

PROGRAM

8.00 - 9.00 LOGIN TO THE PLATFORM

OPENING

November 3 - HALL CREDENZ

9.00 - 9.10 President of the Congress: Ing. Agr. Dr. Mercedes Scandiani.

9.10 - 9.20 Dean of the Faculty of Agricultural Sciences and of the National University of Córdoba:
Ing. Agr. Juan Marcelo Conrero

9.20 - 9.30 ISTA President: Steve Jones. ISTA Secretary: Andreas Wais

9.30 - 9.40 President of ALAP: Ing. Agr. Julián García

9.40 - 10.30 INAUGURAL CONFERENCE: Challenges faced by agriculture. Ing. Agr. MS.C. PhD
Fernando Andrade (FCA UNMP, INTA)

10.10 - 10.30 PLENARY CONFERENCE: Impact and consequences of fungicide resistance of
pathogenic seed fungi. Ing. Agr. M.Sc Dr. Marcelo Carmona (FAUBA)

10.30 - 11.00 ROUND TABLE OF ALAP

PART I

November 3 - HALL CREDENZ

HEALTH AND FOOD SAFETY

Moderators: Ing. Agr. Dra. Mercedes Scandiani, Ing. Agr. M.Sc. Natali Lazzaro

11.00 - 12.50

- 1. Detection, epidemiology and management of *Ramularia collo-cygni*.** Lic. en Ciencias Biológicas Ignacio Erreguerena (INTA-EEA Balcarce)
- 2. *Ustilago nuda* in barley (*Hordeum vulgare*) and *Ustilago bullata* in bromus grass (*Bromus catharticus*).** Ing. Agr. Dra. Marta Astiz Gassó (Faculty of Agricultural and Forest Sciences, UNLP).
- 3. Characterization of *Stenocarpella maydis* in corn (*Zea mays*) and mycotoxicosis in ruminants.** Ing. Agr. Dra. Norma Formento (INTA-EEA Paraná), Lic. en Ciencias Biológicas Ignacio Erreguerena (INTA-EEA Balcarce)
- 4. *Alternaria* mycotoxins in barley grains, is it a threat to food safety?** Dra. Eliana Castañares (BIOLAB, INBIOTEC, UNCPBA)
- 5. Aflatoxigenic fungi in peanuts (*Arachis hypogaea*),** Dr. Germán Barros. (Faculty of Natural, Exact, Physical and Chemical Sciences. UNRC, CONICET)

12.50 - 13.10 ORAL PRESENTATIONS OF SELECTED ABSTRACTS

13.10- 13.30 Panel questions

14.30 - 15.50

- 1. Production of "seed" sweet potato (*Ipomoea batatas*) of controlled health.** Dra. Liliana del Valle Di Feo (Institute of Plant Pathology, INTA)
- 2. Incidence of viruses in inspected and identified production of seeds of the species potato (*Solanum tuberosum*) and strawberry (*Fragaria ananassa*).** Ing. Agr. Gabriel Saladrigas (INASE)
- 3. Dispersion of quarantine pests and phytosanitary management measures to prevent their introduction.** Ing. Agr. Diego Quiroga (National Directorate of Plant Protection; SENASA)
- 4. Diagnosis for pests of quarantine significance transmitted by seed for Argentina and third countries.** SENASA laboratory network. Ing. Agr. María Elena Manna. (SENASA Laboratory)

15.50 - 16.10 ORAL PRESENTATIONS OF SELECTED ABSTRACTS

16.10 - 16.30 Panel questions

PART II

November 3 - HALL CREDENZ

**PRESENT AND FUTURE CHALLENGES IN THE LEGAL AND REGULATORY FRAMEWORK.
ASPECTS RELATED TO THE TRADE OF SEEDS**

Moderator: Dra. Renata Cascardo. Director of Judicial Affairs of INASE

16.30 - 18.00

1. **The law of the Seeds** Ing. Agr. Joaquín Serrano (President INASE)
2. **The importance of certification systems in the international seed trade.** Ing. Agr. Pedro Lavignolle (Certification Director, INASE)
3. **Update on the Registration of Varieties in Argentina,** Ing. Agr. Hernando Pecci (Director of Variety Registration INASE)
4. **The Convention on Biological Diversity – TIRFAA.** Dra. María Laura Villamayor (Coordinator of Institutional and Inter-jurisdictional Relations INASE)
5. **Control of Seed Marketing. Its relation with productivity.** Ing. Agr. Pablo Palacios - Dr. Mariano Petruzela (INASE Control Department)

