



Targeted NH3 Rates (lbs/ac)	As-applied NH3
149	129 – 176
201	176 – 222
241	222 – 267
280	267 – 300
320	300 +

On-farm Precision Experiment
Crawford County, Ohio
79 acres

Introduction

On-farm precision experiments (OFPEs) are large, statistically valid on-farm agronomic trials that farmers implement using precision technology to generate data-based input management decisions. On Jan. 8-11, the [Data-Intensive Farm Management Project](#) (DIFM) will be hosting the USDA-sponsored [International Conference for On-Farm Precision Experimentation](#). The conference will be preceded by a Jan. 7 welcome and "meet and greet," in which DIFM's NRCS-sponsored subsidization of farmers and consultants to conduct on-farm research is explained. Jan. 8-9 will introduce OFPE to farmers and farm managers, professional crop consultants, and college students in digital agricultural programs, **and will feature training sessions for the use of the DIFM's cloud-based cyber-infrastructure**, which offers user-friendly methods for the design, implementation and analysis of OFPEs. Farmers and consultants will present results and lessons from their on-farm trials. January 10-11 will focus on academic research reports, but will be open to all.

DIFM

Join us at the Data-Intensive Farm Management Project's

International Conference for On-Farm Precision Experimentation

South Padre Island, Texas
Jan. 8-11, 2024



source: flickr

Sponsored by the USDA National Institute of Food and Agriculture

Jan. 8-9: Conference for farmers, consultants, and anyone else interested in data-based crop production management.

Jan. 10-11: Reports of formal academic research, aimed at professional researchers but open to all.



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Summary of Agenda

- Presentations by farmers who have conducted OFPEs in the US, Canada, South America and South Africa
- Presentations by crop consultants who have worked with farmers to design OFPEs
- Presentations by leading scientists who have developed the cyber-infrastructure that is making OFPE available to the world
- Hands-on training sessions on how to use DIFM software and database infrastructure to design, run, and analyze the data from OFPEs
- Presentations and discussions of formal academic research.

Travel Information

South Padre Island is served by airports in Brownsville (BRO) and Harlingen (HRL), Texas. American Airlines serves both cities from Dallas DFW. United serves both cities from Houston IAH. Southwest serves Harlingen from Dallas Love Field, Houston Hobby Airport, and Austin. Sun Country Airlines serves Brownsville from Minneapolis. Conference shuttles from the airports to the hotel will be available.

Accommodations and Venue

[Hilton Garden Inn South Padre Island Beachfront](#)



Contact Information

Carli Miller, DIFM Project Coordinator

Phone: 217-300-9335

Email: cjmille5@illinois.edu

More information and registration will be available after June 27 at <https://ofpe.org>.