

Integrated pest management for potato tuber moth

- progress report for October

A report prepared for

**New Zealand Vegetable & Potato
Growers Federation**

TJB Herman
November 1998

Confidential

Copy 10 of 10

Circulation of this report is restricted. Consult the author and
the Institute's Scientific Editor about obtaining further copies.
This report may not be copied in part or full.

*New Zealand Institute for Crop & Food Research Limited
Private Bag 4704, Christchurch, New Zealand*



CropInfo Confidential Report No. 549

**Integrated pest management for
potato tuber moth**
TJB Herman

Project title: **Integrated pest management for potato tuber moth**

Contract No: **VPG502**

Business: **New Zealand Vegetable and Potato Growers Federation (Vegfed)**

Institute: **New Zealand Institute for Crop & Food Research (Crop & Food Research)**

Report for: **October 1998**

Stage 3 (October 1998 - September 1999)

Integration and implementation of the IPM technology

The end of year report was submitted to Crop & Food Research's internal editing system for publication. The report has now been delivered to the project manager, Ron Gall, Vegfed.

I visited the exemplar growers to provide full results for their crops and discuss the overall results of the project with them. I have also been planning for the coming season and discussed these plans for the final season of research and their involvement with the exemplar growers. I plan to compare a prototype IPM programme with their conventional management and am requesting up to half a crop from each exemplar grower. Growers would apply their conventional PTM management practices on the other half of the crop.

Other activities during October

- I attended a team meeting (Crop Protection team) at Lincoln.
- The above meeting coincided with the PIRAG meeting, to which I presented my results to date.
- I gave a talk on PTM and aphids to Hawke's Bay and Wairarapa growers contracted to Heinz-Wattie and discussed what they could expect this year. I used results from this project to support my talk.
- I interviewed a number of Massey and Lincoln University students for a casual worker position to assist with my field work this season.

Two issues for the project team's attention

1. Compensation for extra damage

One of the growers has raised the issue of compensation because he is concerned that potatoes from the IPM-managed crop may be rejected at the factory due to PTM damage. I do not expect the IPM managed crop to incur significantly more damage than the conventionally managed crop. However, if this did happen, my harvest sampling would identify the situation and we could put appropriate procedures in place; namely, we could separate the potatoes at harvest and grade them. This would incur an extra cost. We would also discuss the situation with the processor involved to avoid the possibility of rejection.

2. European Association for Potato Research Conference, Sorrento, Italy, May 1999

I have only recently received information on this conference. One of the five special symposia is on PTM and I have just had a poster accepted for presentation at the conference. The programme covers most aspects of potato research and I would be interested in attending as many sessions as possible. I am now actively seeking funding to attend the conference which I estimate would cost approximately \$5000.00. I also plan to contact a researcher in Switzerland who has been modelling aspects of PTM in Tunisia and may seek another \$1000.00 to spend a week with him.

I would like to discuss both issues at the next project team meeting.

Tim Herman

Grower/Processor time in TBG project: Integrated control of potato tuber moth, October 1998

Date	Name	Task	# hours	value
29/10	Spencer/Wilcox	revision of 1997/98 results, planning 1998/99	2.5	\$337.50
29/10	Chapman/Julian	ditto	2.5	\$337.50
30/10	Moleta/Fraser	ditto	2.0	\$200.00
			total	\$875.00
Other				
Processor - grower liaison			7.0	\$542.50
Project team (9 reps)- September end of year report @ 1.5 hour			15.0	(\$937.50)
			TOTAL	\$1417.50

Chapman, Wilcox, Julian @ \$85/hour
 Spencer, Moleta, Fraser @ \$50/hour
 Processors @ \$85/hour
 Project team 5 reps @ \$85/hour, 4 reps @ \$50/hour

In-kind Contributions, Year 3

	budget	this month	total to date
Growers	\$31 000	\$ 977.50	\$ 977.50
Processors	\$ 9 500	\$ 440.00	\$ 440.00
(Executive)	(\$12 500)		
TOTAL	\$53 000	\$1 417.50	\$1 417.50

Integrated pest management for potato tuber moth

TBG project

Invoice information

Period: October 1998

Item			Cost
Labour	Tim Herman	109 hours	
	_____	___ hours	
	casual staff	___ hours	
		total	\$ 5 791
Overheads			\$ 3 474
Operating			\$ 3 152
		subtotal	\$12 147
		GST	\$ 1 552.12
		TOTAL	\$13 969.12

Tim Herman
Crop & Food Research





