

PROVAP[®] PyGanic[®]



Livestock and Poultry Insecticide

For Organic Production



- Contains pyrethrum—a botanical insecticide derived from chrysanthemums
- Provides rapid knockdown and kill of animal pests
- Kills key livestock pests
- Controls more than 100 insects

ACTIVE INGREDIENT:

Pyrethrins.....1.40%
 OTHER INGREDIENTS.....98.60%
 100.00%

FOR THE CONTROL OF INSECTS, INCLUDING, BUT NOT LIMITED TO:

- | | | | |
|-------------------|--------------------|---------------------|----------------|
| Ants | Darkling Beetles | Skeletonizers | Mosquitoes |
| Aphids | (lesser meal worm) | Green Fruit Worms | Mushroom Flies |
| Apple Maggots | Deer Flies | Green Peach | Navel |
| Armyworms | Deer Ticks | Aphids | Orangeworms |
| Artichoke Plume | Earwigs | Greenhouse Thrips | Onion Maggots |
| Moths | Diamondback | Gypsy Moths | Pear Psylla |
| Asparagus Beetles | Larvae | (adults and larvae) | Potato |
| Beet Armyworms | Eastern Tent | Harlequin Bugs | Leafhoppers |
| Bagworms | Caterpillars | Hornets | Psyllids |
| Bean Beetles | Elm Leaf Beetles | Horn Flies | Rice Weevils |
| Beetles | European Corn | Hornworms | Saw-toothed |
| Blister Beetles | Borers | Horse Flies | Grain Beetles |
| Blow Flies | European Pine | House Flies | Scales |
| Biting Flies | Tip Moths | Imported | Silverfish |
| Boll Weevils | Face Flies | Cabbageworms | Skippers |
| Cabbage Loopers | Fall Webworms | Indian Meal Moths | Sowbugs |
| Cankerworms | Fire Ants | Japanese Beetles | Spiders |
| Carrot Weevils | Firebrats | Katydid | Stable Flies |
| Caterpillars | Fireworms | Lace Bugs | Stink Bugs |
| Clover Mites | Flea Beetles | Leafhoppers | Tabanidae |
| Clover Weevils | Flies | Leafrollers | Tarnished |
| Cockroaches | Forest Tent | Leaflets | Plant Bugs |
| Codling Moths | Caterpillars | Lice | Thrips |
| Colorado Potato | Fungus Gnats | Loopers | Tomato |
| Beetles | Fruit Flies | Lygus | Hornworms |
| Crane Flies | Fruittree | Mealy Bugs | Vinegar Flies |
| Crickets | Leafrollers | Mediterranean | Wasps |
| Cross-striped | Glassy Winged | Flour Moths | Webworms |
| Cabbageworms | Sharpshooters | Mexican Bean | Whiteflies |
| 12-spotted | Grape | Beetles | Yellow Jackets |
| Cucumber Beetles | Leafhoppers | Midges | |
| Cucumber Beetles | Grape Leaf | Millipedes | |

KILLS AND REPELS

Horn Flies, Face Flies, Sheep Ticks, Stable Flies, Horse Flies, Deer Flies, Biting and Sucking Lice, Poultry Mites, Bed Bugs, Darkling Beetles, Mosquitoes and Gnats, House Flies, Fleas and Ticks.

PROZAP

PyGanic®



Livestock and Poultry Insecticide

- May be applied to livestock and their premises
- Applications include: Fog, Mist and Spray
- Available sizes: Gallon and Quart

 For Organic Production

FOR USE AS A LIVESTOCK AND POULTRY SPRAY:

1) To kill and repel Horn Flies, House Flies, Mosquitoes and Gnats, dilute at the rate of 5 to 10 fl. oz. per gallon (39.65 to 79.3 ml/L) of water and apply to wet the hair thoroughly with particular attention to topline, underline, flanks, withers and other infested areas. Repeat treatment at intervals of 5 to 12 days for small insect populations or as needed when flies are emerging in large numbers.

2) To kill and repel Stable Flies, Horse Flies and Deer Flies, dilute at the rate of 9 to 14 fl. oz. per gallon (71.37 to 111.02 ml/L) of water and apply at a quart per adult animal to wet the hair thoroughly with particular attention to the legs, flanks, barrel, topline and other body areas commonly attacked by these flies. Repeat treatment each week as needed.

