

SYNERPRO® PBO

Insecticide Synergist

For use as a synergist in a tank mix to improve control of insects. Assists in inhibition of mixed-function oxidase resistance in insects. Increases insect susceptibility to insecticides. For use in residential dwelling or indoors in commercial or institutional buildings (including food processing and handling areas), turf and ornamentals, crops (including greenhouses and nurseries, on livestock, and livestock housing.]

Piperonyl butoxide*	91.3%
OTHER INGREDIENTS	8.7%
TOTAL	100.0%
Contains 8 015 lb / gal pineropyl butovide	technical

CTIVE INCOPPOIENTS.

KEEP OUT OF
REACH OF CHILDREN
CAUTION
See attrached booklet for additional

precautionary statements

EPA Reg. No. 53883-258 EPA Est. No. 53883-TX-002





Manufactured for:

Control
Solutions Inc.

5903 Genoa-Red Bluff, Pasadena, TX77502
A member of Adama

EPA 062612/REV A

First Aid		
lf on skin or clothing	Toke off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.	
If swallowed	Call a poison control center or doctor immediately for treatment advice. Have a person sip a glass of water if able to swallow. Do not induce vorniming unless that to do so shy a poison control center or doctor. Do not give anything by mooth to an unconscious person.	
If in Eyes	Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.	

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For additional information on this product (including health concerns, medical emergencies, or pesticide incidents) you may call SafetyCall® International for emergency medical treatment at (866) 897-8050.

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS & DOMESTIC ANIMALS CAUTION

Harmful if swallowed or absorbed through the skin. Causes moderate eye irritation. Avoid contact with skin, eyes or clothina. Prolonged or frequently repeated skin contact may cause alleraic reactions in some individuals.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical-resistant to this product are listed below. Mixers, loaders, applicators and other handlers (including during mixing/loading, repair and cleaning of equipment, and disposal of pesticide) must wear the following:

I considered shirt and loan points

- Chemical resistant gloves such as barrier laminate, viton, neoprene rubber or nitrile rubber
 - Shoes plus socks

In addition to the above PPE, mixers and loaders supporting aerial applications to forests and/or applicators using a highpressure handward in an enclosed area must wear at least a NIOSH-approved respirator with a dust/mist filter with MSHA / NIOSH approval number prefix TC-21C or any N, R, P, or HE filter.

In addition to the above PPE, applicators using hand-held foggers in an enclosed area must wear a half-face or full face or hood style MOSH-Approved registrator with a dust/mist filtering cartridge with MSHA / NOSH approved number prefix TC21C, or a cartridge or canister approved for pestidies (MSHA / NOSH approved number prefix TC-14G), or a cartridge or canister with any N, R, P, or HE filter.

See "Engineering Controls" for additional requirements.

User Safety Requirements:

Follow manufacturer's instructions for cleaning/mainfaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other loundry.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

Engineering Controls:

Pilots must use an enclosed cockpit that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d)(6)]

Human flaggers are prohibited. Flagging to support aerial application is limited to use of mechanical flaggers or GPS (Global Positioning System.)

IISER SAFFTY RECOMMENDATIONS

Users should:

- Wash hands with plenty of soap and water before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing /PPE immediately if pesticide aets inside. Then wash thoroughly and out on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into dean clothing.

ENVIRONMENTAL HAZARDS

This product is toxic to aquatic arganisms, including fish and invertebrates. Diff and un-off may be hazardous to aquatic againsms in water adjacent to teated areas. This poduct may contaminate water through run-off. This water has a po-tential for run-off for several weeks often application. Poorly draining soils and sails with shallow water tables are more name to marker un-off that contains this conduct.

Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment wash-waters or rinsate.

See Directions for Use for additional precautions and restrictions.

PHYSICAL OR CHEMICAL HAZARDS

Do not use or store near heat or open flame.

DIRECTIONS FOR USE

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

READ ENTIRE LABEL AND PAMPHLET. USE STRICTLY IN ACCORDANCE WITH PRECAUTIONARY STATEMENTS AND DIRECTIONS AND WITH APPLICABLE STATE AND FEDERAL REGULATIONS.

For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its bledling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers for forming, described, must be used to see the state of the protection of the statements on this label closur be grown protective equipment (PFE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

(continued

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the areas during application. For any requirements specific to your state or tribe, consult the agency responsible for pesticide regulation.

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 12 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil or water, is:

- Coveralls
- Chemical-resistant gloves made of any waterproof material
- Shoes plus socks

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR part 170). The WPS applies when this product is used to produce agricultural plants on forms, forests, nurseries, or greenhouses.

FOR SURFACE SPRAY USE:

Except when applying to livestock, do not enter or allow others to enter treated area until sprays have dried.

FOR SPACE SPRAY OR FOGGER USE:

Except when applying to livestack and with metered release devices, do not enter or allow others to enter until vapors, mists and aerosols have dispersed, and the treated area has been thoroughly ventilated.

APPLICATION RESTRICTIONS

Except when applying to livestock and with a metered release device, do not apply this product in a way that will contact workers or other persons, either directly or through drift.

Except when applying to livestock and with a metered release device, only protected handlers may be in the area during application.

TANK MIXES: Tank mixing or use of this product with any other product which is not specifically and expressly authorized by the label shall be the exclusive risk of user, applicator, and/or application advisor.

