



Crop Protection EC 5.0

On-Contact Knockdown of a Wide Range of Economically Damaging Insects

PyGanic® Crop Protection EC 5.0 II organic insecticide delivers consistent, reliable knockdown and control of the most crop-damaging and pervasive insects. Organically-compliant, *PyGanic* controls a broad-spectrum of insects on virtually every type of crop and requires no pre-harvest interval (PHI) or restrictions on the number of applications that can be made per year.

PyGanic 5.0 comes in easy-to-use gallon and quart containers that enable the grower flexibility at the time of application according to pest pressure.

PyGanic botanical plant protection product is compatible with IPM, farm safety and Worker Protection Standards (WPS) given its user friendly toxicity profile. It is ideal for organic growers who need insecticide options for hard-to-control insects. *PyGanic 5.0* is made with botanically-derived active ingredients; it has a lower impact on the environment with a high impact on pests.

PyGanic 5.0 Features

- Organically-compliant, OMRI Listed and meets USDA's NOP requirements
- Zero PHI or annual application restrictions
- Very short 12-hour field REI
- Concentrated formulation reduces shipping/packaging costs for large-scale producers
- Maximum residue levels (MRLs) established



Insects Controlled

PyGanic 5.0 is a trusted, reliable, organic insect control solution for the most pervasive and destructive crop pests. *PyGanic* can control more than 80 insects including the following:

aphids
armyworms
katydid s
leafhoppers

leafrollers
lygus
mites
pear psylla

thrips
whiteflies



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Product Specifications

- **Packaging** – Quarts (6 per case), Gallons (2 per case)
- **Food Handling** – Not for use in food areas
- **Active Ingredients** – Pyrethrins
- **Flammability** – Not classified as flammable or combustible by OSHA
- **Mode of Action** – Sodium channel modulator – disrupts insects' nervous systems
- **Class of Chemistry** – Pyrethrins
- **Respirator Requirements** – Required for fogging in enclosed areas such as greenhouses
- **Mix or Dilute** – Water only
- **Activity** – Quick knockdown, contact control that flushes insects from hiding

Tips for Best Performance

- **Buffer the pH of the *PyGanic* spray solution to 5.5-7.0.** Application of the spray solution with a pH outside of this range may result in poor performance on target pests.
- ***PyGanic* is a contact insecticide – good coverage is key.** The amount of water used as a carrier has to be sufficient to achieve good coverage and contact target insects.
- ***PyGanic* may be applied in conjunction with a spreader or wetting agent.** While *PyGanic 5.0* is compatible with most products, conducting a small-scale test to ensure the lack of phytotoxicity of the combination is recommended.
- **Consider application in early morning, late evening or during the night.** Reduced UV exposure and lower temperatures will increase performance.
- For most situations, start at the “mid” application rate for *PyGanic*. In general, using *PyGanic 5.0* at the rate of 9 fl oz/A provides excellent knockdown and control of insects. Conditions under which increasing the rate used per acre are recommended include the following: 1) extremely high insect populations, or 2) when the insect population is dominated by late-stage immature or adults.
- **Carefully monitor insect populations and apply when insects are in their early life stage.** Monitor your crops for the first appearance of insects and treat the insects during the early stages of colonization.
- **Tank mix *PyGanic* with other products.** *PyGanic 5.0* adds quick knockdown, broad-spectrum control and resistance management benefits to other crop protection products such as Bts, azadirachtin, spinosad and neem oils.
- **Apply *PyGanic* when target insects are active.** Apply when the target insects are active to increase the direct contact during early stages of colonization.
- **Remove beneficial insects or apply when beneficial insects are not present.**



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Always read and follow label instructions.

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PyGanic is NOP compliant and OMRI listed for organic production. 