3) To kill and repel Face Flies dilute at the rate of 9 fl. oz. per gallon (71.37 ml/L) of water and apply using spray which produces large wetting droplets. Apply to the face of the animal in the morning before releasing to pasture. Apply sufficiently to wet the face but not more than 1.5 fl. oz. (44.36 ml) of diluted solution per animal. Repeat daily as needed.

4) For effective control of Biting and Sucking Lice on cattle, horses, sheep, goats and hogs, dilute at the rate of 1 quart with 16 gallons of water (3 fluid ounces with 1 gallon) (23.79 ml/L) and spray to thoroughly wet the hair of the animal including the head and brush of the tail. Repeat treatment in 10 days to kill newly hatched Lice.

5) To control Poultry Lice, using a dilution of 9 to 14 ounces of concentrate per gallon (71.37 to 111.02 ml/L) of water spray roosts, walls and nests or cages thoroughly. It is not necessary to remove poultry from the housing unit during treatment. This should be followed by spraying over the birds with a fine mist.

6) For control of Bed Bugs and Mites on poultry and in poultry houses, dilute at the rate of 9 to 14 fluid ounces per gallon (71.37 to 111.02 ml/L) of water and spray crevices of roost poles, cracks in walls and cracks in nests where the Bed Bugs and Mites hide. This should be followed by spraying over the birds with a fine mist.

7) To control Sheep "Tick" or Ked, dilute at the rate of 5 to 10 fluid ounces per 4 gallons (9.78 to 19.56 ml/L) of water and thoroughly wet all portions of the body by dipping or by spraying with sufficient pressure and with a nozzle adjustment to give penetration of the wool. Treat at a rate sufficient to wet the animal.

8) To kill Fleas and Ticks on livestock and to obtain protection against reinfestation, dilute at the rate of 9 fluid ounces per gallon (71.37 ml/L) of water and wet the animal by dipping or spraying. This product may also be used for livestock/pet quarters. Do not spray pets. For best results against fleas and ticks on dogs and cats the kennels and/or animal quarters and bedding should be treated. Remove and destroy pet's old bedding. To reduce infestation, thoroughly spray the animal's bedding and sleeping quarters. Also spray the entire inside surface of doghouses. Put fresh bedding in pet's quarters after spray has dried. Also treat dogs and cats with a registered flea and tick control product before allowing them to reenter treated area.

9) To control Adult Darkling Beetle (lesser meal worm) in poultry houses. Dilute 1 to 3 fl. oz. of PyGanic® Crop Protection EC 1.41l per gallon (7.93 to 23.79 ml/L) of water. Using a power or proportioner-type sprayer, apply a uniform spray until wet at pressures of 80 to 100 pounds per square inch (5.62 to 7.03 kg. per square centimeter) to surfaces such as interior walls, roosting posts, structural support pillars and other surfaces where adult beetles are observed. One gallon (3.78 L) of spray mixture covers 250-500 sq. ft. (23.23 to 46.45 sq m) Do not contaminate food/feed or water. For maximum effectiveness, treatments should coincide with each growout or sanitation procedure. Indoor control can be enhanced by making perimeter treatments around the outside of buildings. To prevent immigrating Adult Beetles, apply a uniform band of spray 2 feet (0.6 m) up and 1 to 4 feet (0.3 to 1.2 m) out from the foundation.

For maximum effectiveness, treatments should coincide with poultry house clean out and litter replacement as this activity will tend to flush Beetles to vertical surfaces where they will be exposed to the spray.

FOR USE IN BARN, DAIRIES, MILKING PARLORS, MILKING ROOMS AND POULTRY HOUSES: To control flying insects including, but not limited to: Flies, Fruit Flies, Mosquitoes, Gnats, Wasps, Hornets and Small Flying Moths, dilute at the rate of 9 fl. oz. per gallon (71.37 ml/L) of water. Apply as a fog or fine mist (at approximately 2 ounces per 1,000 cubic feet of space) (2 grams per cubic meter), directing the nozzle for maximum coverage and above livestock and poultry toward the ceiling and upper corners of the area being treated. For best results, close doors and windows before spraying and keep them closed for 10 to 15 minutes. Applicator should vacate the treated area and ventilate it prior to returning.