Read and follow the most restrictive label instructions and precautions of all products in a tank mix.

USE RESTRICTIONS

This product is an emulsifiable concentrate for use as an additive in insecticides and acaricides, to improve control of in-

sects and mites. SynerPro® PBO aids in reducing oxidative resistance that can develop in insects and mites. SynerPro® PBO has no insecticidal effect of its own.

- Apply this product only as specified on this label.
- Do not contaminate of food or feedstuffs.
- Do not apply this product in a way that will contact adults, children or pets, either directly or through drift.
 - Only protected handlers may be in the treatment area during application.
 - For metered release devices: Not for use in residential areas. Do not use in nurseries or rooms where infrants, ill or aged
 persons are confined. Do not place metering device directly over or within 8 feet of exposed food, dishes, utersals,
 food processing equipment and food handling or preparation. Do not install within 3 feet of air vents. Carefully follow
 directions for the disperser unit and when replacing cares or conducting ministrances.
- Do not use in aircraft cabins.
- Do not wet plants to point of run-off or drip. Do not use treated articles until spray has dried.
- Do not wet articles to point of runoff or drip.
- Do not make applications during rain.
- Do not apply directly into sewers or drains, or to any area like a gutter where drainage to storm sewers, water bodies, or agualic habitat can occur. Do not allow the product to enter any drain during or after application. Do not apply, in windy conditions, to prevent run-off, do not over-water the treated area(s) or apply when heavy rain is expected.
 Rinse application equipment only over to have or outden area.
- Not for use in outdoor residential misting systems.
- Do not remain in treated area. Exit area immediately and remain outside the treated area until aerosols, vapors and/or mists have dispersed.
- Remove or cover exposed food and drinking water before application. Remove or cover dishes, utensils, food processing equipment and food preparation surfaces, or wash them before use.
- When used in dairy barns or facilities: Close milk bulk tank lids to prevent contamination from spray and from dead
 or falling insects. Remove or cover milking utensils before application. Wash teats of animals before milking.
- For agricultural premises, commercial animal housing and equipment, direct application to non-domestic animals/livestock, greenhouse grown ornamental, flowering and folioge plants and outdoor ornamentals and lawns: Do not apply more than 1 time per day.
- For food craps grown outdoors or in greenhouses in agricultural settings: Do not apply more than 10 fitnes per season. Do not reapply within 3 days except under extreme pest pressure. In case of extreme pest pressure, do not reapply within 24 hours. Do not apply to cotton within 14 days of seed harvest.
- For indoor food handling/processing facilities. Do not make space spary applications when facility is in operation. During space spary applications, oner or remove exposed food. During space spary applications, cover food processing surfaces or dean after teatment with a suitable detergent, insee with portable water before use. Do not apply more than 1 time per day.

- For post-harvest application to vegetables, fruits and nuts: Do not apply more than 1 time per day. Do not reapply within 7 days, Do not apply more than 10 times to sweet actatioes.
- For post-harvest application to stored grain and seed: Do not reapply within 30 days.
- For food stored in bags: Direct application to food contact surfaces is prohibited.

APPLICATION INSTRUCTIONS

SynerPro® PBO may be applied using ground application sprayers, hand-held sprayers, power sprayers, foggers, ULV applicators, or by chemigation.

Not for use in outdoor residential misting systems.

SPRAY DRIFT MANAGEMENT

Avoiding spray drift at the application site is the responsibility of the applicator and the grower. The interactions of many equipment and weather either discharge determine the potential first spray drift. The applicator and the grower are responsible for considering all these factors when making decisions. Do not apply at wind speeds greater from 10 mph at the application site. Do not make any type of application into temperature inversions. Apply as a medium or coarse spray (JSABE Standard S72).

Aerial Applications

Do not release spray at a height greater than 10 feet above the ground or crap canopy. Boom length must not exceed 75% of the wingspan or 90% of the rotor blade diameter. Aerial applicators must consider airspeed and nazzle orientation in controlling diaplets. When applications are made with a cross-wind, the swath will be displaced downwind. The applicator must compensate for this downwind displacement at the downwind edge of the application area by adiastron the point of the aircraft swind.

Ground applications

Do not release spray at a height greater than 4 feet above ground or crop canopy.

Airblast applications

Direct spray into the canopy. Turn off outward-pointing nazzles when spraying row ends, and when spraying outer rows. SynerPro® PBO is for use as an additive to insecticides or acaricides applied according to label directions on growing food, feed, or seed crops outdoors, or in greenhouses, or on dormant crops.

<u>CROPS</u>

Maximum application rates:

- Field and orchard— 0.5 lbs ai/acre or 0.012 lb ai /1000 square feet
- Hvdroponically grown crops 1.0 ppm gi in water

RESTRICTIONS FOR USE ON FOOD CROPS:

- Greenhouse space sprays 0.0014 lbs ai/1000 cubic feet
- Greenhouse surface spray 0.012 lbs per 1000 square feet or 0.5 lbs ai per acre.

ROOT AND TUBER VEGETABLES

Amocacha, anownod, purple anownod, Japanese anrichoke, Jerusalem antichoke, beets, sugarbeets, edible burdack, carrot, cassavu (Sitiler a sweet), celerioc, chervil (Turring noted), chircoy, dischere (Turo), ginger, ginseng, harse mädsh, leen, pasley (Turring noted), passing, potatives, madsh, Japanese mädsh (dalkan), rutabaga, salshf, black salshfy, Spanish salshf, sweet potatives, tarrier (cororam), harmein, Turring, Turv yarros, bean yarros.

