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### AGENDA

#### Everglades Agricultural Area BMP Training Friday May 3, 2024

**08:15 – 08:30 Registration**

**08:30 – 09:20 BMP Implementation and Verification** by **Susan Pascal** Engineering Specialist IV South Florida Water Management District. The BMP rule history and regulations will be reviewed and discussed. The requirements and terms of the rule regarding EAA farming operations will be explained. The methodology and verification requirements that the SFWMD uses to verify proper BMP implementation will be presented including rationale, history, and documentation.

**09:25- 10:00 Aquatic weed management** by **Megan Reid**, PhD, Postdoctoral Research Associate, Ft Lauderdale REC, UF/IFAS; Presentation of best management practices for aquatic weed control on EAA farms. Aquatic weeds covered will include water lettuce, water hyacinth, alligator weed, and torpedo grass.

**10:00 – 10:15**

#### **BREAK**

**10:15 – 10:45 Wise Use of Pesticides** by **Calvin Odero**, PhD Weed Science, Everglades REC, UF/IFAS. The importance of safe handling and application of all pesticides but especially Atrazine and Ametryn, two environmental indicator pesticides for the Everglades Agricultural Area will be covered. Techniques to minimize risks to environment and applicators will be stressed.

**10:45 – 11:15 Water Management: Rainfall Detention and Farm Drainage** by **Axel Martinez**, BS Civil Engineering, Environmental Compliance Manager, Florida Crystals Corporation. Relationships between inflow and outflow flows and concentrations, aquatic vegetation, holding times, and other environmental variables will be explained. Historical and future trends of water quality and stage level will be presented. Potential treatment options will be explored.

**11:20 – 11:55 Nutrient Control Practices** by **Shabnam Sadeghibaniani**, PhD Agronomy, Postdoctoral Research Associate, Everglades REC, UF/IFAS. Methods to reduce negative environmental impacts of P fertilizer application will be covered including soil testing, plant tissue testing, banding, P sources and timing, and fertilizer spill prevention.

**12:00 – 12:45**

#### **LUNCH**

**12:45 – 13:20 Particulate and Sediment Controls** by **Mohsen Tootoonchi**, PhD Soil, Water, and Ecosystem Sciences, Assistant Scientist Faculty Everglades REC, UF/IFAS. Review of available BMPs for sediment generation and transport, and implementation on farms for optimum performance

**13:20 – 14:00 Research summary wrap up and CEUs** by **Samira Daroub**, PhD Soil, Water, and Ecosystem Sciences, Professor and Director Everglades REC, UF/IFAS.