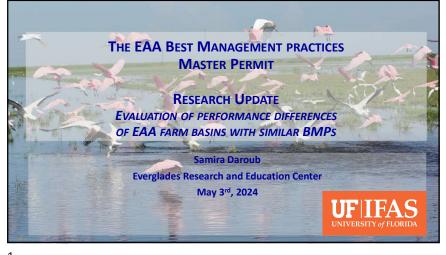
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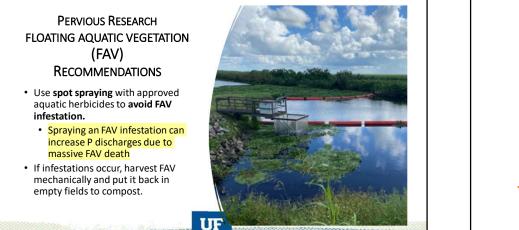
BMP RESEARCH PROGRAM IN THE EAA

UF



- UF IFAS Research on Best Management Practices (BMPs) in the EAA started in 1992
- Research and Extension activities have been continuous since 1992
- Research sponsored by the EAA-EPD. Conducted in collaboration of EAA growers and the SFWMD
- Research projects investigated the efficacy and implementation of BMPs

1

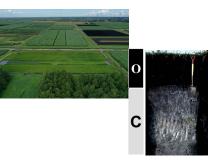


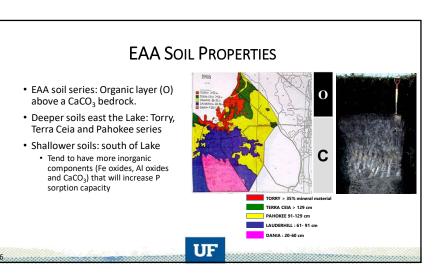
BMP MASTER PERMIT SCOPE OF WORK 2020-2025

EVALUATION OF PERFORMANCE DIFFERENCES OF EAA FARM BASINS WITH SIMILAR BMPS

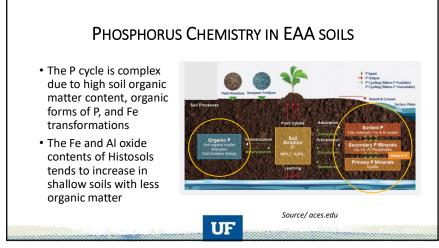
OBJECTIVES

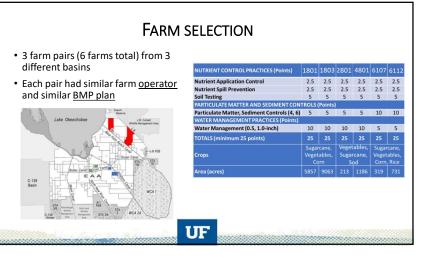
 Determine differences in performance in selected farms in the EAA basin by evaluating the <u>impact of soil chemistry</u> and <u>historical land use</u> on P concentration and loads on these farms.

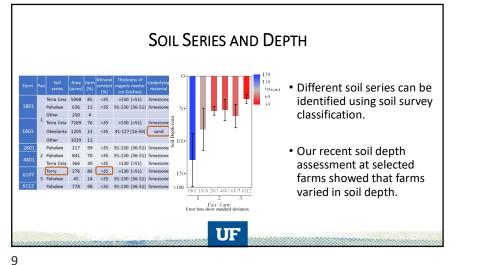


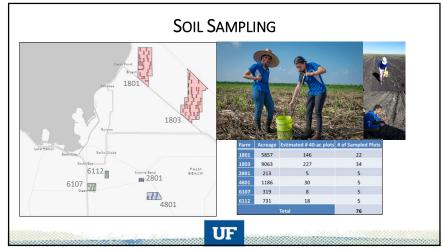


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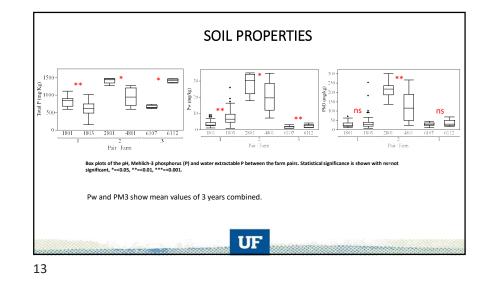


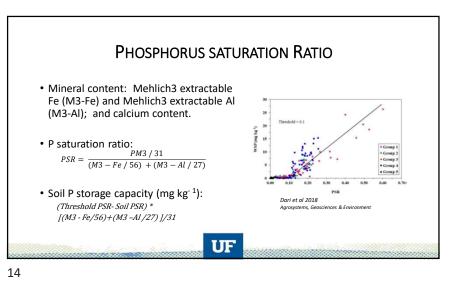


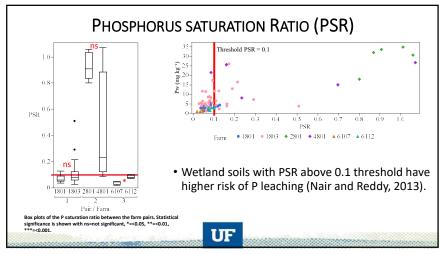


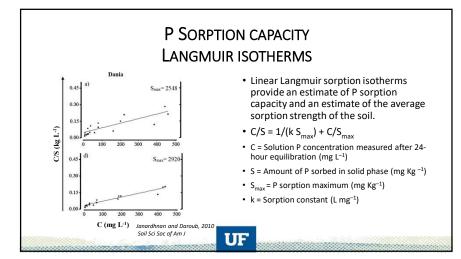












WATER QUALITY WY 2022-23

Water Analyses

• Total dissolved P (TDP)

Soluble reactive P (SRP)

Statistical analysis

UF

Particulate P (PP) = TP - TDP

• Total suspended solids (TSS)

Dissolved organic P (DOP)= TDP - SRP

✓ Pump station inspection and maintenance (Monthly)

 Nonparametric Kolmogorov-Smirnov statistical test was performed on the combined weekly dataset for WY 2022 and WY 2023 to detect differences between farm pairs (P-value < 0.1).

• Total P (TP),

• pH