18.00 - 18.40 ORAL PRESENTATIONS OF SELECTED ABSTRACTS

18.40 - 19.00 Panel questions

PART III

November 3 – HALL 25 YEARS

**GENETICS IN SEEDS, CHALLENGES FOR THE ANALYSIS OF THE NEW GENERATION OF
IMPROVED SEEDS**

Moderators: Dra. Ana Laura Vicario. Ing. Agr. Dr. Jorge Valdéz, Ing. Agr. Daniel Morisigue

11.00 - 13.00

1. **History of agriculture and its relationship with crop improvement: from empirical genetics to breeding 4.0.** Dr. H. Esteban Hopp (FCEyN-UBA)
2. **Contributions of genomics to the improvement of crops.** Dra. Norma Paniego (INTA. Biotechnology Institute)
3. **Development of new cultivars in the public sector: industrial, forestry, floral and horticultural crops, and forage crops.**
Industrial crops. Ing. Agr. M.Sc. Dr. Luis Erazzu (INTA)
Forest. Ing. Ftal. PhD María Elena Gauchat (INTA)
Horticultural, Flowers, Aromatic and Medicinal Ing. Agr. M.Sc. PhD Daniel Kirschbaum. (INTA)
Forage crops, Pastures and Grassland Management. Ing. Agr. M.Sc. Dra. Mariela Acuña (INTA)
4. **Importance of the seed in the varietal improvement of sugar cane.** Ing. Agr. María Inés Cuenya (EEAOC)

13.00 - 13.10 ORAL PRESENTATIONS OF SELECTED ABSTRACTS

13.10 - 13.30 Panel Questions

14.30 - 15.05

1. **Innovation in the improvement of Cereals and Oilseeds. A look from INTA.** Dr. Marcelo Helguera (INTA Marcos Juárez)
2. **Agricultural biotechnology: where we are and where we are going.** Dra. Gabriela Levitus (Argenbio)

15.05 - 15.15 Panel questions

15.15 - 16.15

1. **Public perception and public policies for the accompaniment of local developments.** Dra. Dalia Lewi (Department of Biotechnology, Ministry of Agriculture, Livestock and Fisheries of the Nation)
2. **Regulatory system of species improved by biotechnological methods.** Lic. Agustina Whelam (Department of Biotechnology, Ministry of Agriculture, Livestock and Fisheries of the Nation)
3. **How to use molecular markers for variety identification and registration** Dra. Ana Vicario (INASE)
4. **SNP Markers: Seed Quality Assurance in Uruguay.** Lic. Bioq. Mariana Menoni (INASE Uruguay)

16.15 - 16.35 ORAL PRESENTATIONS OF SELECTED ABSTRACTS

16.35 - 16.55 Panel questions

16.55- 17:10 **Closure: conclusions and perspectives:** coordinators of thematic points.

SEED SPECIALIZATION HALL ALAP 25 YEARS

Postgraduate Courses and Bibliography Offers
Moderator: Ing. Agr. Martina Souilla

17:10 - 17.50

1. **Specialization in the Production of Cereal, Oilseed and Forage Seeds. Faculty of Agrarian Sciences UNR.** Dra. Ing. Agr. M.Sc. Raquel Benavídez.
2. **Master of Agricultural Sciences. Mention in Seed Technology. Faculty of Agricultural Sciences UNC.** Dr. Paula Bima
3. **Practical guide "Physical-physiological quality of soybeans"** Ing. Agr. Daniel Bayce, Lic. Bioq. Mariana Menoni (INASE Uruguay)
4. **Book "Physiological foundations of germination. Morphoanatomic aspects of the seeds. Seed quality test"** Authors: Francisco José Cardinali - Mónica Liliana Murcia. Editorial EUDEM (UNMdP).

17.50 - 18.00 Panel questions

PART IV

November 4 - HALL CREDENZ
THE SEED QUALITY ANALYSIS

8.00 - 8.40 ROUND TABLE: WHAT IS ISTA?

