ISPA Newsletter 8(1) January 2020: PA in Denmark Update, Upcoming Events, Jobs

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International Society of Precision Agriculture

MONTHLY NEWSLETTER



2019 Precision Agriculture in Denmark

In 2019 28% of Danish farms occupying 66% of farmland used some type of precision agriculture (PA). Denmark is one of the few countries where the government statistics office collects information on the adoption of precision agriculture (PA). The data is from a stratified sample drawn from all farms with cultivated area registered with the government for administrative and regulatory purposes. The 2019 sample size was 6005 respondents. The Danish survey asked about Global Navigation Satellite Systems (GNSS), sprayer section control, software for planning nitrogen applications, satellite & drone images and crop sensors. Some key results:

- In Denmark the most commonly adopted PA technology is GNSS guidance. In 2019 Real Time Kinematic (RTK) Global Positioning Systems (GPS) were used by 24% of farms covering 59% of cultivated area.
- Sprayer section control has followed a similar pattern to GNSS guidance. In 2019, it was used by 14% of farms covering 40% of cultivated area.
- In 2019 drone or satellite images were used by 5% of farms with 15% of cultivated area.
- Crop sensors were used by only 2% of farms covering 8% of cultivated area in 2019.
- As in most other countries, PA has been adopted first on larger farms in Denmark. For example, the average size of all farms is 83 ha, but the average size of farms using GNSS guidance is 202 ha and the average size of farms using crop sensors is 342 ha.

For more information see: Denmark Statistics. 2019. “Mærkbar fremgang i avanceret landbrugsteknologi”. https://www.dst.dk/da/Statistik/nyt/NytHtml?cid=31408.

ISPA Communities and the 15th ICPA

ISPA Communities and the Next ICPA

Your ISPA Communities are getting busy for the 15th International Conference on Precision Agriculture in Minneapolis (June 28—July 1, 2020). Are you interested in On-farm Experimentation, Precision Nitrogen Management, Precision Agriculture in Latin America, or Precision Agriculture Economics, Profitability, Adoption, and Risk? Get ready for fruitful discussions!

Do you have an idea for a new dynamic ISPA Community?

Check out “Community guidance” to learn about how to start a new one and get involved!

A new ISPA Community on Artificial Intelligence in Precision Agriculture?
Interest has arisen for a new ISPA Community on artificial intelligence development and applications in Precision Agriculture. Should you be interested to comment or be part of the initiative, please contact past-president@ispag.org.

Upcoming Events

25-27 FEB 2025
GIS & Drone Applications in Agriculture Conference

29 JUN - 3 JUL 2025
15th European Conference on Precision Agriculture
Barcelona, Spain
ecpa2025.upc.edu/

22-31 AUG 2025
XXXII ISSCT Centennial Congress
Cali, Colombia
issctcennial.com/

14-16 OCT 2025
11th Asian-Australasian Conference on Precision Agriculture
Chiayi, Taiwan
ispag.org/Events/ACPA

2-4 FEB 2026
International Crop Modeling Symposium (iCROPM2026)
Florence, Italy

Week of 13 JUL 2026
17th International Conference on Precision Agriculture and the 11th Brazilian Congress on Precision Agriculture
Porto Alegre, Brazil
ispag.org/icpa

See the ISPA website for a complete list of events.
Do you have an event that would be of interest to our members? Send us an email to let us know.

Jobs Listing

- Postdoc in Digital Agronomy for Climate Resilient Perennial Agriculture
- Tenure Track Assistant Professor in soil spectroscopy at Department of Agroecology, Aarhus University
- Assistant or Associate Professor of Extension Soil Management - University of Kentucky - Department of Plant and Soil Sciences

- Precision Agriculture Technologies Extension Specialist - University of Tennessee - Biosystems Engineering and Soil Science
- Assistant Professor (Extension) - Mississippi State University - The Department of Agricultural & Biological Engineering
- University of Georgia - Assistant Professor - Extension Specialist Precision Agriculture Systems

Do you have a job you would like to post to the ISPA website? Please send your job announcement, a short description, and cutoff deadline for applications to info@ispag.org

Contribute to the ISPA Newsletter

Do you have a precision ag event, project, or news article that our members would be interested in? Please let us know. We post events, job opportunities, and news from members from around the globe. Email info@ispag.org or use the handy online form to submit your contribution.

Precision Agriculture Definition

Precision Agriculture is a management strategy that gathers, processes and analyzes temporal, spatial and individual plant and animal data and combines it with other information to support management decisions according to estimated variability for improved resource use efficiency, productivity, quality, profitability and sustainability of agricultural production.

The International Society of Precision Agriculture (ISPA) is a non-profit professional scientific organization.
The mission of ISPA is to advance the science of precision agriculture globally.

Contact newsletter@ispag.org to suggest content for future newsletters or visit www.ispag.org for more about the Society