

MUVE Section Symposium: Engaging people from diverse fields in urban IPM programs

Breaking the Language Barrier in IPM Programs

Carlos E. Bográn
(c-bogran@tamu.edu)
Department of Entomology
Texas AgriLife Extension Service



AgriLIFE EXTENSION

Production and maintenance of ornamental plants is labor intensive

- Manual propagation, plant potting and repotting, watering, pruning, spacing, weeding, and packaging
- Avg. US floriculture grower employs
 15.5 workers
- Range between 2.1 51.6 based on size and sales volume
- More than 240,000 workers in US floriculture industry



Workforce Demographics

- In Texas and other producing states, most field workers are Hispanic (up to 95%)
- Most have not received training in plant production and protection
- 65% no high school, 18% no 6th grade, 7% 1 year or less of formal education





Educational programs are needed in Spanish that take into account

- Diversity in educational background of participants
- Cultural differences in learning, attitudes
- Differences in language use due to country of origin, etc.





Workforce Education

Armed with basic knowledge, field workers are in the position to:

- 1. Understand their role in successful implementation of IPM
- 2. Actively participate in sanitation, pest detection and monitoring practices
- 3. Directly contribute in efforts to increase profitability and reduce risks



Taller MIP- IPM Workshop

- Education program for Hispanic and field workers and supervisors
- Sponsored by industry and leading growers
- 5, 1-2 hour modules to increase knowledge and skills
- IPM, plant health, biology of pests/ pathogens, pesticide management, integration of tactics
- Train the trainer



AgriLIFE EXTENSION



Taller MIP- IPM Workshop

- Informal classroom setting and field demonstration of basic concepts
- Must include basic information on plant requirements and growing practices
- Programs include social time (lunch provided)
- Emphasis on personal growth and professional development, team building



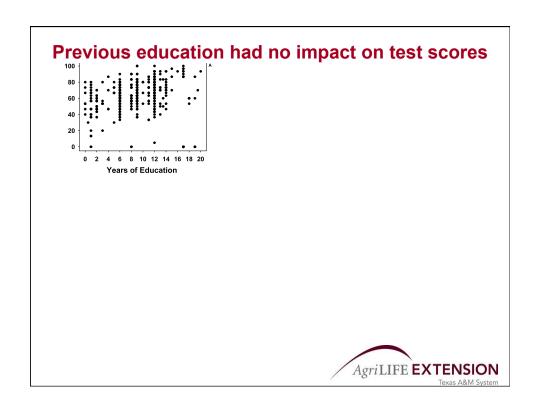




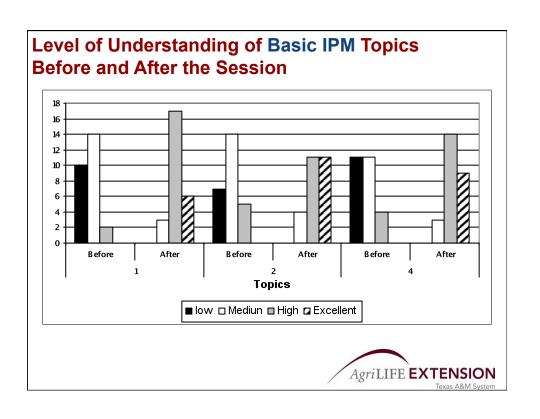
Impact:

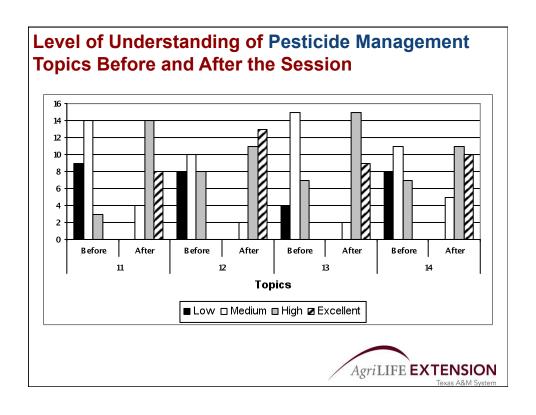
- Goal is to reduce plant losses/ costs due to pests/diseases
- Since 2005 approximately 400 workers have participated, 70 have completed the 5- module program
- 2007 Southern Region-IPM grant to develop multimedia educational products in Spanish

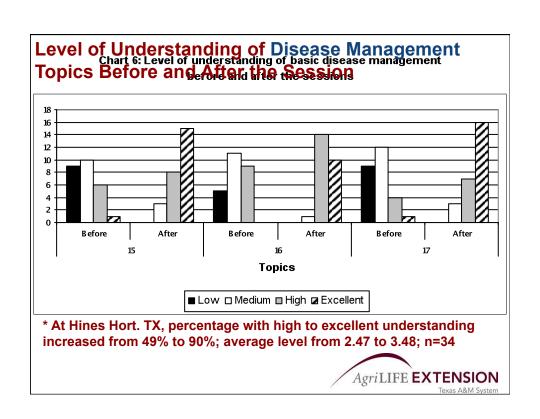














Summary

- Bilingual workforce education program established in 2005
- Designed to address lack of educational resources on IPM for entry-level workers
- Aim is to facilitate IPM implementation by empowering workers

AgriLIFE EXTENSION

 Outcomes to date indicate significant impact and great potential



Acknowledgements

- Participating Texas growers: Hines Horticulture Inc. Color Spot Nurseries, Seville Farms, Green Valley Growers, Ellison's GH.
- USDA S-RIPM Program
- Syngenta Crop Protection
- University of Florida, North Carolina
 State University

