

# Peach Twig Borer Management in Northern Utah: 2004

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*Anarsia lineatella*  
Peach Twig Borer



# Twig Borer Life Cycle



# Typical Fruit Damage



# Trapping Results: 2004

- Total PTB: **4,153**
- Average per trap: **233**
  - Duration: April-October
- *Ave. per block:* **461**
  - Boxelder County: 1,610
  - Utah County: 61

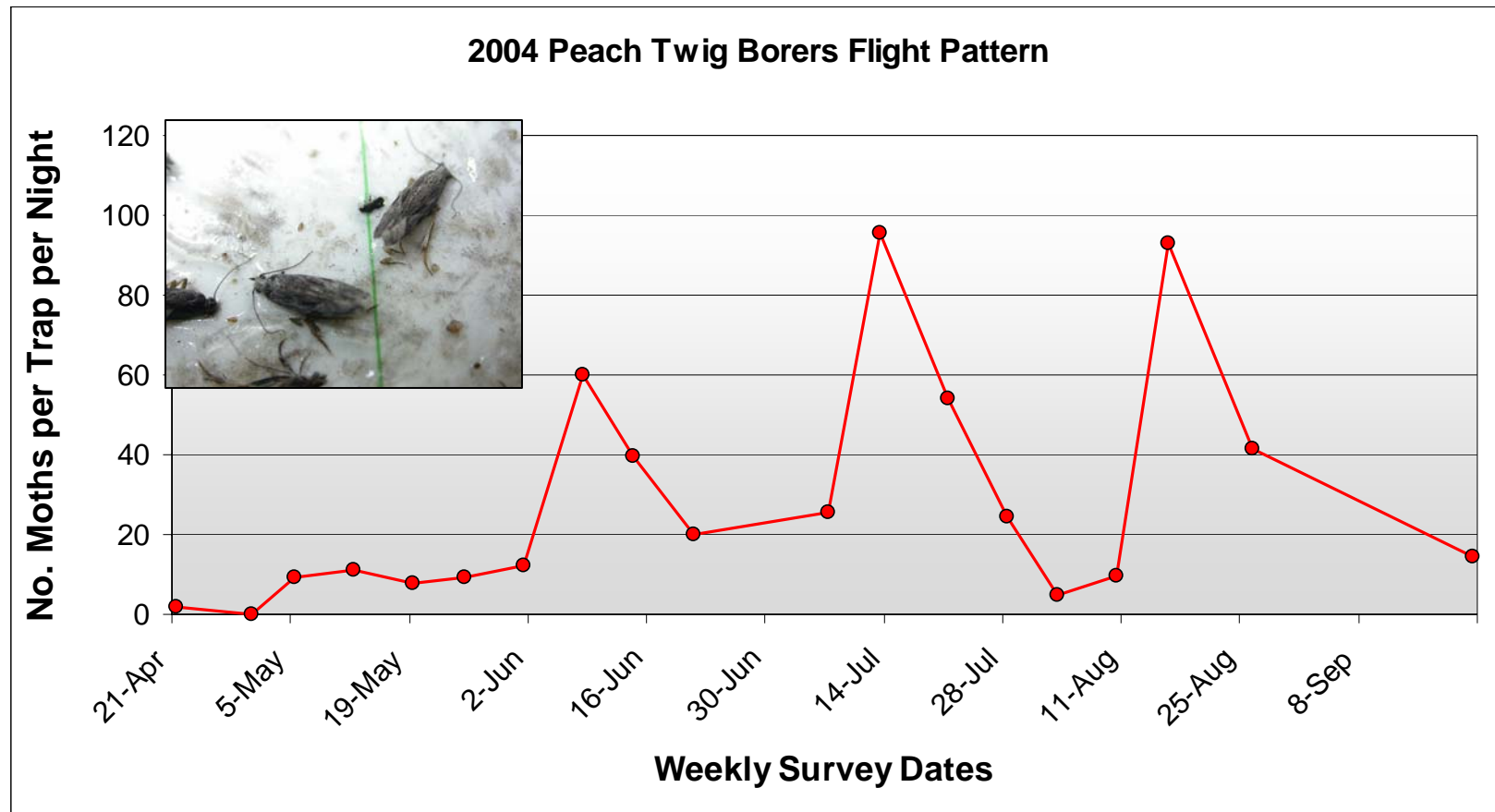
Site	Total PTB	Per-Trap
Perry	2563	1282
Willard	656	328
Kaysville	570	285
Payson	86	43
Santaquin	1	0.5
N. Santaquin	33	33
Genola	4	2
WMO	91	45.5
Lincoln Pt.	149	74.5
<b>Overall:</b>	<b>4153</b>	
<b>Average:</b>	<b>461</b>	<b>233</b>