LEAVES OF ROOT AND TUBER VEGETABLES

Beets, sugarbeets, edible burdock, carrot, cassava (bitter or sweet), celeriac, chervil (turnip rooted), chicory, dasheen (taro), parsnip, rodish, Japanese rodish (dalkon), rutabaga, black salsify, sweet potatoes, tanier (cocoyam), turnip, true yam.

BULB VEGETABLES (Allium spp.)

Garlic, great-headed garlic, leek, onion (dry bulb or green) spring onion (scallions), Welsh onion, shallots.

LEAFY VEGETABLES

Amaranth (Bedry amaranth, Chinese spinoch, tompala), arrugula (raquette), celery, celtuce, chervil, com salad, chrysonthernum (edible leaved), chrysonthernum (garland), cress (garden), cress (signiland, yellow wocket, winter cress), dandellon, dock (sornel), endive, escarole, formel (Thorence), lettuce (head and learl), arach, posely, purslame (garden and winter), rhubath, omanies, sainach finer, sosinach (Madabar, Celvoln), sainach (New Zealand). Swiss chard.

BRASSICA (COLE) LEAFY VEGETABLES

Braccoli, bracoflower, cavolo braccolo, Chinese braccoli (gai lan), braccoli raab (rapini), Brassels sprouts, cabbage, Chinese cabbage (bok chay), Chinese cabbage (napa), Chinese mustard cabbage (gai chay), cauliflower, collards, kale, kohlnabi, mizuna, mustard greens, mustard spinach, rape greens.

LEGUME VEGETABLES (SUCCULENT OR DRIED)

Adzuki beans, asparagus beans, block-eyed peas, broad beans (flova beans), catignay, chick peas (garbanzo beans), Chinese longbeans, cowpeas, crowiner peas, field beans, guori jackbeans, sword beans, kolney beans, blobb beans (hyocinh beans), Lima beans, lentils, moth beans, mung beans, novy beans, peas (dworf, edible, pod, English, godlen green, field, snowyeers, sugar snop peas), pigeon peas, pinato beans, rice beans, numer beans, snop peas, southern peas, soybeans, grain luipii, sweet luipin, white luipin, pole beans, teapury beans, und beans, wax beans, yourdlong beans.

LEGUME VEGETABLE FOLIAGE

Plant part of any legume vegetables included in the legume vegetable group that will be used as animal feed, including any variety of beans and field peas.

FRUITING VEGETABLES

Eggplant, ground cherry, pepinos, peppers (bell, chili, cooking, pimento, sweet peppers), tomatillo, tomatoes.

CUCURBIT VEGETABLES

Balsam pear (bitter melan), Chinese waxgaurd (Chinese preserving melan), citran melan, cucumber, gherkins, edible gaurds, melans (hybrids, grannss, camary, cartleluape, casotha, charentins, creschany, galia, honeydew, honeydalls, mangomelan, muskmelan, Pesaian melan, piel de sapol, pumpkin, squash (summer and winter), western shipper melan, watermelan (includina hibrids: seeded and unseeded.)

CITRUS FRUITS

Calamondin, citrus citron, citrus hybrids, grapefruit, kumquats, lemons, limes, mandarins, tangerines, arange (sweet and sour), pummelo, satsuma mandarins.

POME FRUITS

Apple, crabapple, loquat, mayhaw, pear, oriental pear, quince.

STONE FRUITS

Apricot, cherries (sweet and sour), nectorines, peaches, plums, prunes, Chickasaw plums, Damson plums, Japanese plums, plumcot.

SMALL FRUITS AND BERRIES

Bingleberries, blackberries, blueberries, cranberries, curronts, dewberries, elderberries, gooseberries, grapes, huckleberries, loganberries, lowberries, allalieberries, black raspberries, red raspberries, strawberries, youngberries.

TREE NUTS

Almond, beech nut, Brazil nut, butternut, cashew, chestnut, chinquooin, filbert (hazelnut), hickory nut, mocodomia nut (bush nut), pecan, pistochio, walnut (black and English or Persian).

ORIENTAL VEGETABLES

Japanese artichoke, Chinese broccoli (gai lan), Chinese cabbage (bok chay), Chinese mustard cabbage (gai chay), dasheen, ginger, girseng, Chinese longbeans, mung beans, citron melon, balsam pear (bitter melon), Japanese radish (daikon), Chinese spinach, Chinese waxgourd.

SUBTROPICAL FRUITS

avaocado, banana, carob, Barbados cherry, charimoya, dates, durian (jackfruit), feijoa, figs, guava, kiwifruit, lychee, mango, papaya, passionfruit, pawpaw, persimmon, pineapple, pomegranate.

CEREAL GRAINS

Barley, buckwheat, corn (sweet, pop, and field), millet, proso, oats, pearl, rice, rye, sorghum (milo), teosinte, triticale, wheat, wild rice.

FORAGE, FODDER AND STRAW OF CEREAL GRAINS

Barley, buckwheat, corn (sweet, pop, and field), millet, proso, oats, pearl, rice, rye, sorghum (milo), teosinte, triticale, wheat, wild rice.

