

Py-Bo Technical Report

CROP	Vegetables
PESTS	Green Veg Bug Grasshoppers

DATE: December 2001

PRODUCER: David Roby Alstonville

DISTRICT: North Coast of NSW

CROP STAGE: There were plots of broccoli, basil, and khol... All maturing.

PEST PROBLEM: The grasshoppers were green nymphs about 15-20mm long, some nymphs of the green vegetable bug and some loopers and caterpillars of the cabbage white butterfly causing damage to the leaves.

LIKELY HARVEST PROSPECTS: The crops were being damaged and marketability was being lessened.

PILOT TEST: Wed 5th December 2001 Temp 25C Light cloud.

PEST NUMBERS There were plenty of insects on the leaves of most plants

EQUIPMENT: 15 litre knapsack, hand pumped.

DILUTION & APPLICATION RATE: A thorough spray of 1 ml/litre solution was applied to wet the leaves. Brassicas are almost "waterproof" but the solution did wet the surface without the need of a wetting agent.

ASSESSMENT: Insects were immediately effected and dead within a few minutes. .

THE DOLLARS: The cost of the Py-Bo, (based on the most expensive-to-use, 200 ml pack) was \$3.37 for a full 15 litre knapsack.

SUMMARY: Because there is no residue, Py-Bo only kills the insects it hits. Beneficials from 'over the fence' can return... and will. Small plots of vegetables will always be vulnerable to attack from insects which come from surrounding plants. Populations build up quickly and can reduce flowering, fruit setting, and eat unsightly holes in leaf vegetables that make them less attractive to buyers. The small cost and immediate results from Py-Bo makes it a financial proposition to use whenever insect populations begin to threaten the growers income.

Insect and mite pests on any vegetable crop can be controlled same day by applying Py-Bo at 1 ml/litre by knapsack or power spraying equipment.