# Trapping Results: 2003

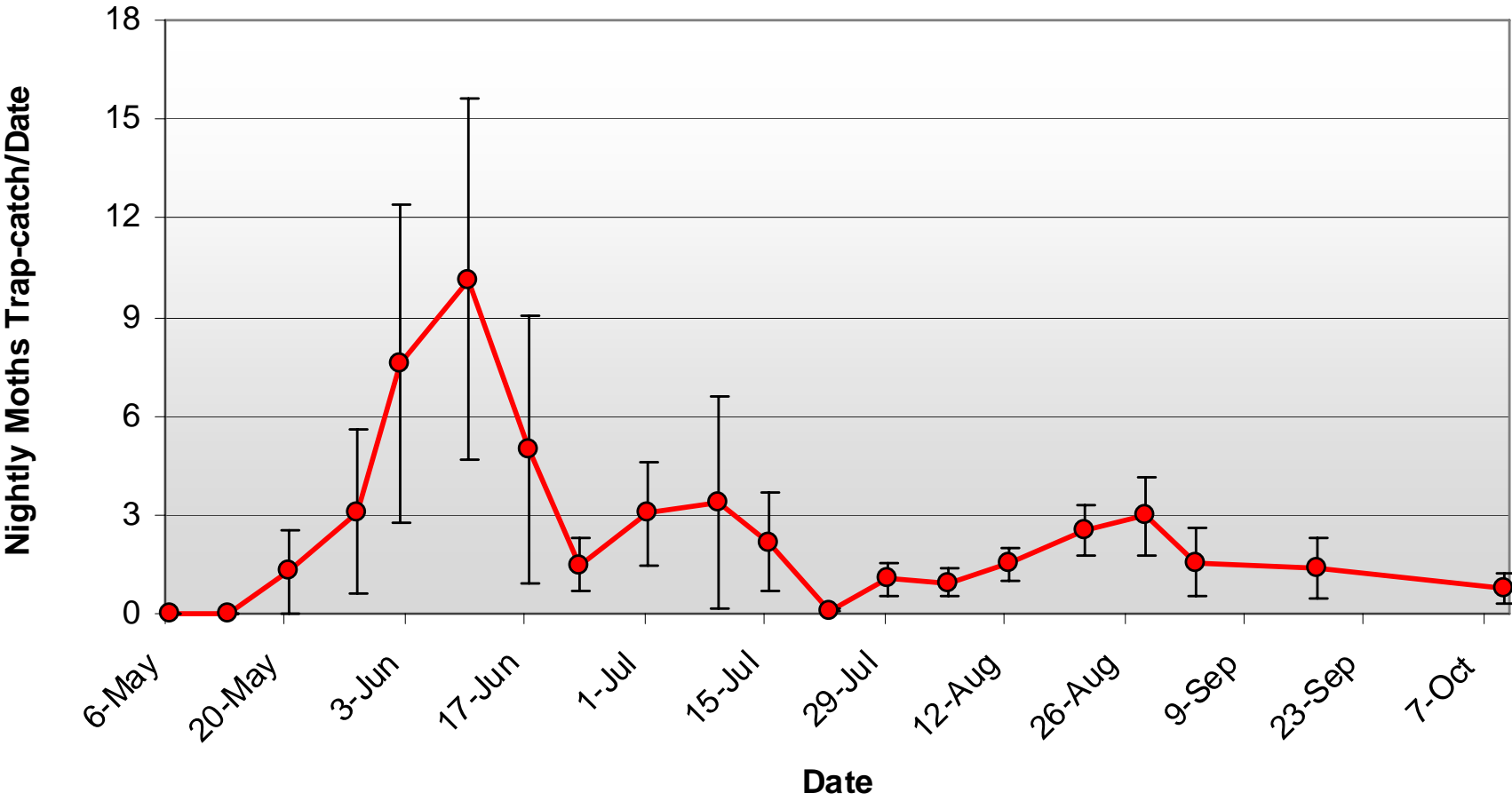
- Total PTB: **4,863**
- Average per trap: **413**
  - Duration: April-October
- *Ave. per block:* **608**
  - Boxelder County: 1,976
  - Utah County: 131