GRASSES FOR SEED, FORAGE, FODDER AND HAY

Includes any grass (graminoceae), green or cured, except sugarcane and those listed under "cered grains", that will be used to graze or feed livestock, such as pasture grasses, mone grasses, grasses grown for hay or sloge, Bermuda grass, bluegrass, formegrass, feccue, annual ryegrass, festulatium, hybrid ryegrass, latilan ryegrass, meadow fescue, orchard grass, Sudangrass, sorghum-Sudan, tall fescue, fimothy, wheat hay, turfgrasses, bentgrass, Kentucky bluegrass, specially arrasses.

NON-GRASS ANIMAL FEEDS

Alfalfa, velvet bean, clover, kudzu, lespedeza, lupin, sainfoin, trefoil, crown vetch, milk vetch.

HERBS AND SPICES

Allspice, angelica, anise (anise seed), annatho, balm, basil, borage, burnet, chamamile, caper buds, carawny, black caraway, cardiamon, cassil bark, cassib buds, carline, cellery seed, chervil, chines, Chinese chines, chary, cove buds, corionate (claimt or chinese pacsley), cariander (claimto) seed, castmary, claimta, cumin, curry leaf, fall (weed, seed), fermel (thalian and sweet), freungeek, grains of paradise, laverbound, hysoop, jurique berry, lavender, lemangrass, lovage (leaf and seed), loce, marigold, mariparam (sweet, wild), mustrad (seed), nasturfum, nutmag, oreguna, mint, papilata, pacsley, pennyroyal, pepper (white or block), poppseed, rosemary, aue, saffina, sage, snarry (including summer or winter), sweet boy (bay leaf), truss, furragon, thyrne, vanilla, watercass, winterqueen, woodfulf, wormwood.

OILSEED CROPS

Canola, crambe, rapeseed, flax, safflower, sesame, soybeans, sunflowers.

ADDITIONAL CROPS

Artichoke, asparagus, avocado, coffee, cottan, hemp, hops, jojoba, mushrooms, olives, okra, peanuts, safflower, sesame, sugar cane, sunflowers, tea, tobacco.

ORNAMENTALS

Flowering plants

African violets, agentum, aster, carele, begoini, cartis, calceolaria, calendula, callo, camellia, camarian, cenoritus, didini, delphinium, dopavod, ferm, ficus, folioge plants, froest the nuseries, palm and tropical tree nuseries, fuschia, gardenia, geranium, gladolus, glosinia, gysophila, holly, hyocinth, hydrangia, iris, juniper, lily, maidenhair fern, marigold, narcissus, pulm, parso, pelargonium, peany, pelarnia, pilnibedendon, pilno, prine, pyracamtha, rhododendon, rose, rubber lants. randorquan, stock, sweet pea, lilyin, vibrumum, vanderina law, veru, zimici, post.

Trees and shrubs

Andrameda, arbarvitae, ash, beech, birch, baxwood, cotoneaster, aabapple, dagwood, elm, euonymus, fir, firethom, forsythia, hawthorn, hemlock, hickory, hally, honey loaust, horse chestnut, juniper, larch, laurel, lilac, linden, mimosa (silk tree), myrtle, oak, pine, privet, hulip tree (yellow poplar), willow.

RATES

NOTE: SynerPro® P80 is intended for mixing with insecticides or accracides listed. SynerPro® P80 has no insecticidal activity of its own. Rates indicated on this label refer to the proportion of SynerPro® P80 has be added to the insecticide or accracide. Carefully observe the label directions for the insecticide or accracide to be used, and apply or rates directed in those labels. Altways follow the most restrictive label directions, restrictions, and precourtions of all products in a trank-mix. Do not mix with any product that prohibits took mixinates with piperonly butwise.

Rate Restrictions — Food crops		
Crop	Maximum Use Rate	Restrictions
Field and orchard crops	8 fl. oz. per acre (0.5 lb. ai per acre) or 0.2 fl. oz. per 1000 square feet	Do not apply more than 10 times per year. Do not re-apply within 3 days except in cose of extreme pest pressure, in which cose do not reapply within
Hydroponic crops	1.0 ppm ai in water (equivalent to 1 fl. oz. PBO Synergist per 62,500 gallons water.	24 hours. Do not apply to cotton within 14 days of seed harvest.
Greenhouse space spray	0.22 fl oz per 10,000 cubic feet	1
Greenhouse surface spray	0.2 fl oz per 1000 sq. feet.]

Rate Restrictions — ornamental, flowering and foliage plants		
Сгор	Maximum Use Rate	Restrictions
Greenhouse surface spray	0.58 fl oz per 1000 sq ft	Do not apply more than once per day
Greenhouse space spray	0.67 fl oz per 10,000 cu ft	
Forestry	20 fl oz per acre	
Sod farms	16 fl oz per acre	

TANK MIXING

Prior to tank mixing, do a compatibility test using the proper proportions of pesticide, synergist and water to ensure physical compatibility of the mixture. Mix at a rate of 2 to 8 ff az of SynerPro® PBO per acce, based on the amount of active ingredient. In the absence of specific data or prior experience on growing across and anomentals (outdoors, in greenbourses or indoors), it is recommended that trank mixes be tested for any phytotoxic injury to a small sample of the plants to be heated prior to use.