Coordinator: Ing. Agr. M. Sc. Ignacio Aranciaga

Ing. Agr. M.Sc. Carina Gallo (Vigour Committee, ISTA), Ing. Agr. Esp. Augusto Martinelli (Purity, Tetrazolium and Germination Committee, ISTA), Ing. Agr. María Belén Aranguren (Tetrazolium Committee, ISTA), Ing. Agr. Mailén Martínez (Advanced Technology Committee, ISTA), Dra. Ana Laura Vicario, (OGM and Varieties Committee, ISTA)

8.40 - 8.50 Panel questions

8.50 - 9.50 THE PRESENCE OF OTHER SEEDS AND THEIR EFFECT ON THE PRODUCTIVE SYSTEM

Moderators: Ing. Agr. Dr. Alberto Galussi, Ing. Prod. Agr. Milagros Tommasi

1. **Basis of herbicide resistance: seed as a mean of propagating weed resistance.** Ing. Agr. M.Sc. Victor Juan (Faculty of Agronomy, UNCPBA).
2. **Herbicide-resistant weeds in Cordoba: seeds, bio-ecological and management aspects that influence their persistence.** Dr. M.Sc. Ing. Agr. Enzo Bracamonte (Faculty of Agricultural Sciences, UNC)
3. **Herbicide resistance in the southeast of Buenos Aires province: influence of agricultural machinery on the dissemination of seeds.** Ing. Agr. Patricia Diez de Ulzurrun (Faculty of Agricultural Sciences, UNMDP)

9.50 - 10.00 ORAL PRESENTATIONS OF SELECTED ABSTRACTS

10.00 - 10.10 Panel questions

10.10 - 10.30 QUALITY TESTING OF SEED LOTS - SAMPLING

Moderator: Ing. Prod Agr. Milagros Tommasi

Ing. Agr. M.Sc. Ignacio Aranciaga

10.30 - 10.40 Panel questions

10.40 - 11.40 VIABILITY BY TETRAZOLIUM

Moderators: Ing. Agr. María Belén Aranguren, Ing. Agr. Ivanna Urbinatti

1. **Tetrazolium as a tool for decision making in subtropical forage seedlings.** Ing. Agr. Rosalba Peman (Oscar Peman y Asoc. S.A.)
2. **Viability tests on native woody species of Chaco** Ing. Agr. Mgter. Nelly Roxana Abdala (Fac. Cs. Forestales, UNSE), Lic. Biol. Amalia Valeria Ibáñez Moro (Fac. Cs. Forestales, UNSE)
3. **Tree species of economic and environmental interest in Northeast Argentina (NEA).** Ing. Forestal M.Sc. Beatriz Irene Eibl (Fac. Cs. Forestales, UNaM)

11.40 - 12.10 ORAL PRESENTATIONS OF SELECTED ABSTRACTS

12.10 - 12.20 Panel questions

12.20 - 13.20 SEED GERMINATION TEST

Moderators: Ing. Agr. Esp. Augusto Martinelli, Ing. Agr. Maria Elisa Rosenzvaig

1. **Germination of seeds of *Bromus aulethicus* with different methods of dormancy breaking.** Ing. Agr. Silvana M.Sc. González Parodi (INIA Uruguay)
Seed germination tests: difficulties of its practice. Ing. Agr. Esp. Augusto Martinelli (Rayen Laboratories)
2. **Germination of *Ruprechtia apetala* for its domestication.** Bioq. M. Sc. María Soledad Díaz (CEPROCOR)

13.20 - 13.50 ORAL PRESENTATIONS OF SELECTED ABSTRACTS

13.50 - 14.00 Panel questions

14.30 - 15.55 VIGOR

Moderator: Ing. Agr. Claudia Carracedo

1. **Understanding the concept of Vigor. Interpretation of results.** Ing. Agr. PhD. Roque Craviotto (INTA- EEA Oliveros)
2. **Validation of the electrical conductivity method in sunflower seeds.** Ing. Agr. Dra. Cytia Szemruch (Facultad de Ciencias Agropecuarias, UNLZ)
3. **The Vigor method in corn.** Ing. Agr. Dra. Miriam Arango (INTA- EEA Oliveros)
4. **Radicle Emergence Test: can it be applied to soybeans?** Ing. Agr. M.Sc. Carina Gallo (INTA - EEA Oliveros)
5. **Contributions of vigor determinations to the management of crops of regional importance: peanuts and chickpeas.** Dra. Camila Illa, Dra. María Alejandra Pérez (Faculty of