Site	Total PTB	Per-Trap
Perry	3388	1694
Willard	564	282
Kaysville	256	128
Payson	19	9.5
Santaquin	60	30
N. Santaquin	91	91
Genola	83	41.5
Lincoln Pt.	402	201
<b>Overall:</b>	<b>4863</b>	
<b>Average:</b>	<b>608</b>	<b>413</b>

# 2004 Peach Twig Borer Flight



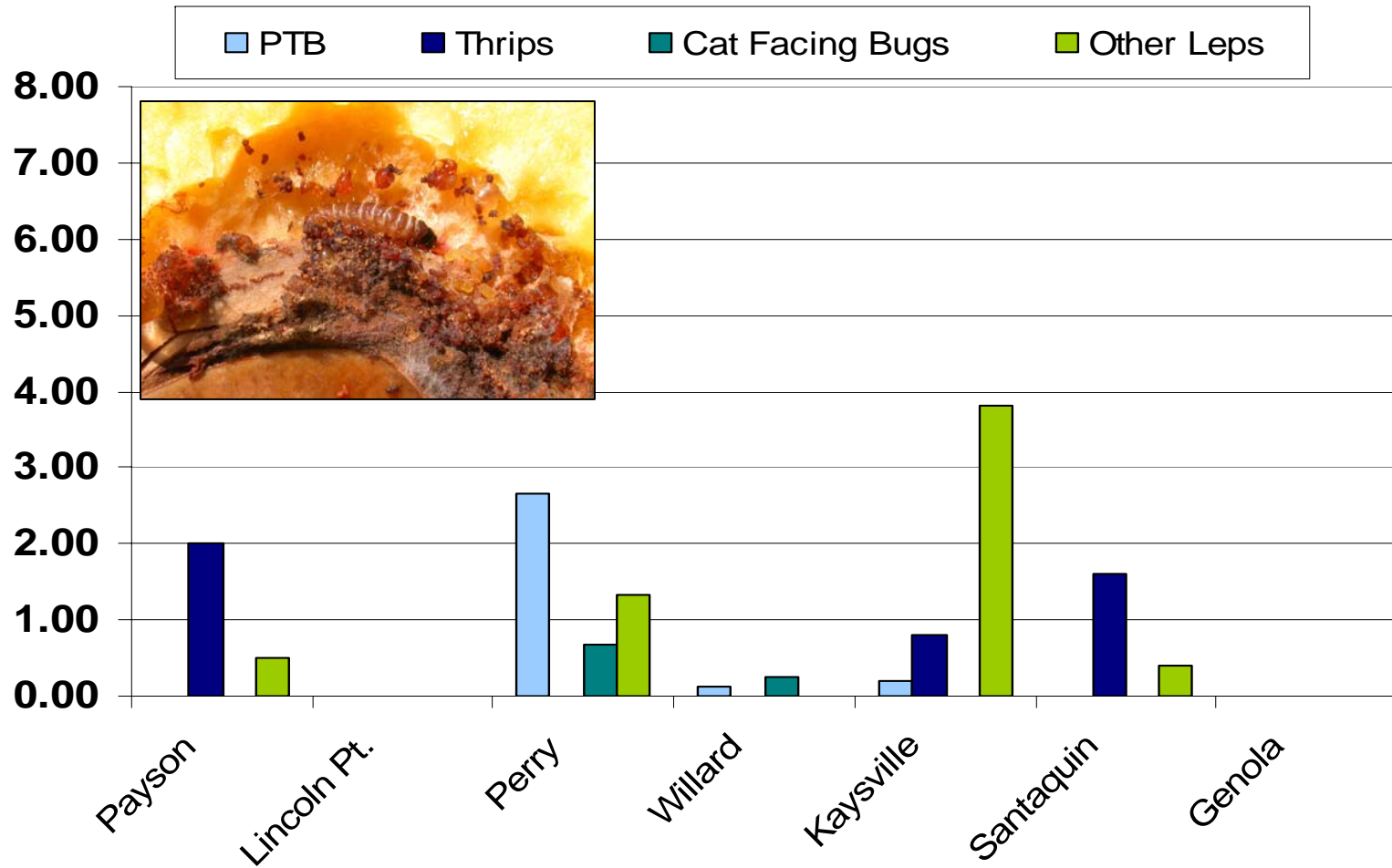
### 2003 Peach Twig Borer Flight Pattern







