

Artificial Intelligence (AI) Taskforce for Agricultural Best Management Plan (BMP) Development



14

MPH

Marnie Ward
NRLI Practicum
April 25, 2025

OUR TEAM



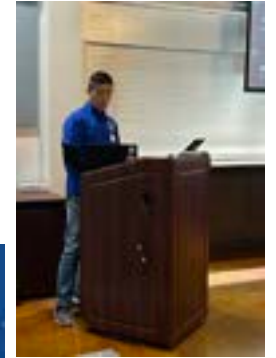
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 Marnie Ward, Ph.D., UF/IFAS Extension, Citrus County

 Eric Simonne, Ph.D., UF/IFAS Extension, Northeast District



GETTING STARTED



IT Taskforce for Agricultural
BMP Development

9am Welcome & Introductions

10am Identifying Farming Challenges

11am Break

11:15am State of AI in Agriculture

12:30pm Lunch & Networking

1pm Challenges for AI

2pm Break

2:15pm Envisioning Opportunities

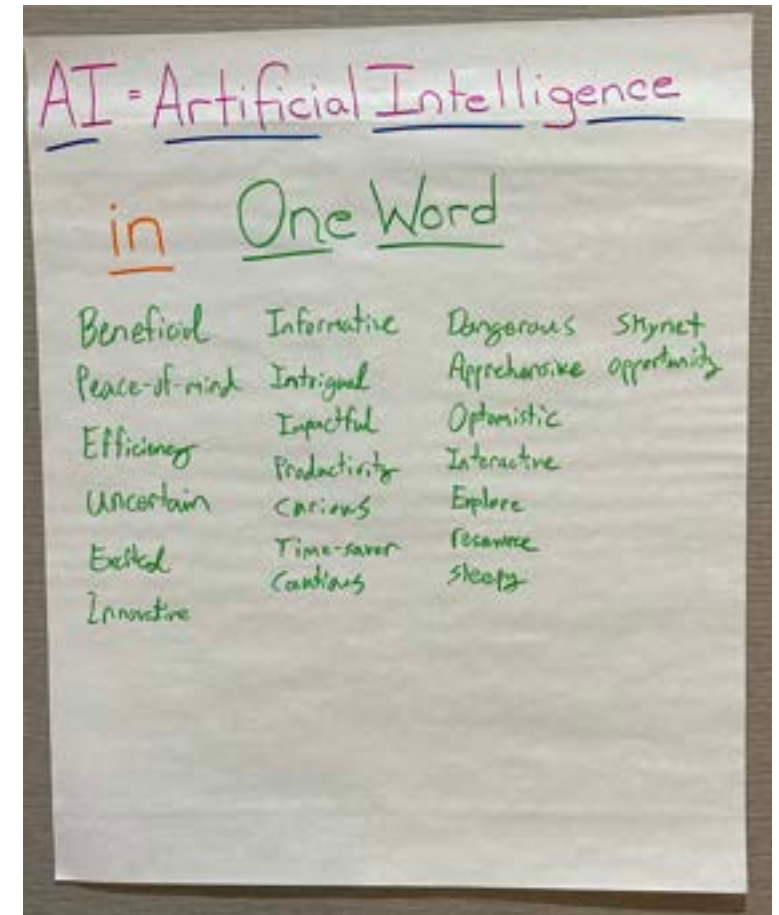
3pm Planning for the future

4pm Pulling It Together

5pm Adjourn

CONT. 30 13 25 IN/PO/PULG X 30 IN/PO/PULG
(63.5 cm x 76.2 cm) 52 FPI/PP (1,483 m²)

TRUST AND CONNECTION



Challenges to AI Adoption

- Cost/RoI ●●●●●●●●●● (10)
- Trust/privacy ●●●●●●●●●● (14)
- Context (Framing Prompts) ●●●●
- Reliability/consistency ●●●●●●●●●●●●●● (14)
- Novelty of Technology ●
- Managing Outputs of AI ●●
- Educational Resources ●
- Data ownership
- Fear of change ●●●●
- Accessibility of Data
- Awareness* - Connection of need and Tool ●●●●●●●●●● (14)
- Learning curve ●



WHAT'S NEXT?

The State of AI in Agriculture



Physical Strawberry Farm at GCREC



And its virtual counterpart



Physical Experiments at GCREC



And its virtual counterpart

A photograph of a group of people in a meeting room. In the foreground, a man in a light blue shirt is seen from the back, looking towards a group of people. To his left, a man in a dark jacket is smiling. In the background, a man in a blue shirt is looking at a whiteboard. The word "OUTCOMES" is overlaid in large white text on the left side of the image.

Research updates

Tool/Guide for Commercially Available Tools

Demos of Tools (Hands-on, practical)

AI BMP Selection Tool

Grover feedback on AI Tools ●●●● (4)

Beginner's Guide to AI

Centralize website of AI Resource (IFAS) ●●●●● (3)

Youtube AI Social Media (Training)

AI Expo/show

FEEDBACK

- How do we keep momentum going within the group?
 - What kind of support does this group need?
 - What kind of resources does this group need?
-

Artificial Intelligence (AI) Taskforce for Agricultural Best Management Plan (BMP) Development

UF/IFAS Extension Alachua County
Tuesday, March 18, 2025
9:00 am – 3:00 pm
Meeting Report



Participatory Decision-Making Photo

Overview

On Tuesday, March 18, 2025, Dr. Tyler Pittman, Dr. Marnie Ward, Dr. Dana Choi, Dr. Ziwen Yu, and Dr. Eric Simonne of University of Florida/IFAS faculty convened a taskforce of interested parties to execute a needs assessment around Artificial Intelligence (AI) for agriculture producers. Dr. Marnie Ward from UF/IFAS Extension facilitated the meeting and transcribed this report.

A group of twenty-four stakeholders including Extension Agents, Extension Administrators, State agencies, Row Crop Producers, and industry representatives participated in the meeting. The meeting agenda can be found in Appendix I.

The objectives were to:

- Identify AI development areas for Best Management Plan (BMP) and gaps between research and implementation.
- Prioritize AI for BMP topic areas based on stakeholder input.
- Develop educational methods to raise AI awareness, facilitate adoption, and maximize utility.



SEE YOU
SOON....