Agricultural Sciences, UNC)

15.55 - 16.25 ORAL PRESENTATIONS OF SELECTED ABSTRACTS

16.25 - 16.40 Panel questions

16.40 - 18.20 INNOVATIONS IN SEED QUALITY: THE TECHNOLOGY OF THE NEW ERA

Moderators: Ing. Agr. Mailén Martínez, Ing. Agr. PhD. Roque Craviotto

1. **Computerized image analysis of seedlings in the evaluation of seed vigor.** PhD. Francisco Guilhien Gomes Junior (University of São Paulo. USP) Luiz de Queiroz (College of Agriculture. Esalq) - Advanced Technologies Committee, ISTA.
2. **Multispectral images in seed quality analysis.** PhD Birte Boelt. Senior Scientist. Department of Agroecology. Crop Health. Aarhus University
3. **Varietal determination of seeds using image processing and artificial intelligence.** Fernando Martínez de Hoz (ZOOMAGRI - Co-founder & Managing Director)
4. **Nonthermal plasma: innovative technology for the improvement of the quality of seeds.** Dra. Karina Beatriz Balestrasse (CONICET, UBA)
5. **EEAOC Vitro Plants Project: Production of high quality seed cane to improve sugarcane production.** Ing. Agr. Patricia Dignonzelli (EEAOC)

18.20 - 18.50 ORAL PRESENTATIONS OF SELECTED ABSTRACTS

18.50 - 19.00 Panel questions

PART V

Noviembre 4- HALL ALAP 25 YEARS

THE PRODUCTION OF QUALITY SEEDS AND THE APPLICATION OF TECHNOLOGICAL INNOVATIONS

08.00 - 08.50 CHALLENGES FOR THE 2020-2025 CYCLE. Moderator: Ing. Agr. M.Sc. Mónica Murcia (FCA-UNMdP)

Invited entities:

MAPO (MOVIMIENTO ARGENTINO PARA LA PRODUCCIÓN ORGÁNICA): Lic. Enrique Cresta
ASAHO (ASOCIACIÓN ARGENTINA DE HORTICULTURA): Ing. Agr. M.Sc. Julio César Gaviola
FORESTALES. INBIES (INSTITUTO DE BIOTECNOLOGÍA ESQUEL) Ing. Ftal. Leonardo Taccari
REVINA (RED DE VIVEROS DE PLANTAS NATIVAS): Ing. Agr. M.Sc. Marcela I. Sánchez, Ing. Agr. M.Sc. Pedro Aboitiz, C.P.N. Ingrid Villanova, Ing. Ftal. M.Sc. Beatriz Eibl, Ing. Ftal Rosana Gutiérrez

8.50 - 9.10 Panel questions

9.10 - 10.00 CHALLENGES FOR THE 2020-2025 CYCLE. Moderator: Ing. Agr. M.Sc. Mónica Murcia (FCA-UNMdP)

Invited entities:

CLERA (CÁMARA DE LEGUMBRES DE LA REPÚBLICA ARGENTINA): Ing. Prod. Agr. Adrián Poletti
CAA (CENTRO AZUCARERO ARGENTINO): Ing. Jorge Feijoo
YERBA MATE: Lic. Dra. Natalia Dolce (UNNE)
FUNDACIÓN MANÍ ARGENTINO: Lic. Martín Frigerio
APPASBA (ASOCIACIÓN DE PRODUCTORES DE PAPA SEMILLA DE LA PROVINCIA DE BUENOS AIRES): Sr. Juan Pérsico

10.00 - 10.10 Panel questions

10.10 - 11.10 CHALLENGES FOR THE 2020-2025 CYCLE. Moderator: Ing. Agr. Juan

Erdmann (ASA)

Invited entities:

