

Cash Crop Conference 2024 - Spain

June 9th - 13th Valladolid & Post conference tour 14th - 16th Zaragoza

Sun, June 9 **Arrival day**

19:00 **Welcome Reception**

Conference room /Garden at the Hotel

Mon, June 10 **Typical farms and Global Crop Production and Markets 2023**

08:30 - 09:00 **Welcome and Introduction**

09:00 - 10:30 **Key results 2023 & selected snap shots**

- *Yelto Zimmer, agri benchmark* -

- * performance typical farms 2023
- * interest rate impacts on break even crop price
- * compare trends in farm gate prices in Europe

10:30 - 11:00 *Coffee break*

11:00 - 12:30 **Global commodity markets 2022/23 and outlook**

- *Shawn Arita, USDA* -

- * relevance of UA/RU for global commodity markets
- * USA biodiesel targets - impact on global commodity markets

- *Armelle Gruere, IFA*-

- * International fertilizer markets

12:30 - 13:30 *Lunch break*

13:30 - 15:00 **Break-out sessions I - Deep dive into agri benchmark data**

1. Wheat economics - focus on mechanization cost & crop protection index *Marcel Dehler (Thünen Institute)*

- * A closer look at details of mechanization: tractors and combines, cost structure
- * To address biodiversity issue, environmental risks associated with crop care production will be assessed

2. Sugar cane workshop

- * Overview sugar markets and typical farms *Richard Nicholson (SA cane growers)*
- * Insights into typical cane farms in South Africa and India *Dieter Lutge (SA cane growers), Dilip Kajale (Gokhale Institute)*
- * Bioinputs in sugar cane production in Brazil *Danilo Menegatti (Pecege)*

3. Cover crops - relevance for typical farms, limitations, crops, economics *Andriy Tovstopyat (agri benchmark)*

- * What farms do grow cover crops and why? What species are used?
- * What is the agronomical potential for cover crops in our farms?
- * Why is the potential not realized, how much does it cost to grow cover crops?

15:00 - 15:30 *Coffee Break*

15:30 - 17:00 **Break-out sessions II**

1. agri benchmark irrigation systems & economics *Gloria Lenfestey (Purdue University)*

- * What systems are used?
- * Cost of irrigation (mechanization, fuels, fees, labor); economic returns from irrigation

2. Sugar beet workshop

- * EU sugar market and on farm competitiveness of sugar beets *Thomas de Witte (Thünen Institute)*
- * Sugar production in Spain *C. Lobato (Ministry of Agriculture, Fisheries and Food)*
- * Current challenges in beet production *Frank Knälmann (Nordzucker); Pawel Bozcar (Hanse Agro); D. Chevallier (ARTB)*

3. US Soybean production - New perspectives due to biodiesel? *Margaret Lippsmeyer (Purdue University)*

- * Agronomical potential for expansion of soybean acreage in the US
- * Equilibrium yields (in case of yield penalties] and prices to access on-farm competitiveness of soybeans vs. other crops

17:00 - 17:15 *Coffee break*

17:15 - 18:00 **Let's grow together - More visibility, more impact with and for agri benchmark Cash Crop**

- *Jannik Dresemann, Yelto Zimmer, agri benchmark* -

- * New positioning of *agri benchmark* Cash Crop
- * partners view & experience in making use of our data and results
- * *agri benchmark* center to present suggestions for improved visibility

19:00 *Dinner at the Ciudad Hotel*

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Tue, June 11 Spanish day

08:00 - 13:00 Field trip - typical farm in Valladolid region

- * Typical farm 200 ha irrigated (sugarbeet, corn, soy, rapeseed, cereals)
rainfed plots close to the farm in order to show the differences with the irrigation crops
- * National Museum of Cereals in the Arevalo Castle

13:00 - 14:00 Lunch

Moderator: Ana Carolina Lobato (Ministry of Agriculture, Fisheries and Food)

14:30 - 15:20 Spanish agriculture

- Pilar Galán and Antía Carcelén (Ministry of Agriculture, Fisheries and Food) -
- * Physical conditions and agriculture production
- * Agrifood trade - Cash crops trade

15:20 - 16:50 Innovation leading to a more sustainable management

- * Precision farming Eusebio Miguel Antolín (Farmer)
- * Agricultural innovation projects . Leguminose project- David Erice (UPA - Farmers union organization)
- * Soil management systems & direct seeding - Óscar Veroz (Conservation Agriculture Association - Living Soils)

16:50 - 17:20 Coffe break

17:20 - 18:00 Water usage and irrigation systems

- * Spanish irrigation a sustainable model Sergio de Román (Ministry of Agriculture, Fisheries and Food)
- * Water and irrigation governance and Mapa irrigation policy.

