



# 2017 NE Ag Tech Association Conference

Register at: [neata.org](http://neata.org) Find us at: [neata.org](http://neata.org) @NeAgTechAssoc [neatapage](https://www.facebook.com/neatapage)

Held at Nebraska Innovation Campus, 2021 Transformation Drive, Lincoln 68508

## Wednesday - February 1

9:00 AM	Conference Check-In ( <i>First Floor</i> )
10:00 AM	Opening Remarks by Chris Cunningham, Nebraska Agricultural Technologies Association (NeATA) President ( <i>Auditorium</i> )
10:10 AM	Imagery in Ag Symposium ( <i>Auditorium</i> ) <ul style="list-style-type: none"> <li>Remote Sensing Applications for US Crop Monitoring by Rick Mueller, Head of USDA-NASS Spatial Analysis Research</li> <li>Planet Agriculture Monitoring by Lee Smith, Director of North American Sale for Planet Labs Inc.</li> </ul>
11:30 PM	Lunch ( <i>Banquet Hall</i> )
12:10 PM	Imagery in Ag Symposium ( <i>Auditorium</i> ) <ul style="list-style-type: none"> <li>Aerial Imagery to Actionable Items by Brian Sutton, Founder of AirScout</li> <li>Remote Sensing for Decision Agriculture by Nate Taylor, Business Developer for Aeroptic</li> </ul>
1:30 PM	Break - Exhibits Open ( <i>First Floor</i> )
1:40 PM	Imagery in Ag Symposium ( <i>Auditorium</i> ) <ul style="list-style-type: none"> <li>Large-scale UAS Applications to Agriculture - 2016 by John Nowatzki, North Dakota State University Extension Ag Machine Systems Specialist</li> <li>Why bother with drones (UAVs) and data for ag? by Jason Barton, VP of Sales for AgriBotix</li> </ul>
3:00 PM	Imagery in Ag - Panel Discussion ( <i>Auditorium</i> )
4:00 – 5:00 PM	Tours and Demonstrations (Optional): Split into two groups, group 1 starts at Greenhouses and group 2 starts at Food Science <ul style="list-style-type: none"> <li>Greenhouse Innovation Center with Troy Pabst, Research Managers</li> <li>Food Processing Center with Jill Gifford, National Food Entrepreneur Program Manager</li> </ul>

## Thursday - February 2

7:00 AM	Registration - Exhibits Open ( <i>First Floor</i> )			
8:00 AM	NeATA & Nebraska Extension: Looking Back and Moving Forward by Dave Varner, Associate Dean for Nebraska Extension ( <i>Auditorium</i> )			
First Floor	<b>General Management (Room A1-A2)</b>	<b>Water Management (Room A3)</b>	<b>Data Management (Room B1-B2)</b>	<b>Machinery &amp; Hardware (Room B3)</b>
9:00 AM	Variable Rate Manure Application <i>Andy Scholting, President of Nutrient Advisors</i> <ul style="list-style-type: none"> <li>Products</li> <li>Need</li> <li>Rx Strategies</li> <li>Application Methods</li> </ul>	NRD Groundwater Surveying <i>Tylr Naprstek, Water Modeling Coordinator Lower Loup NRD</i>	Multi-Hybrid Planting Considerations in Nebraska <i>Rachel Stevens, UNL</i> <ul style="list-style-type: none"> <li>Preparing for multi-hybrid planting</li> <li>Review &amp; discuss 2016 results</li> <li>Hurdles to multi-hybrid adoption</li> </ul>	Ruminating on 'Precision Dairy' (via Zoom) Dr. Leo Timms, Iowa State University <ul style="list-style-type: none"> <li>Past, current, &amp; future technologies in dairy</li> <li>Economics and adoption</li> <li>Animal activity and behavior monitoring systems</li> </ul>
9:50 AM	Break - View Exhibits ( <i>First Floor</i> )			

