

Insect Management in Lettuce

- 2003 Research Update -





Where do Avaunt and Intrepid fit in Fall Management Programs?

When and How much?


 **Dow AgroSciences**

Intrepid*
2F
Insecticide

 **DU PONT®**

DuPont™ Avaunt®
insecticide

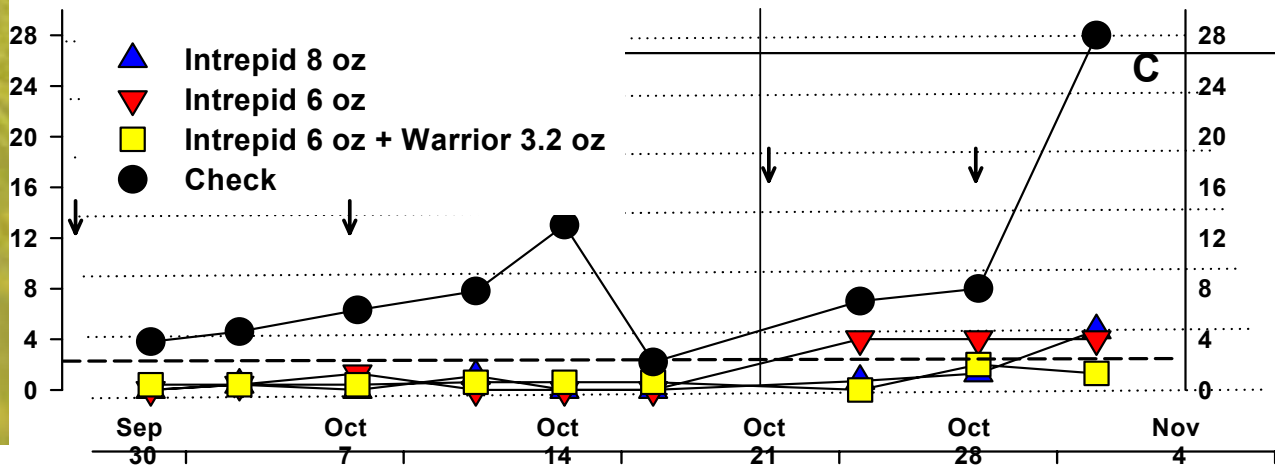
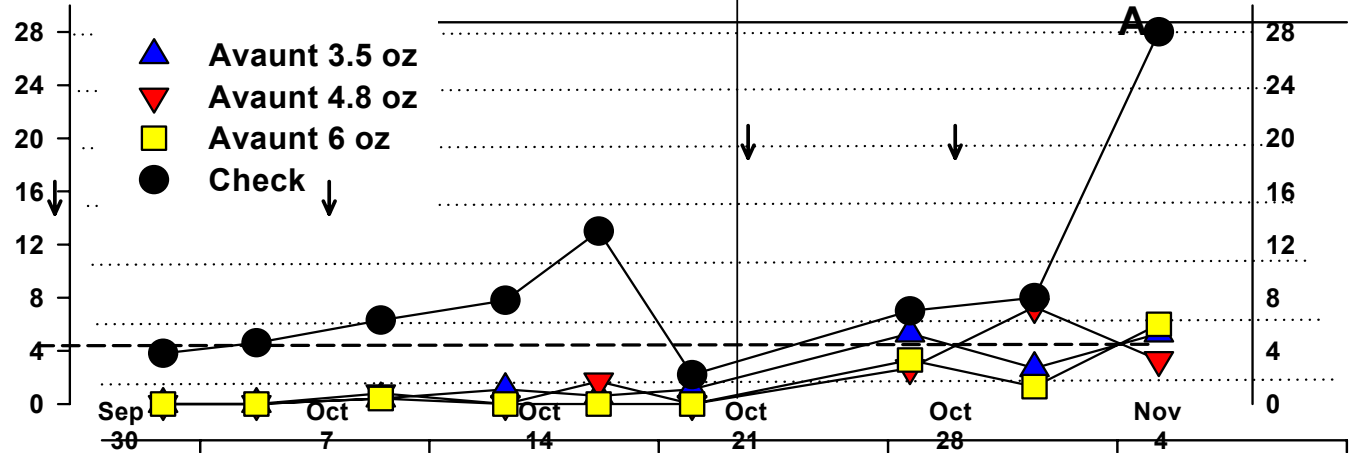
	Stand Establishment		Post-thinning to Pre-heading			Heading to Harvest		
	<i>Coty</i>	<i>2-4 lf</i>	<i>4-8 lf</i>	<i>9-14 lf</i>	<i>Pre-heading</i>	<i>Early Head</i>	<i>Head 2-4"</i>	<i>Head >4"</i>
Success	Stand-alone application	Stand-alone application	Stand-alone application	Stand-alone application	Stand-alone application	Stand-alone application	Stand-alone application	Tank-mix application
Proclaim	Stand-alone application	Stand-alone application	Stand-alone application	Stand-alone application	Stand-alone application	Stand-alone application	Stand-alone application	Tank-mix application
Avaunt	Stand-alone application	Stand-alone application	Stand-alone application	Stand-alone application	Tank-mix application	Tank-mix application	Stand-alone application	Stand-alone application
Intrepid	Stand-alone application	Stand-alone application	Stand-alone application	Stand-alone application	Tank-mix application	Tank-mix application	Stand-alone application	Stand-alone application
Confirm	Stand-alone application	Stand-alone application	Tank-mix application	Tank-mix application	Stand-alone application	Stand-alone application	Stand-alone application	Stand-alone application
Lannate	Tank-mix application	Tank-mix application	Tank-mix application	Tank-mix application	Tank-mix application	Tank-mix application	Tank-mix application	Tank-mix application
Larvin	Stand-alone application	Stand-alone application	Tank-mix application	Tank-mix application	Stand-alone application	Stand-alone application	Stand-alone application	Stand-alone application
Orthene or Endosulfan	Stand-alone application	Stand-alone application	Tank-mix application	Tank-mix application	Stand-alone application	Stand-alone application	Stand-alone application	Stand-alone application

