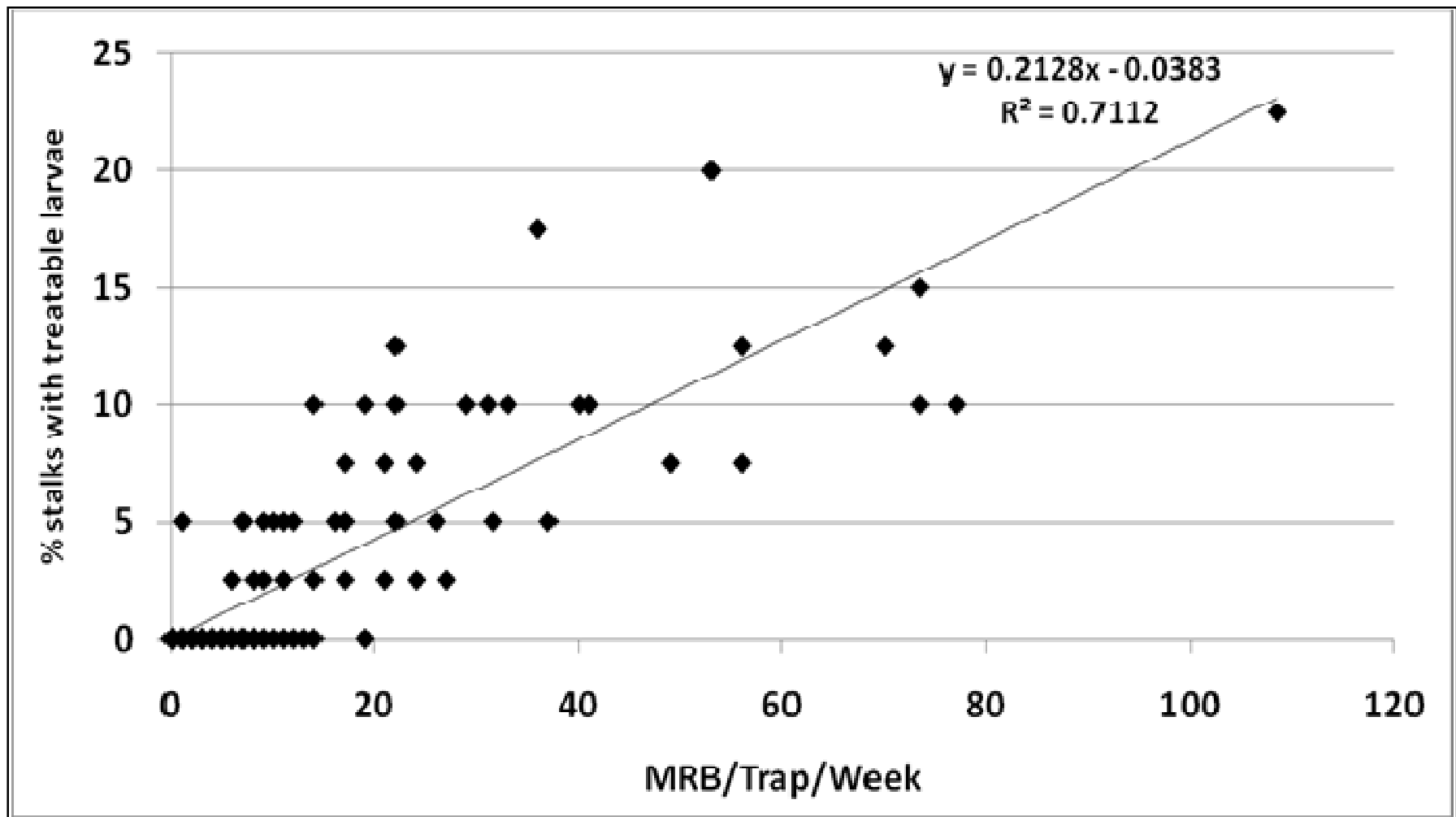


The relationship between pheromone trap catch and larval infestation. Lower Rio Grande Valley



Rio Grande Valley Large Plot Aerial Insecticide Test for MRB control, 2009 and 2010

Treatment	Rate	Year	% Bored Internodes	Emergence Per stalk
Untreated	NA	2009	16.91a	0.573
		2010	24.66a	0.715
β-cyfluthrin	2.8 oz/a	2009	12.52ab	0.458
(Baythroid[®])		2010	10.13b	0.38
Novaluron	12 oz/a	2009	7.712b	0.339
(Diamond[®])		2010	7.07b	0.167

Sugarcane borer injury

Treatment	Rate	% Bored Internodes	Emergence Holes per Stalk
Confirm	6 oz/acre	4.92 B	0.162 A
Coragen	5 oz/acre	4.53 B	0.022 A
Diamond	12 oz/acre	5.42 B	0.07 A
Untreated	NA	14.9 A	0.822 A



**Plant-Insect
Ecosystems
Section**

ESA Liaison Presentation Regarding Work at US-EPA Office of Pesticide Programs

*-Gene Reagan,
Austin C. Thompson
Professor of Entomology
Louisiana State University*

Service as ESA Subject Matter Expert and Liaison to US-EPA Office of Pesticide Programs

■ **Concept of Work**

- Provide insight and perspectives toward *practical aspects* of pesticide label development (esp. insecticides and miticides).
- Provide information and *contacts* with scientists from ESA sections, practitioners and stakeholders.
- Participate as appropriate in working *group meetings* on pesticide registration and labeling.
- *Facilitate use* of technical entry *information* as needed to clarify scientific issues re. public understanding and stakeholders.

■ **Perspective**

- Serve as an *academic resource* to assist EPA in making informed decisions—provide objective, non-biased information.

■ **Impact Goal**

- Direction for credible scientific cooperation.
- Objective resource for networking information to EPA.
- Improve and support the process of pesticide registration and regulation.



ESA Participation During Fall 2010 - Office of Pesticide Programs

- **Interactions with 4 Branch Chiefs**
 - Insecticide-Rodenticide; Insecticide Branch-Registration; Benefits and Economics Analysis; Risk Integration, Minor Use and Emergency Response.
- **Cross-discipline collaboration**
 - WSSA Liaison, Jill Schroeder (NMSU); APS Liaison, Frank Wong (UC-Davis); and Harold Coble, USDA Office of Pest Management Policy
- **Division Meetings**
 - Bedbug insecticide efficacy label review (317 labels)
 - Department of Defense/EPA pesticide registration (outside US) work group
 - Pesticide resistance work group--MOA and Management



EPA Work (contd)

- **Branch Meetings**

- Brown marmorated stinkbug
- Insecticide resistance management (multiple meetings)
- Risk assessment and pesticide residues
- Termiticide efficacy

- **AFBF meetings and other public meetings**

- Application technology and atrazine

- **Other Issues**

- Access to ESA publications (for non-ESA members)
- Cross discipline approaches to resistance management (specific strategies not identical)