Calculating the amount of SynerPro® PBO

Most insecticides are synergized at a rate of 1 to 10 parts SynerPro® PBO active ingredient to 1 part insecticide active ingredient. Determine the amount of insecticide at to be used in pounds, then multiply that by the ratio of SynerPro® PBO desired (1 to 10). Then divide by 0.0625 (the amount of SynerPro® PBO at in pounds per fluid ounces. This will be the number of Thiuli ounces of SynerPro® PBO to use.

 $\frac{\text{LB insecticide ai X ratio of SynerPro} \circ \text{PBO}}{0.0625} = \text{Fluid ounces SynerPro} \circ \text{PBO required}$

TANK MIX RECOMMENDED MIX RATES

NOTE: Do not exceed maximum use rates in Rate Restrictions table above

Tank mix insecticide	If insecticide rate per acre is:	Then SynerPro® PBO rate is
Abamectin 2% ai	5 – 10 fl oz	2 fl oz
	16 fl oz	3 fl oz
	20 fl oz	4 fl oz
β - cyfluthrin 12.7% ai	0.8 – 1.6 fl oz	2 fl oz
	1.8 – 2.4 fl oz	3 fl oz
	2.8 fl oz	3.5 fl oz
	3.2 fl oz	4 fl oz
	6.4 fl oz	8 fl oz
Cyfluthrin 25% ai	0.8 fl oz	2 fl oz
	1.6 fl oz	4 fl oz
	2 fl oz	5 fl oz
	2.8 fl oz	7 fl oz
	3.2 - 6.4 fl oz	8 fl oz
Cyfluthrin 20% ai	1 fl oz	2 fl oz
	2 fl oz	4 fl oz
	2.5 fl oz	5 fl oz
	3 fl oz	6 fl oz
	3.5 fl oz	7 fl oz
	4 – 8 fl oz	8 fl oz

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Tank mix insecticide	If insecticide rate per acre is:	Then SynerPro® PBO rate is
Cypermethrin 30.6% ai	2 fl oz	6.4 fl oz
	2.5 – 5 fl oz	8 fl oz
Bifenthrin 10% ai	6.4 fl oz	6.4 fl oz
	8 - 32 fl oz	8 fl oz
Bifenthrin 25.1% ai	1.6 fl oz	4 fl oz
	2.1 fl oz	5.3 fl oz
	2.6 fl oz	6.4 fl oz
	3.2 - 32 fl oz	8 fl oz
Esfenvalerate 8.4% ai	2.9 fl oz	2.4 fl oz
	4.8 fl oz	4 fl oz
	5.8 fl oz	4.8 fl oz
	8 fl oz	6.4 fl oz
	9.6 - 14.5 fl oz	8 fl oz
Fenpropathrin 30.9% ai	51/ ₃ -211/ ₃ fl oz	8 fl oz
Imidacloprid 17.4% ai	2 fl oz	4 fl oz
	3 fl oz	6 fl oz
	3.8 fl oz	7.6 fl oz
	4 - 20 fl oz	8 fl oz
Imidacloprid 75% ai	0.8 - 1 fl oz	8 fl oz
Lambda cyhalothrin 11% ai	1.92 fl oz	2.4 fl oz
	2.56 fl oz	3.2 fl oz
	3.2 fl oz	4 fl oz
	3.84 fl oz	4.8 fl oz
Methomyl 29% ai	12 - 48 fl oz	8 fl oz
Permethrin 38.4% ai	2 fl oz	4 fl oz
	4 - 16 fl oz	8 fl oz

(continued)

Tank mix insecticide	If insecticide rate per acre is:	Then SynerPro® PBO rate is
Permethrin 25% ai	3.2 fl oz	4 fl oz
	6.4 - 32 fl oz	8 fl oz
Zeta-cypermethrin 9.6% ai	1.28 - 1.92 fl oz	2 fl oz
	2.24 - 3 fl oz	3 fl oz
	3.2 - 4 fl oz	4 fl oz
Zeta-cypermethrin 18.1% ai	1.4 fl oz	2.6 fl oz
	1.9 fl oz	3.5 fl oz
	2 fl oz	3.8 fl oz
	2.4 fl oz	4.5 fl oz
	2.8 fl oz	5.3 fl oz
	3 fl oz	5.6 fl oz
	3.4 fl oz	6.4 fl oz
	4.3 fl oz	8 fl oz

CHEMIGATION

SynerPro® PBO may be applied through the following types of sprinkler irrigation systems: center pivot, lateral move, end tow, side / wheel roll, traveler, big qun, solid set, or hand move.

Do not apply this product through any other type of irrigation system.

Ensure uniform distribution of water to avoid crop injury or illegal residue levels in the crop. For questions about calibration, contact your State Extension Service Specialists, the equipment manufacturer, or other experts.

Do not apply by chemigation when wind speed favors drift beyond the area intended for treatment.

Do not connect any irrigation system (including in greenhouses) used for pesticide application to a public water system unless the safety devices prescribed on the pesticide label for public water systems are in place.

A person knowledgeable about the chemigation system and responsible for its operation, or under the supervision of the responsible person, shall shut the system down and make adjustments when necessary should the need arise.

The system must contain a functional check valve, vacuum relief valve, and low-pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow. The pesticide injection pipeline must con-

tain a functional, automatic, quick-closing check value to prevent flow of fluid bock toward the injection purm. The pesricide injection pipeline must also contain a functional, manufolycloses alsenaid-operated valve on in this deside of the injection purmy, and connected to the system interlock to prevent fluid from being drawn from the supply nots, when the inigation system is shut down manually or automatically. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the pump motor stops. The irrigation line or water pump must include a functional pressure valve which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely diffacted.