 **Stand-alone application**
 **Tank-mix application**

Efficacy of Avaunt and Intrepid on Head Lettuce

Thinning

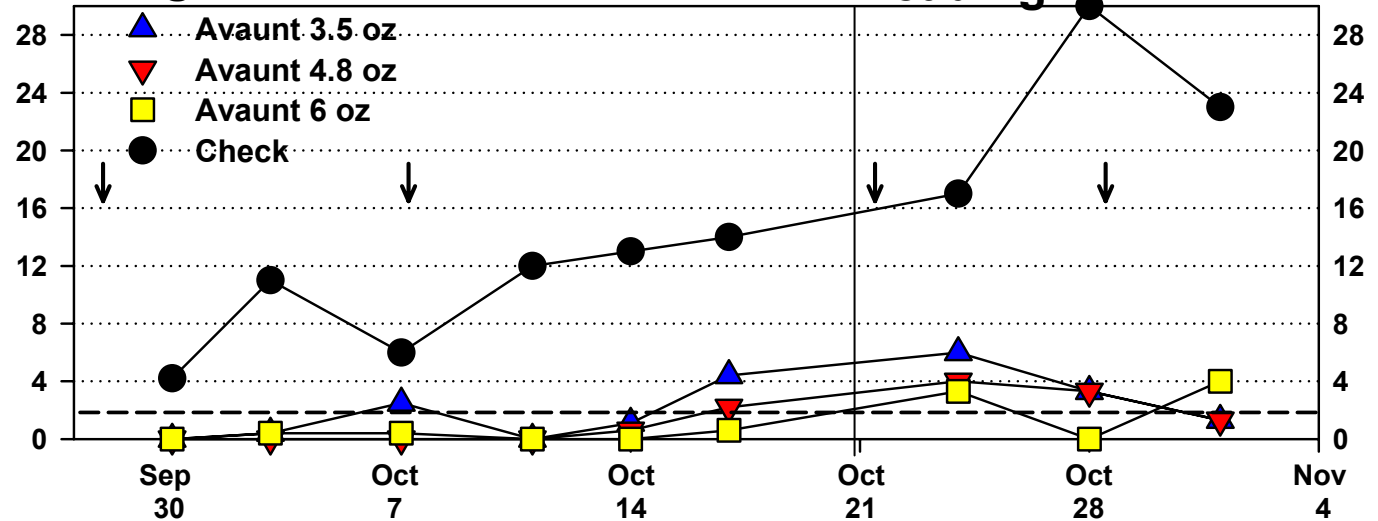
Heading



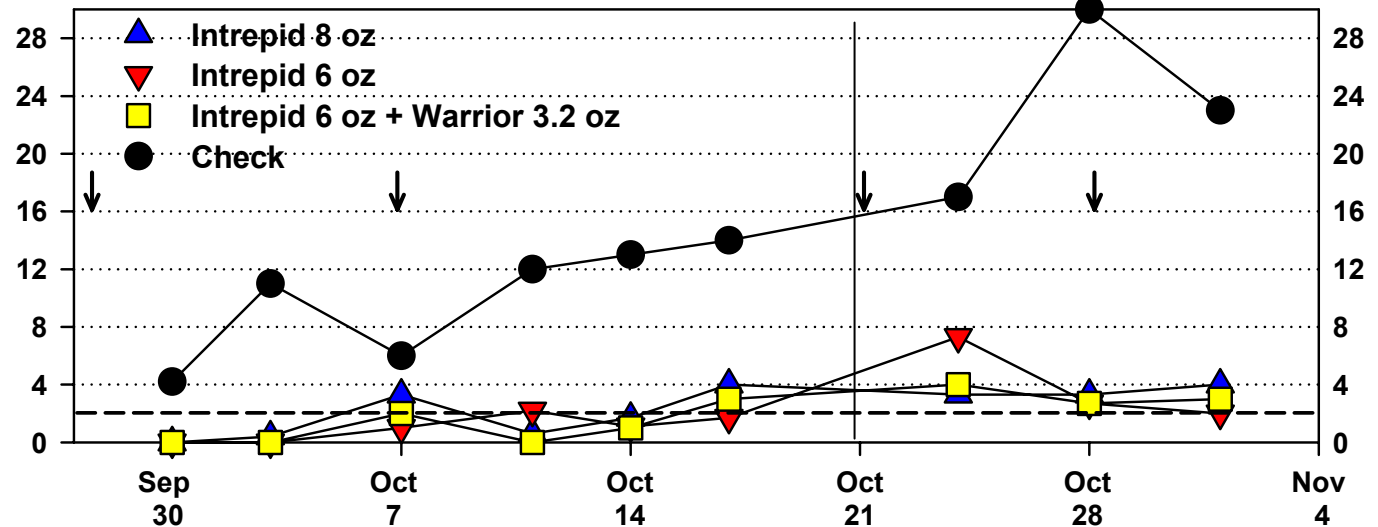
Efficacy of Avaunt and Intrepid on Head Lettuce




Thinning



Heading



	Stand Establishment		Post-thinning to Pre-heading			Heading to Harvest		
	Coty	2-4 lf	4-8 lf	9-14 lf	Pre-heading	Early Head	Head 2-4"	Head >4"
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Larvin			Tank-mix application	Tank-mix application				
Orthene Endosulfan			Tank-mix application	Tank-mix application				

