



Central Plains Irrigation Conference & Exposition

February 26-27, 2019
Holiday Inn Convention Center,
110 South 2nd Ave, Kearney, Nebraska

Tuesday, February 26

8:00-9:30 am - Registration, Coffee & Exposition
9:30-11:00 pm - Technical Sessions 4, 5, & 7
11:00-1:30 – Expo, Lunch & General Session A
1:30-3:00 pm -Technical Sessions 2, 3, & 6
3:00-3:30 pm - Break and Exposition Open
3:30-5:00 pm - Technical Sessions 1, 5, & 7
5:00-6:00 pm - Social Hour - Exposition Open

Wednesday, February 27

7:45-8:30 am - Registration, Coffee & Exposition
8:30-10:00 am - Technical Sessions 2, 3, & 6
10:00-10:30 am - Break and Exposition Open
10:30-12:00 pm- Technical Sessions 1, 5, & 6
12:00-1:30 pm –Expo, Lunch & General Session B
1:30-3:00 pm - Technical Session 2, 3, & 4

General Session A – Past, present, and future of water management in Nebraska – Jesse Bradley, Nebraska DNR
(Tuesday Luncheon)

General Session B – A look at irrigation policy and technology through the rear view mirror — Dan Rogers, K-State
(Wednesday Luncheon)

Technical Session 1 – Irrigation Scheduling Methods and Technologies

Performance of locally calibrated ET, IRT and MAD irrigation scheduling — Hope Nakabuye, Univ. of Nebraska-Lincoln
Irrigation scheduling using a water balance model and soil moisture sensors — Allan Andales, Colorado State Univ.
Irrigation scheduling with temperature approaches — José Chávez, Colorado State Univ.

Technical Session 2 – Crop Response and Technology for Managing Irrigation and Nitrogen Fertilizer

Nitrate leaching under varying irrigation treatments in corn production — Xin Qiao, Univ. of Nebraska-Lincoln
Recent fertigation research in Nebraska — Himmy Lo, Univ. of Nebraska-Lincoln
Economic considerations of technology adoption for irrigation management — Matt Stockton, U. of Nebraska-Lincoln

Technical Session 3 – Performance of Irrigation Systems

Summary of evaluations of center pivot uniformity — Danny Rogers, Kansas State Univ.
Pumping energy use reduction using variable frequency drives (VFD) — Bill Kranz, Univ. of Nebraska-Lincoln
Effect of limited water supplies on center pivot performance — Derrel Martin, Univ. of Nebraska-Lincoln

Technical Session 4 – Advances in Irrigation Systems

Evaluation of mobile drip irrigation (MDI) and other sprinkler packages — Jonathan Aguilar, Kansas State Univ.
Consumptive use of variable rate irrigation (VRI) — Derek Heeren, Univ. of Nebraska-Lincoln
Advances with subsurface drip irrigation (SDI) — Freddie Lamm, Kansas State Univ.

Technical Session 5 – Irrigated Cropping Systems

Analysis of grower input decisions on efficiency and profitability — Daran Rudnick, Univ. of Nebraska-Lincoln
Impacts of residue and tillage management — Joel Schneekloth, Colorado State Univ.
In-canopy vs. above-canopy sprinklers-Which is better for your field? — Steve Melvin, Univ. of Nebraska

Technical Session 6 – Irrigation Management under Drought or Water Limiting Conditions

Crop water productivity and techniques using infrared thermometry — Kendall DeJonge, USDA-ARS-Fort Collins
Limited irrigation of grain sorghum — Alan Schlegel, Kansas State Univ.
Corn product response to inputs — Brian Olson, Bayer Inc.

Technical Session 7 – Testing Ag Performance Solutions (TAPS)

Introduction and lessons learned — Chuck Burr, Univ. of Nebraska
Insights into farm profitability — Roric Paulman (Producer & 2017 TAPS Profitability Winner)
Insights into efficient management — Tim Schmeeckle (Producer & 2017-2018 TAPS Efficiency Winner)

For more info call Donna Lamm, executive assistant, at 785-462-7574 or email donnalamm@yahoo.com

[Click here for participant registration form](#) or go to <https://www.ksre.k-state.edu/sdi/revents/cpia.html>

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