Systems must have a metering pump such as a positive displacement injection pump (e.g., diaphragm pump) designed for and constructed of materials that are compatible with pesticides, and capable of being fitted with a system interlock. Maintain constant agitation in the chemical supply tank during the entitie period of application. Applications will be mode more accurate and uniform by injection of a larger volume of more dilute pesticides suspension per unit of time.

NON-CROP USES

SynerPro® PBO may be mixed with insecticides registered for use in the following areas:

Residential dwellings or indoors in commercial or institutional buildings including houses (indoor or outdoor), multiple unit housing, hotels, schools, restaurants, food processing facilities, food storage facilities, bakeries, healthcare facilities, warehouses, office buildings, factories, industrial facilities

Do not use in aircraft cabins.

For correct rate of insecticide, refer to the label of the tank-mix insecticide.

When used as a space spray, do not exceed 0.4 fl oz of SynerPro® PBO per 1000 cu ft of treated area. Do not apply more than 1 time per day. Thoroughly ventilate the treated area before re-entry or re-occupying.

If used as a crack and crevice or broadcast surface spray, do not exceed 8 fl oz of SynerPro® PBO per 1000 sq ft of treated area. Do not apply more than 1 time per day.

For metered-release device space sprays, do not exceed 0.80 fl az of SynerPro® PBO per 1000 cu ft of treated area. Do not apply more than 1 time per day.

FOOD HANDLING ESTABLISHMENTS

(Places other than private residences in which food is held, processed, prepared or served)

NON-FOOD AREAS; SynerPro[®] PBD may be used to treat non-food areas such as garbage rooms, lovatories, floor drains (to sewers), entries and vestibules, offices, locker rooms, machine rooms, bailer rooms, garages, map closets and storage (after canning or bortling).

FOOD AREAS: SynerPro® PBO can be used to treat food areas of food handling establishments, restaurants or other areas where foods are commercially prepared or served.

POST-HARVEST APPLICATION TO FOOD COMMODITIES

Do not apply Symethra® PBO except in mixture with an insecticide registered for use in post-harvest application to food commodities. Curefully follow hold effections for the insecticide being used. Symethra® PBO may be added to appropriately belied insecticides on: potatoes, promatoes, pers, sweet potatoes, capitales, blockberries, bulseberries, boysentierries, cheries, anabogales, currants, dewberries, figs, goosseberries, grapes, guova, loganiberries, mangoes, muskmelons, oranges, peaches, pears, pienagoles, plums, respisaberries, dimonds, volunts, copra, pearuts.

When used as a space spiny to finity, vegetables and copin, do not exceed 0.16 fl az of SymePro® PBO per 1000 cu If all space heated. When used as a surface application to the commodifies listed, do not exceed 1.6 fl az of SymePro® PBO per 1000 sq fl of heaten. When used as a surface application to fruit or tomatoes in baskets or hampers, do not exceed 0.013 fl az of SymePro® PBO per 1000 lb of finit. When used as a dip or spray, do not exceed 0.64 fl az of SymePro® PBO per 10 callons of water.

STORED GRAIN AND SEED

Maximum rates are listed below. Do not re-apply within 30 days.

barley	0.53 fl oz per 100 lb commodity	beans	0.43 fl oz per 100 lb commodity
lima beans	0.46 fl oz per 100 lb commodity	birdseed	0.51 fl oz per 100 lb commodity
buckwheat	0.53 fl oz per 100 lb commodity	Cocoa beans	0.59 fl oz per 100 lb commodity
corn	0.46 fl oz per 100 lb commodity	cottonseed	0.91 fl oz per 100 lb commodity
flax	0.46 fl oz per 100 lb commodity	grain sorghum	0.46 fl oz per 100 lb commodity
oats	0.8 fl oz per 100 lb commodity	field peas	0.43 fl oz per 100 lb commodity
rice	0.58 fl oz per 100 lb commodity	rye	0.46 fl oz per 100 lb commodity
wheat (dub, common, durum)	0.43 fl oz per 100 lb commodity	emmer, spelt	0.64 fl oz per 100 lb commodity

FOOD STORED IN RAGS

Storage areas containing food in impermeable bags may be treated with a space spray. Do not exceed 0.4 fl az of SynerPa® PBO per 1000 cu ft of space treated. Direct application to food contact surfaces is prohibited.

OUTDOOR AREAS

Apply in a broadcast spray of insecticide at a maximum rate of 1.2 fl az SynerPro® P80 per 1000 sq ft. in treated areas such as non-apricultural injoits-of-way; commercial, indication, or institutional properties, auditor eating establishments; parks, landscape; turf; home exteriors; other building or industrial facilities; outdoor mechanical equipment. For crack and review or soot treatments, the maximum rate is 8 fl as SwerPro® P80 per 1000 sq ft.

Do not apply more than once per day.

OUTDOOR ORNAMENTALS AND LAWNS

Sites such as trees, shrubs, flowers, foliage plants, lawns, vards, turf grass, golf courses, parks and landscape.

When used as a broadcast surface application, do not exceed 0.32 flor of SynerPro® PBO per 1000 sq ft treated (16 fl oz per acre). When used as a crack and arevice or spot surface treatment (including applications for fire ants or turf diagnostic aid), do not exceed 8 fl oz of SynerPro® PBO per 1000 sq ft of treated area.

