

FINAL REPORT

WTFRC Project # 13C-3343-8122

Project title: GLP Magnitude of Residue Field Trials for thiacloprid, bifentazate and (AVG)¹.

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Organization: Department of Entomology, WSU

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Objectives: To conduct the field phase of GLP magnitude of residue studies as outlined by the USDA IR-4 Project for the crop protection chemistries thiacloprid, bifentazate, and AVG.

Significant findings:

Thiacloprid is a second generation neo-nicotinyl compound that is produced by Bayer Chemical Company and will likely be marketed under the trade name Calypso™. A major advantage of thiacloprid compared to imidacloprid (Pravado™) is its' wider spectrum of control activity on many types of pest insects.

Bifentazate is a acaricide miticide that has been granted reduced risk status by the US EPA. Bifentazate will be marketed by Uniroyal on food crops under the trade name Acramite®. Bifentazate has proven to be a highly effective miticide against mite pests on cherries produced in Michigan.

AVG is a plant growth regulator marketed under the trade name Retain by Valent BioScience. AVG improves harvest management by inhibiting Ethylene Biosynthesis. Sweet cherries will be the second treefruit crop on which this product will be registered as a post-harvest treatment. Jim Adaskaveg at U.C. Riverside and Peter Sanderson, with the Tree Fruit Research Commission are familiar with this product and are encouraged by how its' use improves shelf life for cherries.

Methods: All three of these GLP magnitude of residue studies were conducted under a detailed protocol. If asked we can provide a copy of part or the complete field data book for each of these projects.

Budget:

Original budget request: \$7,500. Amount granted TFRC, \$7,000. A companion proposal was funded by the Washington State Commission on Pesticide Registration for \$5,000.

Fund Appropriation to date.

Year 2001-2002	Year 1 (2001)	Year 2	Year 3
Total	17,870		

Current year breakdown

Item	Year 1 (2001) TFRC	Year 1 (WSCPR)	Year 2 & 3
Salaries	4,936.00 ¹		n/a
Benefits	1,500.00		n/a
Wages		1,352.00 ²	n/a
Benefits		433.58	n/a
Equipment			n/a
Supplies		3,214.42 ³	n/a
Travel			n/a
Miscellaneous			n/a
Total			n/a

Residual funds of \$564 remain as of 10/15/2001. These residual funds will be used for office/clerical time to address concerns that may arise from audits by quality assurance inspectors.

1/ Wilson Peng- Ag Res. Tech I. 2 mo @ \$2,468/mo + 34% benefits

2/ Epristo Milanez @ \$11/hour for 123 hours + 32% benefits

3/ Supplies

Date	Vendor	Amount
03/08	Inkwell and Paper Co	49.36
05/04	Forestry Suppliers	206.99
05/14	Gemplers	379.08
06/25	Lower Valley Machine Shop	90.13
07/02	G & R Ag Peroducts	198.98
07/02	Cole Palmer	280.05
07/02	Lock Shop	4.84
07/02	McMaster	47.34
07/02	Trece	104.09
07/05	Office Max	208.09
07/06	Valley Pipe	92.71
07/07	VWR Scioentific	44.66
07/07	Bioquip	495.66
07/15	Gempler's & Big K	490.71
07/24	Gemplers	23.41
08/17	J&M Specialty Welding	162.00
08/20	ACDS - Ag Chem Dev Svcs	116.32
08/20	Anderson Equipment	69.57
08/20	Tom Denchel Ford	42.31
09/24	Brown & Cole Stores	54.46
09/24	Cook's Hardware	53.66