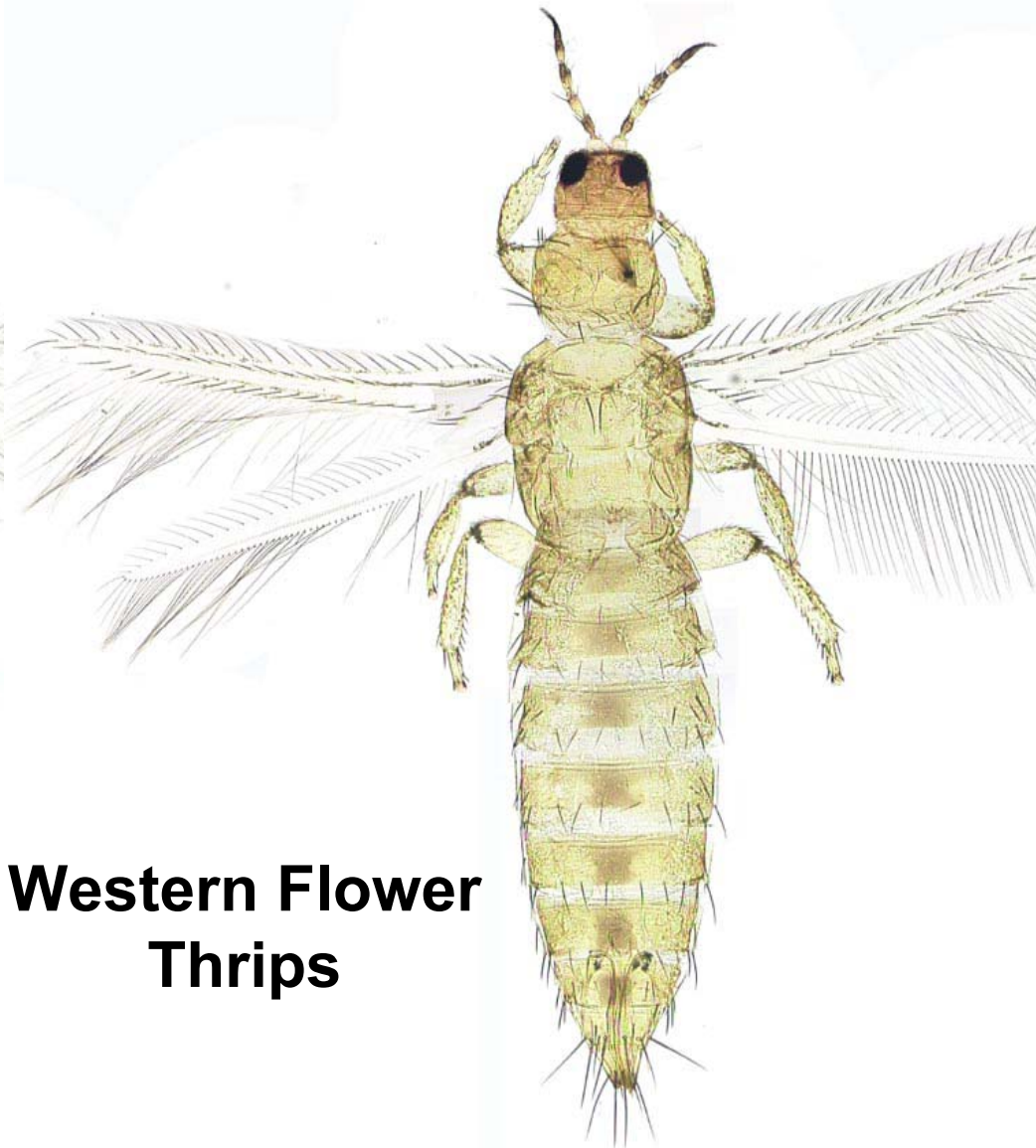
 Stand-alone application
 Tank-mix application



