Prerequisites for Maintaining Funding from Producer Organizations

Dr. Rob Gilbert - Professor and EREC Center Director



Sugarcane Agronomy



CP Sugarcane Breeding Program

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Sugarcane Variety Release Committee















CP Sugarcane Cultivars

- ❖ > 95% of sugarcane acreage in FL
- Major acreage in
 - Argentina (25%)
 - Belize (16%)
 - El Salvador (50%)
 - Guatemala (65%)
 - Honduras (47%)
 - Mexico (15%)
 - Morocco (54%)
 - Nicaragua (75%)
- ❖ 20 CP or CPCL Clones released since 2000

Sucrose Accumulation and Harvest Schedule Recommendations for CP Sugarcane Cultivars in Florida

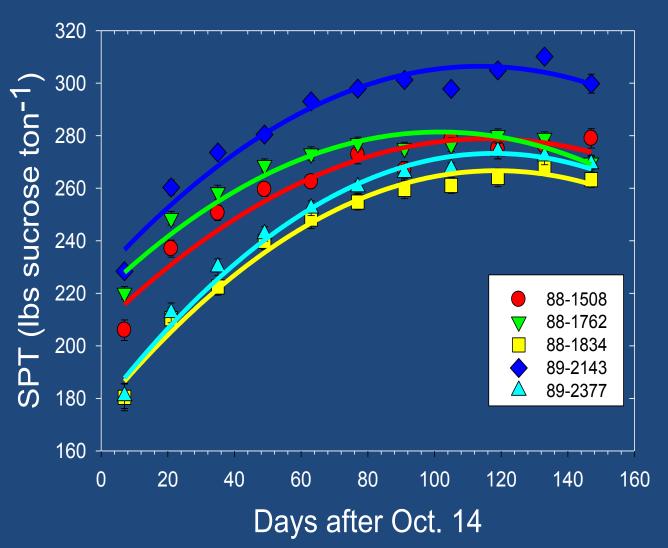
R.A. Gilbert¹, J.M. Shine, Jr.², J.D. Miller³ and R.W. Rice¹







SPT vs. Harvest Date



Gilbert et al. 2006 Field Crops Res. 95:156-170 Gilbert et al. 2004 Crop Management (online)

SUGARCANE HANDBOOK

- EDIS online information system
 - Soils: 4 articles
 - Diseases: 10 articles
 - Weeds: 5 articles
 - Insects: 8 articles
 - Cultural Practices: 9 articles
 - Water Quality: 2 articles
 - Economics & Policy: 16 articles
 - Varieties: 41 articles
- www.edis.ifas.ufl.edu



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Figure 5. Tythen properties within

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Faculty Program Principles

- Collaboration vs. Competition
 - Impact
- Creativity
- Grower Relations
- International Opportunities

Everglades Research and Education Center



Early years





Land clearing







Remaining faculty houses circa 1930s, currently used for visiting faculty



Wedgworth Laboratory building completed in 1990, houses faculty labs and offices



Current administration building, built in sections between 1930s and 1940s and used as laboratories and faculty offices



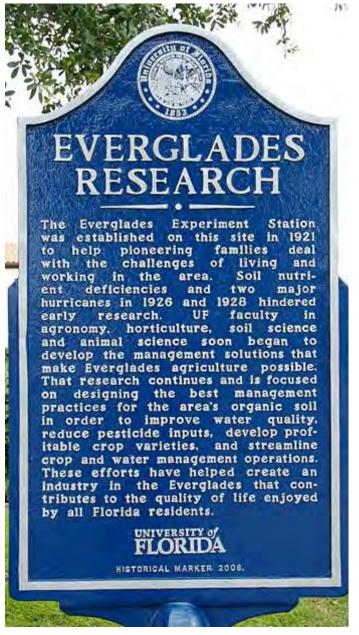
EREC Conference Center for agriculture related meetings, completed in 2001

Research Programs

- Best Management Practices
- Soil and Water Research
- Crop Improvement:
 - Sugarcane
 - Rice
 - Turfgrass
 - Vegetables
 - Corn & Sorghum
- Wildlife Ecology
- Pest Management
- Plant Pathology
- Graduate & Post Doctoral Education



- The Everglades Research and Education Center was selected for its historic importance due to the research aiding growers and contributing to the growth of agriculture in southern Florida.
- The marker, dedicated in 2008, was the second marker selected in the UF Historic Marker series.



EREC Recent Impacts

- BMP Program
 - Reduction in P loads average > 50% annually
- Sugarcane
 - CP varieties grown on > 95% EAA
 - Fungicide recommendations for new orange rust disease
- Everglades Soil Testing Lab
 - > 8,000 samples processed annually
 - Recommendations for > 200,000 acres

EREC Faculty Programs

- Faculty Programs
 - Faculty programs drive EREC
 - Future difficult to predict
 - ✓ Hiring decisions
 - Mentoring junior faculty
 - Promote interdisciplinary collaboration
 - Support land grant mission
 - Increased reliance on grants
 - ✓ Energycane example
 - CD job to ensure programmatic balance

Refereed publications

Industry profitability

EAA sustainability

Keys to Sustained Producer Funding

- Prioritization of R/E Programs
 - Advisory committee
- Communication
 - Planning, implementing, reporting
 - Responsiveness
- Collaboration
 - Funding and in-kind support from industry
 - Faculty program reliability and work ethic
- Impact
 - Field days, surveys
- Recognition
 - Acknowledgements, co-authorship

Thank you very much for your interest.

