (including field bean, kidney bean, lima bean, navy bean, pinto bean, runner bean, snap bean, tepary bean, wax bean); bean, Vigna spp. (including adzuki bean, asparagus bean, blackeyed pea, catjang, Chinese longbean, cowpea, Crowder pea, moth bean, mung bean, rice bean, southern pea, urd bean, yardlong bean); broad bean (fava bean); chickpea (garbanzo bean); guar; jackbean; lablab bean (hyacinth bean); lentil; pea (including dwarf pea, edible-pod pea, English pea, field pea, garden pea, green pea, snow pea, sugar snap pea); pigeon pea; soybean; soybean (immature seed); sword bean.				
FRUITING VEGETABLES: African eggplant; bush tomato; cocona; currant tomato; eggplant; garden huckleberry; goji berry; groundcherry; martynia; naranjilla; okra; pea eggplant; pepino; pepper, bell; pepper, nonbell; roselle; scarlet eggplant; sunberry; tomatillo; tomato; tree tomato; cultivars, varieties and/or hybrids of these.				
CUCURBIT VEGETABLES: Chayote (fruit); Chinese waxgourd (Chinese preserving melon); citron melon; cucumber; gherkin; gourd, edible (includes hyotan, cucuzza, hechima, Chinese okra); Momordica spp. (includes balsam apple, balsam pear, bittermelon, Chinese cucumber); muskmelon (includes cantaloupe); pumpkin; squash, summer; squash, winter (includes butternut squash, calabaza, hubbard squash, acorn squash, spaghetti squash); watermelon				
CEREAL GRAINS: Barley; buckwheat; corn (all including field, seed, and sweet; fresh market and grain); millet, pearl; millet, proso; oats; popcorn; rice; rye; sorghum (milo); teosinte; triticale; wheat; wild rice.				
Forage, Fodder, And Straw of Cereal Grains				

Crop	Pests	Dosages (g/ha)	Dilution in water (liters)	PHI (days)
CITRUS FRUIT: Australian desert lime; Australian finger lime; Australian round lime; Brown River finger lime; calamondin; citron; citrus hybrids; grapefruit; Japanese summer grapefruit; kumquat; lemon; lime; Mediterranean mandarin; mount white lime; New Guinea wild lime; orange, sour; orange, sweet; pummelo; Russell River lime; satsuma mandarin; sweet lime; tachibana orange; Tahiti lime; tangelo; tangerine (mandarin); tangor; trifoliate orange; uni fruit; cultivars, varieties, and/or hybrids of these	Sucking Pest Like Aphids, Thrips, Whitefly, Mealy bugs, Jassids, Termites, Grubs, Beetles, American Bollworm & other larval pests including caterpillars.	1900-2000 (In case of extreme insect pressure products should be applied @3500gms/ha).	400-450	0 day
STONE FRUIT: Apricot; apricot, Japanese; capulin; cherry, black; cherry, Nanking; cherry, sweet; cherry, tart; Jujube, Chinese; nectarine; peach; plum; plum, American; plum, beach; plum, Canada; plum, cherry; plum, Chickasaw; plum, Damson; plum, Japanese; plum, Klamath; plum, prune; plumcot; sloe; cultivars, varieties, and/or hybrids of these				
BERRY AND SMALL FRUIT: Amur river grape; aronia berry; bayberry; bearberry; bilberry; blackberry (including Andean blackberry, arctic blackberry, bingleberry, black satin berry, boysenberry, brombeere, California blackberry, Chesterberry, Cherokee blackberry, Cheyenne blackberry, common blackberry, coryberry, darrowberry, dewberry, Dirksen thornless berry, evergreen blackberry, Himalayaberry, hullberry, lavacaberry, loganberry, lowberry, Lucretiaberry, mammoth blackberry, marionberry, mora, mures deronce, nectarberry, Northern dewberry, olallieberry, Orgeon evergreen berry, phenomenalberry, rangeberry, ravenberry, rossberry, Shawnee blackberry, Southern dewberry, tayberry, youngberry, zarzamora, and cultivars, varieties and/or hybrids of these); blueberry, highbush; blueberry, lowbush; buffalo currant; buffaloberry; che; Chilean guava; chokecherry; cloudberry; cranberry; cranberry, highbush; currant, black; currant, red; elderberry; European barberry; gooseberry; grape; honeysuckle, edible; huckleberry; jostaberry; Juneberry (Saskatoon berry); kiwifruit, fuzzy; kiwifruit, hardy; lingonberry; maypop; mountain pepper berries; mulberry; muntries; native currant; partridgeberry; phalsa; pincherry; raspberry, black and red; riberry; salal; schisandra berry; sea buckthorn; serviceberry; strawberry; wild raspberry; cultivars, varieties, and/or hybrids of these				

Crop	Pests	Dosages (g/ha)	Dilution in water (liters)	PHI (days)
TREENUTS: African nut-tree; almond; beechnut; Brazil nut; Brazilian pine; bunya; bur oak; butternut; Cajou nut; candlenut; cashew; chestnut; chinquapin; coconut; coquito nut; dika nut; ginkgo; Guiana chestnut; hazelnut (filbert); heartnut; hickory nut; Japanese horse-chestnut; macadamia nut; mongongo nut; monkey-pot; monkey puzzle nut; Okari nut; Pachira nut; peach palm nut; pecan; pequi; Pili nut; pine nut; pistachio; Sapucaia nut; tropical almond; walnut, black; walnut, English; yellowhorn; cultivars, varieties, and/or hybrids of these	Sucking Pest Like Aphids, Thrips, Whitefly, Mealy bugs, Jassids, Termites, Grubs, Beetles, American Bollworm & other larval pests including caterpillars.	1900-2000 (In case of extreme insect pressure products should be applied @3500gms/ha).	400-450	0 day
Ornamental plants (including flowers, flowering and foliage plants, bedding plants, groundcovers, shrubs, vines, evergreens, and trees)				

METHOD OF APPLICATION:

Apply in recommended amount of product to thoroughly cover foliage infested with insects, 400-450 liters of water/ha. Water volume depends on spray equipment, crop canopy and target pest. Spray to wet, but avoid runoff. Apply up to a maximum of 3500 ml of product per hectare for extreme insect pressure or dense foliage.

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