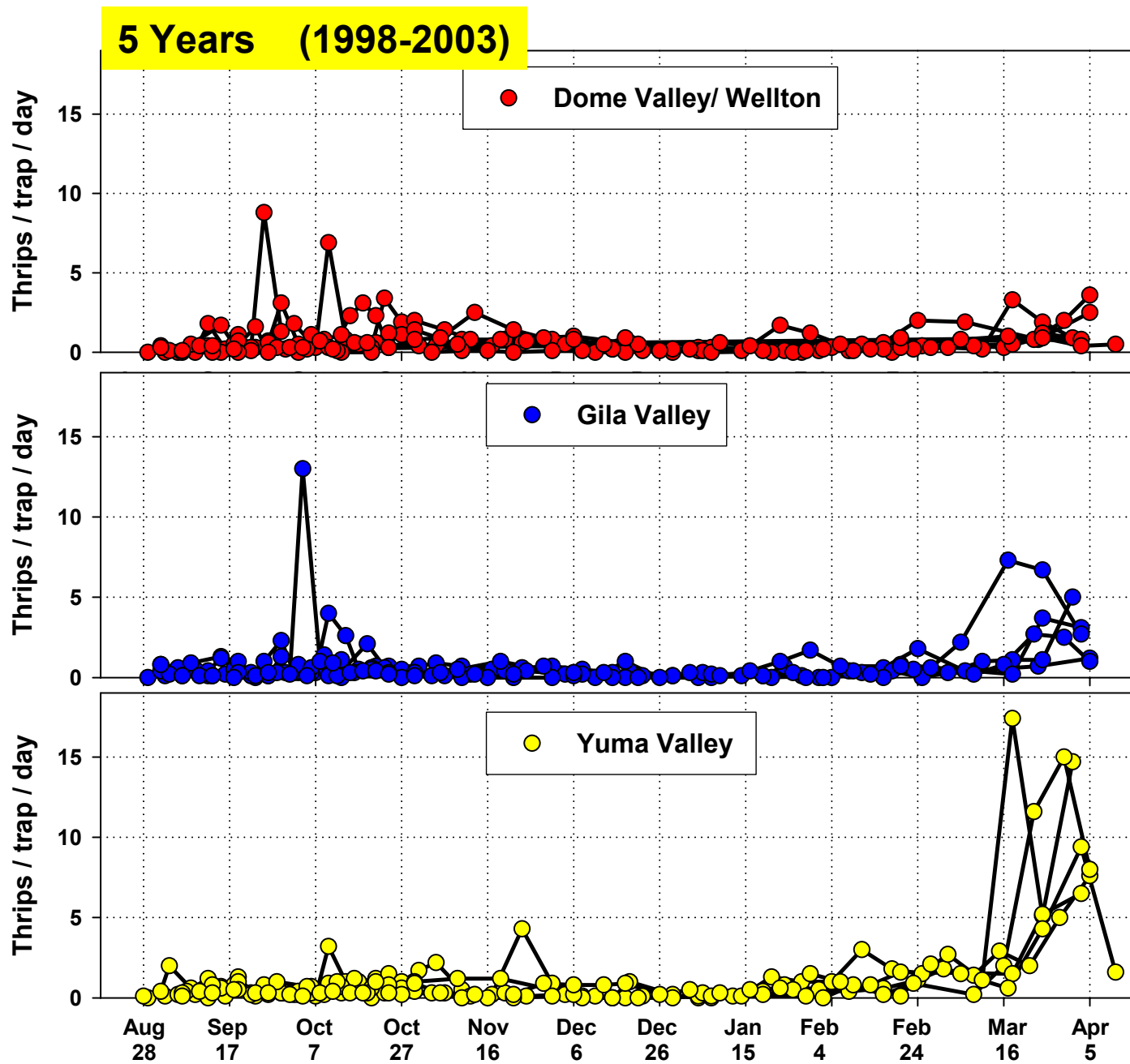
Thrips Ecology and Management



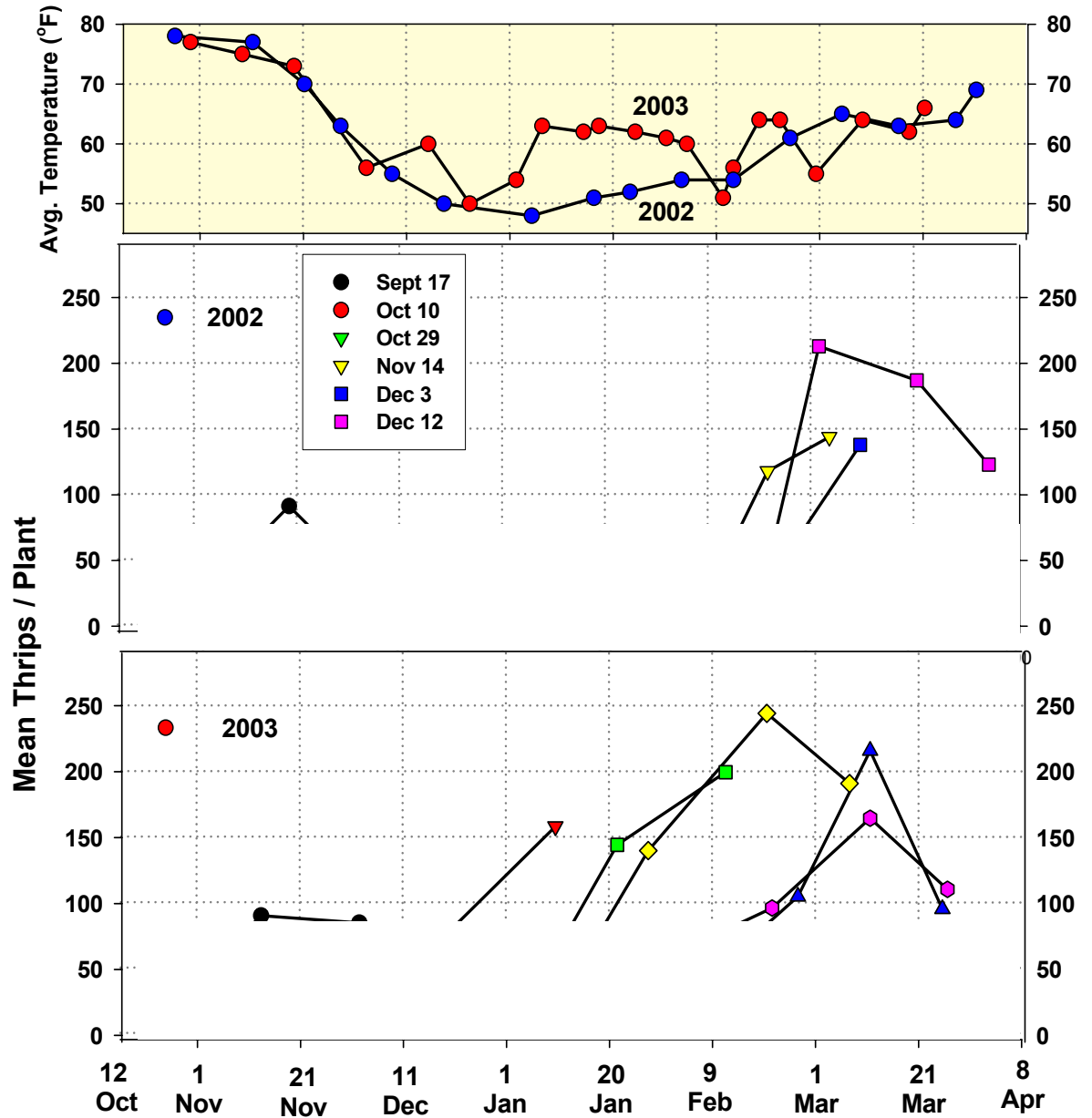
**Onion
Thrips**



**Western Flower
Thrips**