ASA (ASOCIACIÓN DE SEMILLEROS ARGENTINOS): Sr. Alfredo Paseyro

ASAGIR (ASOCIACIÓN ARGENTINA DE GIRASOL): Ing. Leandro Barcos

MAIZAR (ASOCIACIÓN MAÍZ Y SORGO ARGENTINO): Ing. Agr. Alberto Morelli

ACSOJA (ASOCIACIÓN DE LA CADENA DE LA SOJA ARGENTINA): Ing. Agr. Martín Ambrogio

PROSOJA ASOCIACIÓN CIVIL: Ing. Agr. Rodolfo Rossi

ALGODÓN. GENSUS (GENÉTICA SUSTENTABLE) Ing. Prod. Agr. Pablo Vaquero

11.10 - 11.20 Panel questions

11.20 - 12.00 CHALLENGES FOR THE 2020-2025 CYCLE. Moderator: Ing. Agr. Fidel Cortese (Private advisor)

Invited entities:

ARGENTRIGO (ASOCIACIÓN ARGENTINA DE TRIGO): Ing. Agr. Miguel Cané

FUNDACIÓN PROARROZ: Ing. Agr. Hugo Muller

CÁMARA DE LA INDUSTRIA CERVECERA ARGENTINA: Ing. Agr. M.Sc. Dr. Antonio Aguinaga

CSBC (CÁMARA DE SEMILLERISTAS DE LA BOLSA DE CEREALES): Ing. Agr. Pablo Grehan

12.00 - 12.10 Panel questions

12.10 - 13.30 GOOD PRACTICES. Moderator: Ing. Agr. Juan Marassi (Ricetec S.A.)

- 1. Good agricultural practices in seed production. Professional Seed Production Project (need).** (CASEM). Ing. Agr. Edgardo Motto (CASEM)
Execution (authors). Ing. Agr. M.Sc. Luis A. Carrancio (EEA- INTA Oliveros)
Implementation. Ing. Agr. Rafael Abrate (Acopio Arequito)
- 2. Production and Welfare. The Agronomist and his challenge:** Dr. Sci. Jorge González Montaner (CREA Mar y Sierras)
- 3. Sustainable Agriculture Certification in seed production** Ing. Agr. José Luis Tedesco (Aapresid)
- 4. Storage and conservation of Seeds.** Ing. Agr. Dr. Ricardo Bartosik (EEA-INTA, Balcarce)
- 5. Practical guide "Physical-physiological quality of soybeans"** Ing. Agr. Daniel Bayce (INASE Uruguay)

13.30 - 13.45 Panel questions

14.30 - 15.20 SEED TREATMENT. Moderator: Ing. Agr. Juan Erdmann (ASA)

- 1. Registration of phytosanitary products for the treatment of pests in seeds** Ing. Agr. Daniel Mazzarella (SENASA)
- 2. Sustainable disease management strategies in cereal crops.** Ing. Prod. Agr. Julio J. Muriel (FRAC Argentina)

15.20 - 15.30 Panel questions

15.30 - 16.45 SEED TREATMENT. Business Panel. Moderator: Ing. Agr. Juan Erdmann (ASA)

- 1. Pests and diseases that affect crops the most: challenges for the future.** Ing. Agr. Mara Pavan (SummitAgro)
- 2. Professional seed treatment vs. on farm treatment.** Ing. Agr. Nicolás Bongiorno (Syngenta)
- 3. Application technology: Polymers.** Ing. Agr. Juan Cruz Cuellas (BASF ARGENTINA S.A.)
- 4. New modes of action and inclusion of new seed treatment technologies.** Ing. Agr. Gabriel Mina (Rizobacter)
- 5. Survey of diseases in soybean seeds to evaluate the efficacy of seed treatments.** Dra. Biol.

María Laura Ramos (Bayer)

16.45 - 17.00 Panel questions

17.00 - 17.30 PANEL OF SPONSORING COMPANIES. Moderator: Ing. Agr. Antonio Aguinaga (Cervecería y Maltería Quilmes)

- 1. Seed production and genetic improvement of chickpea in Argentina.** Dra. Ing. Agr. Julia Carreras, Mg. Cdr. Horacio Gastón López, Mg. Ing. Agr. Julieta Reginatto. (Vitulo Agro S.A.)
- 2. Innovative solutions from BASF.** Ing. Agr. Pablo Ramírez D'Auria.(BASF Argentina S.A)

17.30 - 18.00 ORAL PRESENTATIONS OF SELECTED ABSTRACTS

18.00 - 18.15 Panel questions

CLOSING HALL ALAP 25

19.00 CONFERENCE: Lic. Anna Peretti, Ing. Agr. PhD. Roque Craviotto