18:00 - 18:40 REDES TECO: National Network of Typical Farms

- * Background, cronology, structure, methodology, products and branches Carlos García (Tragsatec)
- * Administration perspective Pilar Galán (Ministry of Agriculture, Fisheries and Food)
- * Sector perspective, Javier Alejandro (UPA - Farmers union organization)

19:00 Dinner at the Vinery Bodega Cuatro Rayas (wine tasting)

Wed, June 12 Regenerative agriculture - countries & crops - innovations

09:00 - 10:30 Regenerative agriculture

- Joachim Lammel & Yelto Zimmer (agri benchmark); Barry Ward (University Ohio), Simon Walther (HSWT)
- * Overview concept and evidence
- * Critical evaluation
- * Draft for a thesis paper by agri benchmark Cash Crop

10:30 - 11:00 Coffee break

11:00 - 12:00 EU Farm to Fork Strategy - How to put it into political practice? Jannik Dresemann (Thünen Institute)

- * F2F does define overall goals, but no concrete political measures
- * Results from a delphi-procedure to design policy measures to put into practice F2F goals

12:00 - 13:00 Argentina - Recent developments, economics of crop production Christian Bengtsson (Bedrock)

- * Polical and economic framework conditions for one of the big players in global crop production
- * Double cropping, new crops, contractor system

13:00 - 14:00 Lunch break

14:00 - 15:00 Cotton production systems & economics

- Yangxuan Liu (Uni Georgia), Mauro Osaki (ESALQ), Ibragim Ganiev (Uni Samarkant)
- * How is cotton produced in the different regions? What rotations are in place, relevance of irrigation?
- * Economic comparison of different systems and locations

15:00 - 15:45 Robot-based weed screening and subsequent spot spraying Karen Linddal Pedersen (Patriotisk)

- * Danish technology developement to precise application maps for crop care application
- * Agronomic performance, economic potential

15:45 - 16:15 Coffee break

16:15 - 17:00 Economics of site-specific fertilization - Canadian case study Terry Aberhart (Manitoba), Yelto Zimmer (agri benchmark)

- * key elements of the technology
- * economics of site specific fertilization

17:00 - 18:00 Joint brainstorming: on-farm research concept to quantify economic potentials of precision ag

- * Ashley, Simon, Johannes, Barry will share their key questions that need to answered

18:00 "Valladolid Real, Valladolid Asturiano and Valladolid Gremial". (Historical tour of the city)

19:00 Dinner in Valladolid Restaurant "El Figón de Recoletos"

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Thu, June 13

Climate Change

08:30 - 09:45	GHG balances for typical farms - first results and perspectives (<i>Theresa Brandes, agri benchmark</i>) * Overall concept, methodological issues, data needs * Selected results for global wheat
09:45 - 09:55	<i>Coffee break</i>
09:55 - 10:55	Break-out Sessions 1. Carbon opportunity cost - implications for GHG mitigation policies - <i>Simon Walther (HSWT)</i> * Land use change is <u>the</u> driver for GHG emission in ag - how to consider this when leaching is relevant? 2. Costs and benefits of Carbon Farming? – Concept German research project - <i>Friedrich Wüstemann (Thünen Institute)</i> * Options for growers to store carbon in the soil, quantification, production system implications, economics
10:55 - 11:05	<i>Coffee break</i>
11:05 - 11:45	Review CCC24 - Outlook 2025 <i>Bus transfer to the Global Forum</i>

Thu, June 13

GLOBAL FORUM

Auditorio FUNDOS Fórum, Plaza Fuente Dorada, 6

The Spanish model for cash crop production – what is the future?

Moderator: *Inmaculada Carceller (Ministry of Agriculture, Fisheries and Food)*

12:00 - 12:30	Reception <i>Ana Rodriguez Castaño (Agricultural Productions and Markets General Director- Ministry of Agriculture, Fisheries and Food).</i>
12:45 - 13:00	REDES TECO - RED CULTIVOS <i>Inmaculada Carceller (Cash Crop and Olive Oil Deputy Subdirector -Ministry of Agriculture, Fisheries and Food)</i>
13:00 - 14:00	The agri benchmark network - How does Spanish crop production compares internationally? <i>Yelto Zimmer, agri benchmark</i>
14:00 - 15:30	<i>Lunch</i>
15:30 - 16:30	Economics of innovation in weed management <i>Leon Ranscht/Jannik Dresemann (Thünen Institute)</i>
16:30 - 16:50	<i>Coffee / tea break</i>
16:50 - 17:50	Modernized environmental programs – What can we learn from the UK? Overview from the United Kingdom (UK agri benchmark partner) Co-statement from agri benchmark partners from Spain, Australia, USA
17:50 - 19:20	Towards a more sustainable crop production - New options and developments Discussion Panel, with <i>agri benchmark</i> partners from the UK, Germany, Canada, Australia, USA and Spain
19:20 - 19:35	Conclusions and closure