Thrips in Head Lettuce - Planting Dates 2002-2003



Thrips Sampling



Absolute Sampling

Counting all thrips with a
Plant Wash technique











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DATE



Beat Pan

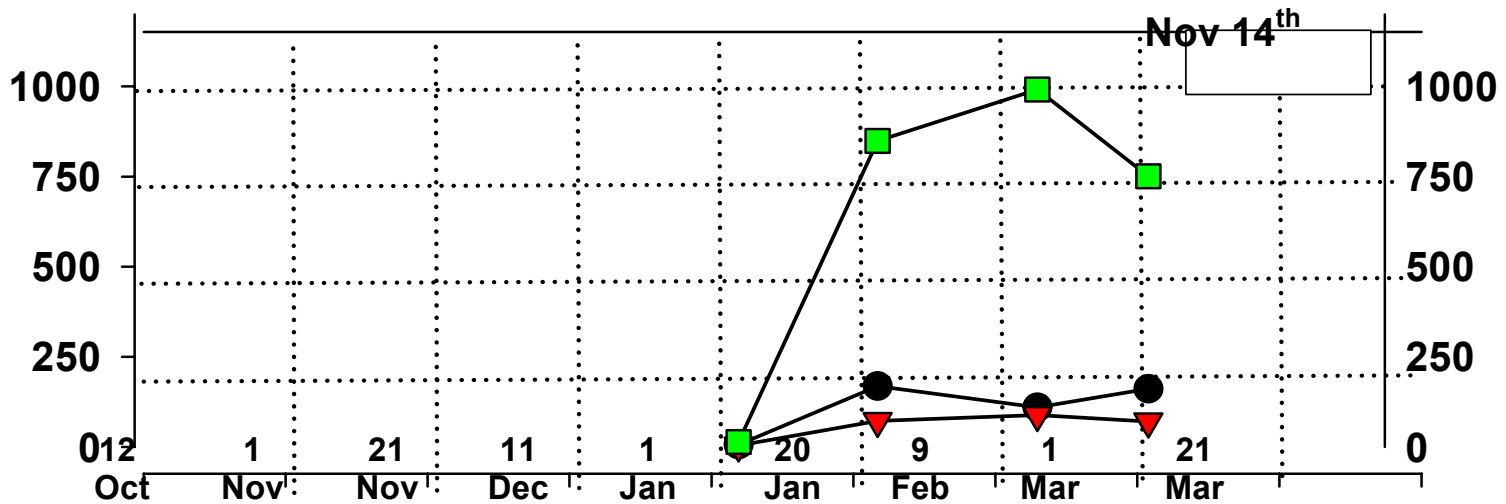
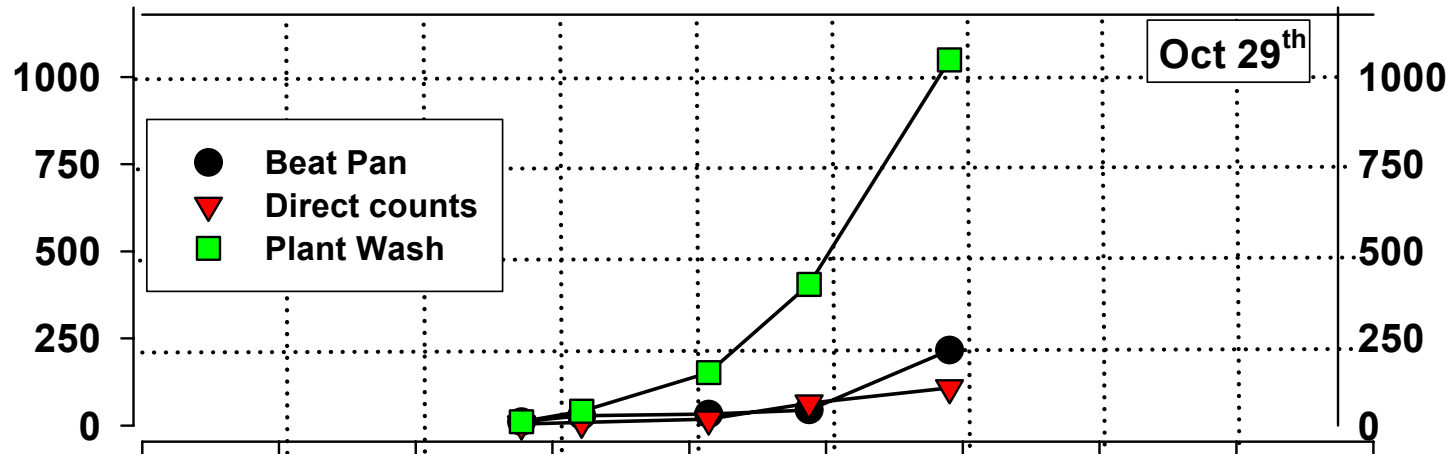