# Peach Harvest Damage (%)

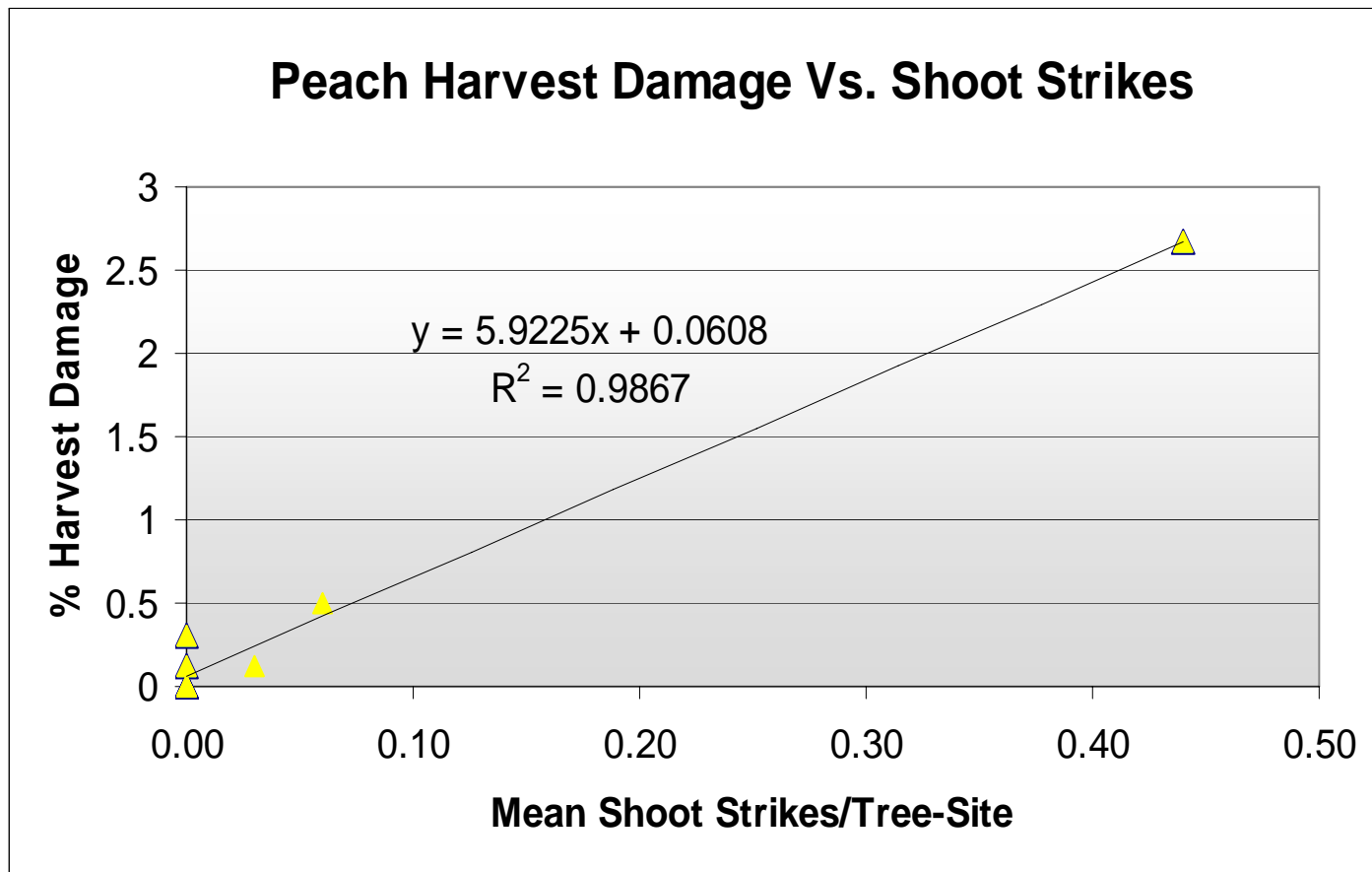




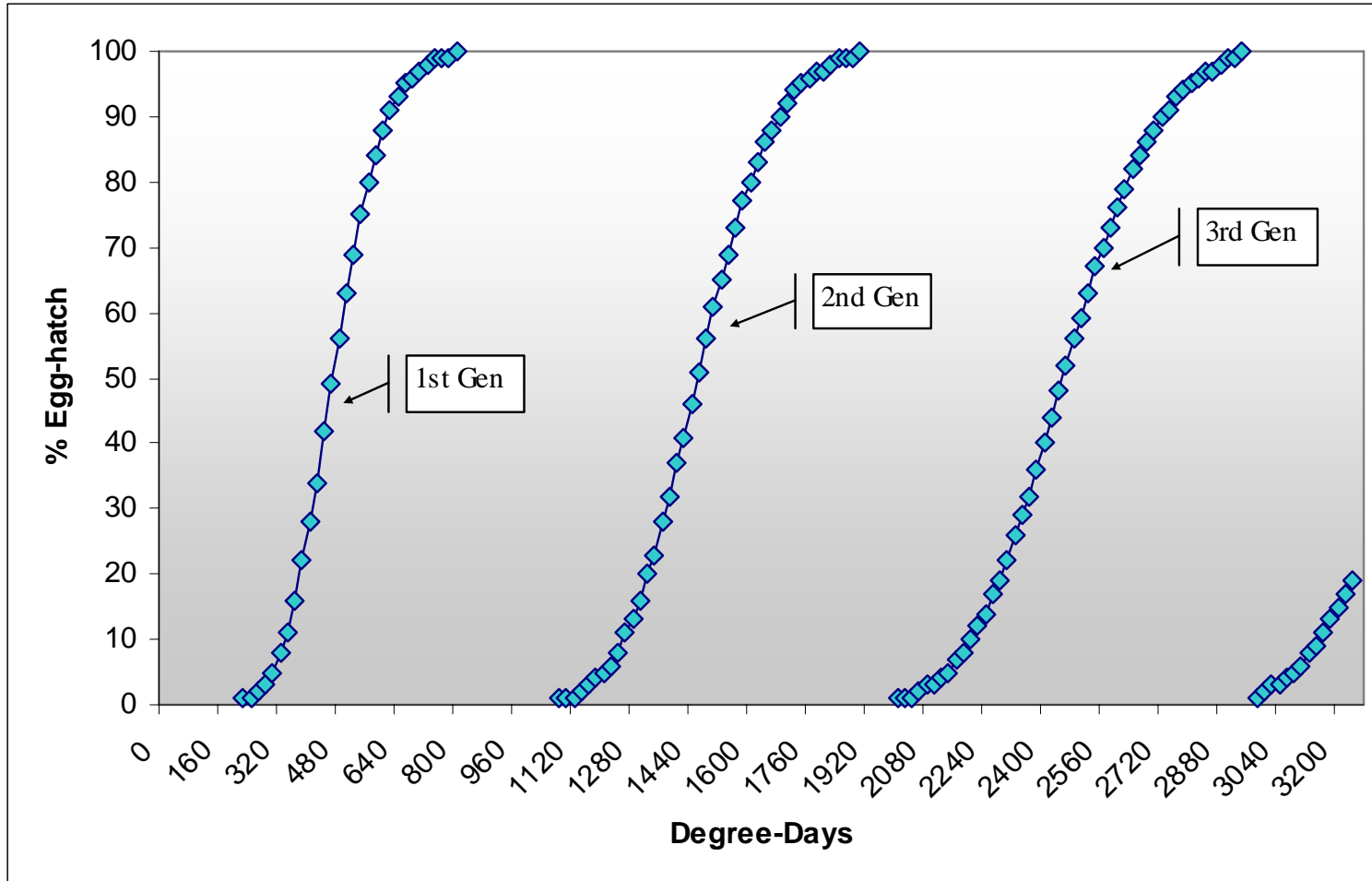
## 2004 Shoot Strikes

Orchard Site	Mean Strikes/tree	Harvest Damage (%)
Payson Peaches	0.0	0.0
LP Nectarines	0.0	0.0
Perry Peaches	0.44	2.7
Willard Peaches	0.0	0.1
Kaysville Peaches	0.0	0.3
Santaquin Peaches	0.0	0.0
Genola Peaches	0.0	0.0