Do not apply more than once per day.

PET PREMISES

May be used in a space spray application for pet premises. Do not exceed 0.5 fl az of SynerPro® PBO per 1000 cu th of space heated. For broadcast surface sprays, crack and crevice or spot surface treatments, do not exceed 8 fl az of SynerPro® PBO per 1000 sq ft of treated area.

DIRECT APPLICATION TO LIVESTOCK, DAIRY AND POULTRY ANIMALS

SynerPro® PBO may be tank mixed with insecticides labeled for application directly to non-domestic animals (including lactating dairy animals, meat and poultry animals). Do not apply more than 1 time per day. Do not apply microencapsulated product to lactating or food animals

LIVESTOCK, DAIRY AND POULTRY PRODUCTION FACILITIES AND PREMISES

SynerPro® P80 may be tank mixed with insecticides labeled for used in and around livestock, dairy and poultry production facilities, indoor agricultural premises, commercial animal housing and equipment to improve kill of listed flying and crawling insects.

WHEN ANUMALS ARE NOT PRESENT: When used as a space spray, do not exceed 4.0 fl az of Symerhra PBO per 1000 cut fl of space heated. For surface applications, crack and create or spat surface heatiments, do not exceed 8 fl az of Symerhra PBO per 1000 sq fl of heated area, for metered-release device space sprays, do not exceed 0.80 fl az of Symerhra PBO per 1000 cut fl of space heated per day, Do not apply more film in lime per day.

WHEN ANIMALS ARE PRESENT: When used as a space spray when non-domestic animals are present, do not exceed 1.28 fl az of SynerPro® PBO per 1000 cu ft of space treated.

INDOOR MISTING SYSTEMS USED IN COMMERCIAL BARNS, STABLES AND ANIMAL QUARTERS

- · Do not apply when food, feed and/or water is present
- When using this product, installers and service technicians must comply with the license, certification, or registration requirements fo the state(s), tribe(s), or local authority(ies) where they are installed.
- When applying via a remote activation device, do not apply when people and pets are present. If possible, when applying via automatic timer, set the timing for application when people and pets are unlikely to be present.
- · Direct nozzles to spray towards the target area and away from areas where people are typically present.

- · Do not use in an evaporative cooling system.
- Do not use in misters located within 3 feet of air vents, air conditioner units, or windows.
- If used in a system with a reservoir tank for the end use dilution, the system reservoir tank must be locked. Securely attach the end use pesticide label and a dilution statement to the system reservoir tank in a weather protected area or plastifs elsever. The dilution statement must be phrased os follows: this container holds ____ parts [product name] to ____ parts water.
- If used in a direct injection system, the pesticide container must be locked. Securely attach the end use label to the
 aesticide container in a weather protected area or plastic sleeve.
- This product must only be used in systems that have been calibrated to apply no more than the maximum application rate of "finsert product application rate]."
- Note: Also express this application rate as pounds or gallons of end-use product formulation.

OUTDOOR METERED RELEASE DEVICES

Directions for use in outdoor metered release devices:

- If the device works on an automatic timer, set the timing for application when people, pets, and/or food are unlikely
 to be present.
- If the device works when a person operates a remote activation device, then application of this pesticide when peoale, pets, and food are/or present is prohibited.
- · Direct nozzle to spray towards the target area and away from areas where people are typically present.
- · The pesticide container must be locked
- · Do not install within 3 feet of air vents, air conditioner units, or windows.
- · Carefully follow directions for the dispenser unit when installing the dispenser and replacing cans or conducting maintenance.

OUTDOOR AGRICULTURAL PREMISES

When used as a broadcast surface spary application, do not exceed 0.32 fl az of SynerPro® P80 per 1000 sq ft treated (1.6 fl az per acre). For crack and crevice or spot surface sparys (including applications for line ants or but diagnostic aid), do not exceed 8 fl az of SynerPro® P80 per 1000 sq ft of space treated. Do not apply more than 1 time per day.

SYNERPRO® PBO NON-CROP USE RATES and RESTRICTIONS

FOR GROWING PLANTS THAT WILL BE CONSUMED AS FOOD, DO NOT EXCEED 0.384 FL OZ (2.3 TEASPOONS) OF SYNERPRO® PBO PER 1000 SQ FT. PER APPLICATION.

Non-Crop Mixing Rates Table

NOTE: always follow rates and restrictions of the insecticide label. The following table refers only to the mixture rate of SynerPro® PBO. SynerPro® PBO is not intended for use without an insecticide.