Direct Visual Counts

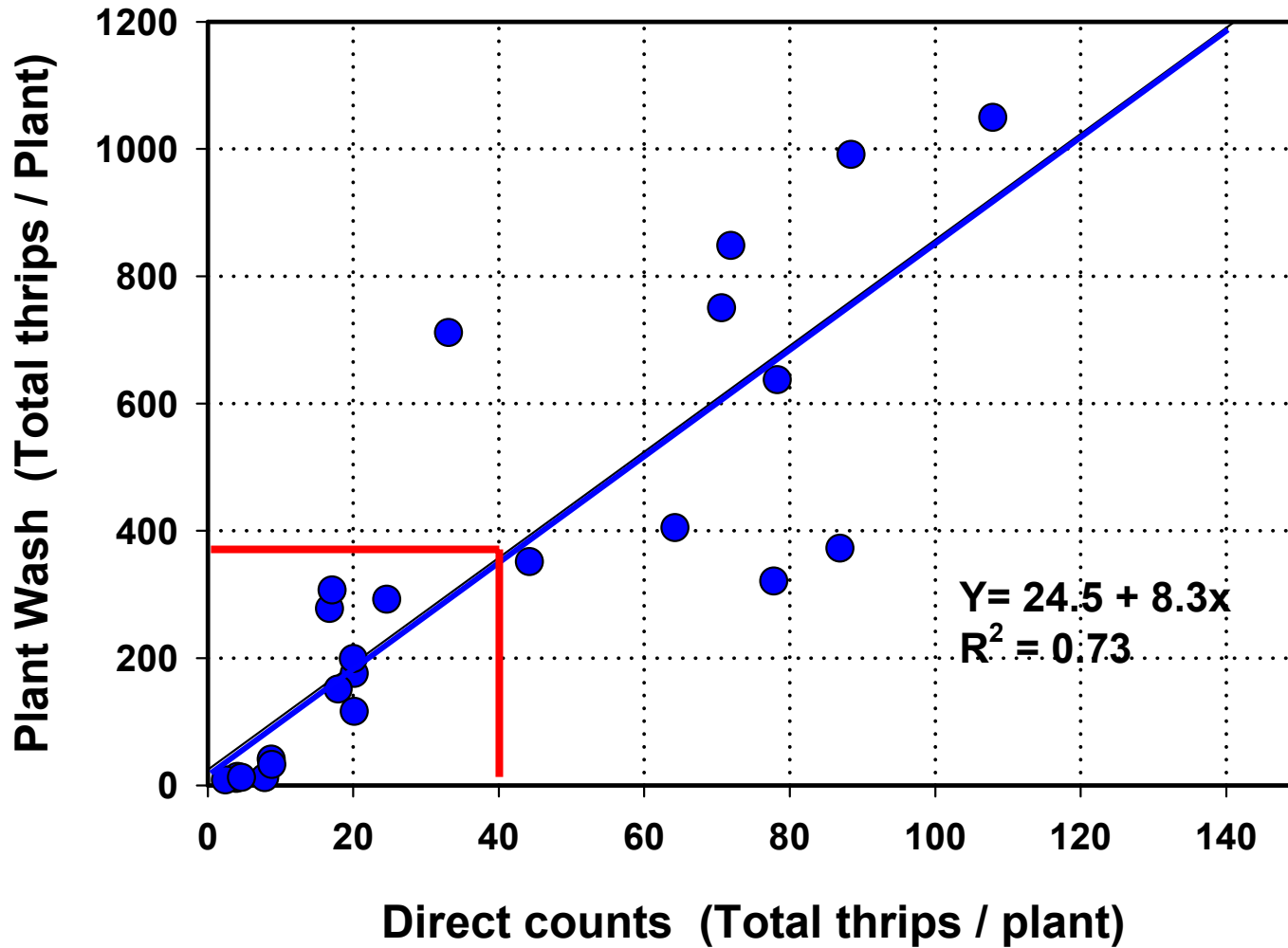


Population Dynamics of Thrips in Head Lettuce 2003



Direct Visual Counts (n=27)

~ 12 % of what was actually on plant



Beat Pan Counts (n=27)

~ 20 % of what was actually on plant

