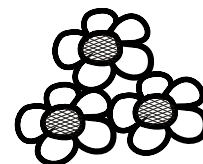


PyBo FACT SHEET



PyBo is so named because of the 'Py' from *pyrethrum* and the 'Bo' from *pbo* (piperonyl butoxide).

Approvals	The product is approved by the National Registration Authority in Canberra for use by conventional and organic commercial growers. The combination is also an approved input by Organic Certifiers, BFA and NASAA.
Active Constituents	80 g/L natural pyrethrins, 480 g/L piperonyl butoxide (a 1:6 synergist ratio) Pyrethrum is extracted from a daisy-like flower of the Chrysanthemum family.
Dilution Rate	1 ml to 1 litre of water is standard
Cost per litre	Based on the 200ml pack price, 22.5 cents/litre (\$3.26 to fill a 15 L knapsack) Based on the 1 litre pack price, 14.7 cents/litre (\$5.80 to fill a 40L tank) Based on the 20 litre pack price, 10.95 cents/litre (\$109.50 per 1,000 litres) These costs based on ex GST prices Oct 2002.
Pests controlled	There does not appear to be any insect resistance to natural pyrethrins. If you can hit the pest with the spray/mist droplets they will die within minutes. Insects which are inside the plant tissue such as fruit fly larvae, or scale insects protected by their waxy covering, or insects in the soil are not contacted and therefore not controlled. Aphids, ants, bugs, cabbage moth and other caterpillars, earwigs, leaf hoppers, thrips and whitefly are the label claims.
Crops	All fruit and vegetable crops, cut flowers, seedlings and ornamental leaf plants are the labeled crops. All tropical, citrus, pome, stone, nut, berry and olive fruit trees; all vine crops, tomato, capsicum, cucurbits, brassicas, leaf vegetables, root vegetables and strawberries have been successfully sprayed. You can harvest next day... 1 day withholding period.
Application Instructions	Success is absolutely dependent on the grower choosing the appropriate equipment and application rate to actually contact the pests with the mist or spray droplets. This can vary from around 100 litres per hectare on say linseed to 300-400 litres/ha on grapes or soybeans because of the extra foliage. Olives can be covered with about 2 litre/tree, big avocado or mango trees may require 4 litres/tree. We suggest spraying a few metres at your usual rate, stop and observe the coverage. Insects will be affected within minutes. Alter the rate if necessary and finish the job with confidence.
Residual life	Ultra-violet light degrades both ingredients rapidly. By spraying late in the day the residue will last overnight and kill those pests which might have been missed at application but which walked over or ate treated leaves overnight.
Stability	The concentrate will be stable for many years if stored in a shed.
Toxicity	Pyrethrins is rapidly degraded by humans and other mammals, however some people do have an allergic reaction. It is impossible to build up a chronic dose.
Phytotoxicity	There is no solvent in the formulation and no leaf burn has been observed at many times the recommended application rate
Compatibility	Pyrethrum is compatible with fungicides, seaweed, molasses and other foliar fertilisers. Combining applications will save time and costs.
In a Nutshell	No ifs, no buts, PyBo can be used on any crop and will kill all insects you can contact with a droplet. It is one of the least toxic sprays to use and, as one grower said, "it costs me less than 50 cents to get \$20-\$30 more crop per tree without hurting myself... to me, that's a real good deal!"

Please phone Ion Staunton at any time of the day or early evening for further information or to have a talk about the pests attacking your crop.

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