Tank mix insecticide	If insecticide rate is:	Then SynerPro® PBO rate is
Tau-fluvalinate 22.3% ai	0.2 fl oz	0.5 fl oz
	0.5 fl oz	1.25 fl oz
	4 - 10 fl oz	10 - 25 fl oz
Deltamethrin 4.75% ai	0.25 - 0.5 fl oz	0.25 fl oz
	0.75 fl oz	0.4 fl oz
	1 fl oz	0.5 fl oz
	1.5 fl oz	0.75 fl oz
	4 fl oz	2 fl oz
	8 fl oz	4 fl oz
Bifenthrin 7.9% ai	1 fl oz	0.8 fl oz
	2 fl oz	1.6 fl oz
	5 fl oz	4 fl oz
	10 fl oz	8 fl oz
	32 fl oz	26 fl oz
β-Cyfluthrin 11.8% ai	8 fl oz	0.34 fl oz
	12 fl oz	0.5 fl oz
	16 fl oz	0.68 fl oz
	24 fl oz	1 fl oz
	32 fl oz	1.25 fl oz
	40 fl oz	1.7 fl oz
	60 fl oz	2.5 fl oz
Esfenvalerate 6.4% ai	0.5 fl oz	0.35 fl oz
	1 fl oz	0.7 fl oz
Esfenvalerate 9.36% ai	0.4 fl oz	0.4 fl oz
	0.8 fl oz	0.8 fl oz

If insecticide rate is:	Then SynerPro® PBO rate is
1 fl oz	0.3 fl oz
2 fl oz	0.6 fl oz
2.9 fl oz	2.4 fl oz
4.8 fl oz	4 fl oz
5.8 fl oz	4.8 fl oz
8 fl oz	6.4 fl oz
9.6 - 14.5 fl oz	8 fl oz
1 fl oz	0.6 fl oz
2 fl oz	1.2 fl oz
0.2 fl oz	0.25 fl oz
0.4 fl oz	0.5 fl oz
0.8 fl oz	1 fl oz
0.33 fl oz	0.85 fl oz
0.5 fl oz	1.3 fl oz
0.65 fl oz	1.7 fl oz
1 fl oz	2.5 fl oz
1.3 fl oz	3.4 fl oz
2.6 fl oz	6.7 fl oz
5.1 fl oz	13 fl oz
1 fl oz	0.4 fl oz
1.67 fl oz	0.67 fl oz
3.33 fl oz	1.33 fl oz
6.67 fl oz	2.67 fl oz
16 fl oz	6 fl oz
1 gal	50 fl oz
1.25 gal	64 fl oz
	1 fl oz 2 fl oz 2 fl oz 2 fl oz 4 fl fl oz 5 fl fl oz 5 fl oz 1 fl oz 2 fl oz 0 fl oz 1 fl oz

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(continued)

Tank mix insecticide	If insecticide rate is:	Then SynerPro® PBO rate is
Permethrin 25.6% ai	0.64 fl oz	0.25 fl oz
	1 fl oz	0.25 fl oz
	1.28 fl oz	0.33 fl oz
	2.6 fl oz	0.67 fl oz
	3.75 fl oz	1 fl oz
	5 fl oz	1.25 fl oz
	6 fl oz	1.5 fl oz
	10.4 fl oz	2.5 fl oz
	1 gal	32 fl oz
Permethrin 10% ai	0.32 fl oz	0.25 fl oz
	0.64 fl oz	0.25 fl oz
	1 fl oz	0.25 fl oz
	3.2 fl oz	0.5 fl oz
	6.4 fl oz	0.5 fl oz
Imidacloprid 21.4% ai	1 fl oz	2.5 fl oz
	0.27 fl oz	0.67 fl oz
	0.54 fl oz	1.35 fl oz
	1.08 fl oz	2.7 fl oz
	1.35 fl oz	3.37 fl oz
	2.7 fl oz	6.75 fl oz
	5.4 fl oz	13.5 fl oz

In the absence of experience or data with growing plants, a test for possible plant injury should be made on a small sample of the plants before widespread application.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store in original container, unopened in a cool, dry place.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER HANDLING: Non-refillable container. Do not reuse or refill this container. Triple rinse, or equivalent, promptly ofter emptying, Triple rinse as follows: Empty the remaining contents into application equipment or or mix trank and drain for 10 seconds der the flow begins to dip. if the container ¼4 full with water and reac, Daked for each ond. Pour rinsate into application equipment or a mix trank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to dip, Repeat this procedure two more times. Then after for recycling or reconditioning, or purcture and dispose of in a smalarly validity, for whole procedures approved by Street or loral contributions.

Control Solutions, Inc. ® Warranty

Read the entire direction for use, conditions of warranties and limitations of liability before using this product. If terms are not acceptable, return the unopened product container at once. By using this product, user or buyer accepts the following CONDITIONS, DISCLAIMER OF WARRANTIES, and LIMITATIONS OF LIABILITY.

CONDITIONS: The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risk associated with the use of this product. Copy injuy, meltectiveness or other unintended consequences may result the cause of such factors are weather conditions, presence of other materials, or the manner of use or or patiention and which there beared the control of Control Solutions. Tax. All such picks shall be resumed but the user or have

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LIMITATIONS OF LIABILITY. To the extent consistent with applicable law, the exclusive remedy of the user or buyer for any and all losses, injuries or damages resulting from the use or handling of this product, whether in contract, warmary, tort, negligence, strict liability or otherwise, shall not exceed the purchase price poid or at Control Solutions, Incelection, the replacement of product.



SYNERPRO® PBO Insecticide Synergist

For use as a synergist in a tank mix to improve control of insects. Assists in inhibition of mixed-function oxidase resistance in insects. Increases insect susceptibility to insecticides. For use in residential dwelling or indoors in commercial or institutional buildings (including food processing and handling areas), turf and ornamentals, crops (including greenhouses and nurseries, on livestock, and livestock housing.1

ACTIVE INGREDIENTS:





See attached booklet for additional precautionary statements

......100.0% FPA Fst No. 53883-TX-002

Manufactured for: Control