<b>First Floor</b>	<b>General Management (Room A1-A2)</b>	<b>Water Management (Room A3)</b>	<b>Data Management (Room B1-B2)</b>	<b>Machinery &amp; Hardware (Room B3)</b>
<b>10:15 AM</b>	<b>Project SENSE – On-Farm Trials to Evaluate Sensor-Based N Management</b> <i>Joel Crowther, UNL</i> <ul style="list-style-type: none"> <li>• Sensor-based N fertilization is a tool for increasing profitability while reducing groundwater nitrate contamination.</li> <li>• Project SENSE seeks to promote adoption of in-season N fertilization for corn</li> </ul>	<b>Remote Sensing and Variable Rate Irrigation</b> <i>Derek Heeren, UNL</i> <ul style="list-style-type: none"> <li>• Remote sensing spatial evapotranspiration modeling for irrigation management</li> <li>• Application in variable rate irrigation management</li> </ul>	<b>Leveraging the Nebraska Spatial Data Structure</b> <i>Nathan Watermeier, Nebraska GIS Coordinator</i> <ul style="list-style-type: none"> <li>• Statewide data acquisition efforts for imagery and LiDAR</li> <li>• How state government is using geospatial data</li> <li>• NebraskaMAP – Access to Nebraska’s geospatial data and maps</li> </ul>	<b>Growing Margins Through Grain Storage Technology</b> <i>Todd Sears, President of IntelliFarms</i>
<b>11:05 AM</b>	<b>High Throughput Plant Phenotyping</b> <i>Yufeng Ge, UNL, Advanced Sensing Systems Engineer</i> <ul style="list-style-type: none"> <li>• UNL's high throughput plant phenotyping infrastructure</li> <li>• Greenhouse and field phenotyping projects</li> <li>• Great potential for Nebraska growers</li> </ul>	<b>Cover Crops &amp; Soil Water Dynamics in No-till Cropping Systems</b> <i>Kraig Roozeboom, KSU</i> <ul style="list-style-type: none"> <li>• Cover crops (CC) provide many soil health &amp; crop production benefits</li> <li>• CC use water in the process of providing those benefits</li> <li>• How annual rainfall plays a factor in CC use</li> </ul>	<b>AgriEdge Excelsior</b> <i>Jason Skalsky, AgriEdge Specialists</i> <ul style="list-style-type: none"> <li>• Understand field level profitability</li> <li>• Digitally organize farm data and automatically access data through OEM controller integrations</li> <li>• Quickly create reports and manage inventory</li> </ul>	<b>Agricultural Machinery Data Collection and Analysis</b> <i>John T. Evans, UNL</i> <ul style="list-style-type: none"> <li>• Harvest Logistics</li> <li>• Spray Application</li> <li>• In-Field Power Requirements</li> </ul>
<b>12:00 PM</b>	<b>Lunch (Banquet Hall)</b>			
<b>12:45 PM</b>	<b>Nebraska On-Farm Research Network</b> by <i>Laura Thompson, Nebraska Extension On-Farm Research Coordinator (Auditorium)</i>			
<b>1:00 PM</b>	<b>NeATA Business Meeting (Auditorium)</b>			
<b>1:15 PM</b>	<b>Ag Data Issues and The Agricultural Data Coalition</b> by <i>Jeremy Wilson, Technology Specialist with Crop IMS (Auditorium)</i>			
<b>2:05 PM</b>	<b>Break - View Exhibits and Move to Breakout Sessions (First Floor)</b>			
<b>2:20 PM</b>	<b>Understanding My Within-Field Variability</b> <i>Nathan Mueller, UNL</i> <ul style="list-style-type: none"> <li>• Post-processing and cleaning yield data</li> <li>• Using multi-year yield, historical imagery, soil EC, &amp; scouting.</li> <li>• Managing the within field variability</li> </ul>	<b>Welcome to Aquamart: an Introduction</b> <i>John Heaston</i> <ul style="list-style-type: none"> <li>• Promoting effective farm scale water management</li> <li>• Developing water leadership at all levels</li> <li>• Fostering better partnership and collaboration for the sustainable water management of Nebraska</li> </ul>	<b>Granular's Guide to Growing Profits</b> <i>Dakota Hoben</i> <ul style="list-style-type: none"> <li>• State of technology in Farming today - disconnected and few synergies</li> <li>• How Granular is transforming Farming - real-time data for in season insights</li> <li>• Big Data: AcreValue - knowledge is power in farmland market</li> </ul>	<b>Autonomous Tractor Corporation</b> <i>Kraig Schulz – CEO</i> <ul style="list-style-type: none"> <li>• Autonomy is only of many ambitions to improve farm productivity</li> <li>• How is autonomous technology is likely to be implemented</li> <li>• The operational considerations of autonomy</li> </ul>
<b>3:10PM</b>	<b>Assembling the Precision Agriculture Puzzle for Farm Profit</b> by <i>Lisa Prassack, AgriFood Innovation Expert and Data Strategy Consultant (Auditorium)</i>			
<b>4:00 PM</b>	<b>Conference Wrap-up (Auditorium)</b>			

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