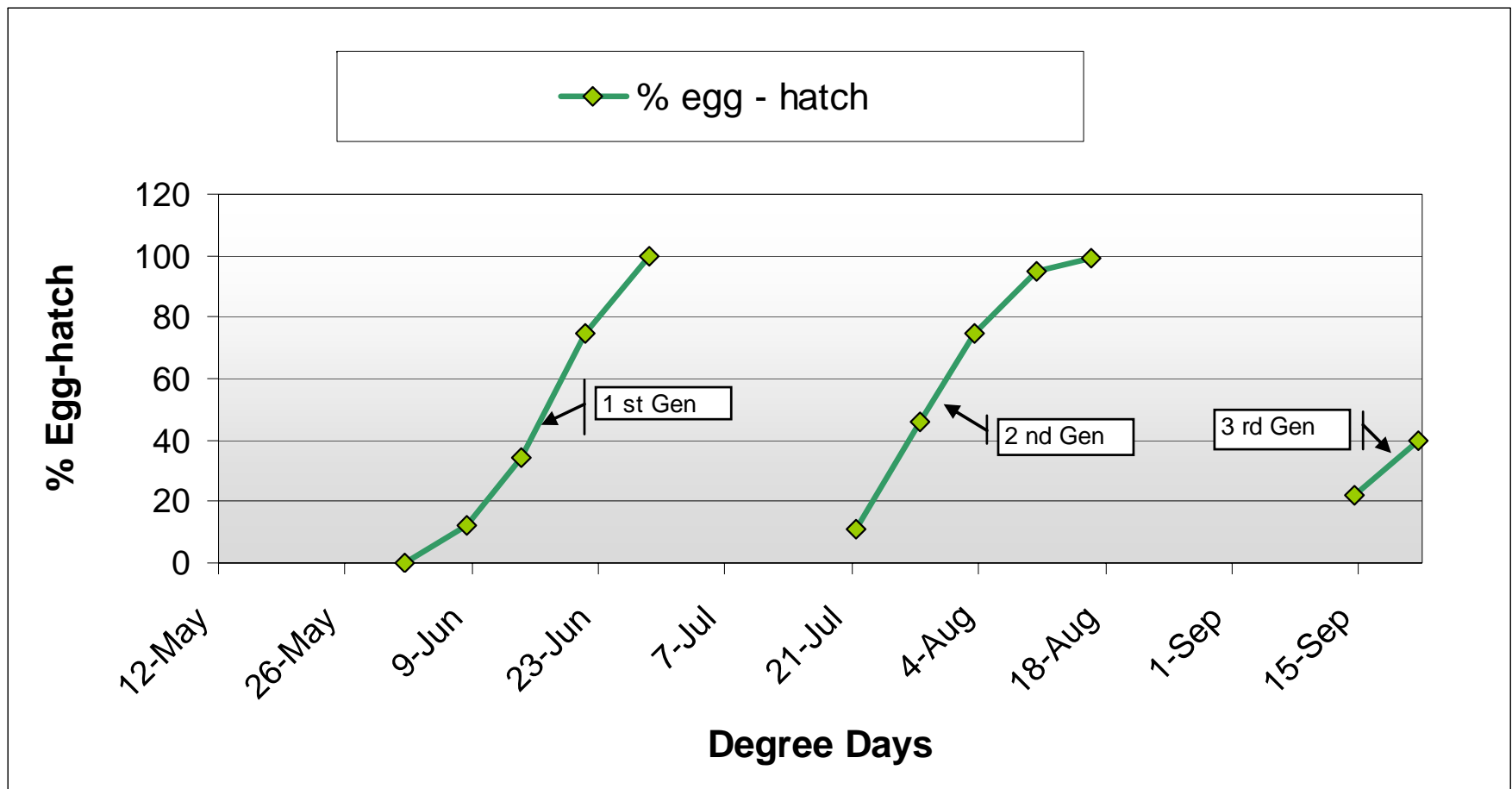
# Correlation between Strikes and Damage



# Percent PTB Egg-hatch



# 2004 Egg-hatch Relative to Date



# Summary and Strategies for 2004

- Accurate trapping is key to precision in management.
- Average DDs for first moth emergence in 2004:
  - **398 ± 42 DDs, counting from March 1<sup>st</sup>.**
  - get traps out ~ 250 DDs to ensure reliable biofix.
- 2004 was a “light year” for PTB, but monitoring this season should not be reduced.
- If PTB was a significant pest last year, consider delayed-dormant spray of oil (2%) with Asana. Otherwise, bloomtime sprays of Bt and/or spinosad will be effective.
- First generation sprays may need to be initiated at 300-400 DD post-biofix.



# Acknowledgments

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