



9th International Triticale Symposium

May 23-27, 2016. Szeged, Hungary

PROGRAM

VENUE:

Cereal Research Non-Profit Ltd.

Alsokikotosor 9.

Szeged, 6726

Hungary





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ORGANIZERS

Cereal Research Non-Profit Ltd., Szeged, Hungary
International Triticale Association
EUCARPIA Cereal Section
Association of Hungarian Plant Breeders

Patron

Sándor Fazekas Dr., Minister of Agriculture, Budapest, Hungary

MAY 23, MONDAY, 2016

17⁰⁰ - 21³⁰ Registration
Hanging posters
Welcome Reception

MAY 24, TUESDAY, 2016

8³⁰ Registration

Plenary Session

10³⁰ Opening (*Bona L, Börner A, Haesaert G*)

10⁴⁵ *Feldman Zs* - Welcome speech - The importance of cereals and triticale in the Hungarian agriculture. Renewing the Hungarian agricultural research and innovation system

11¹⁵ *Bona L, Kiss J* - Centenary of a triticale pioneer: Arpad Kiss (1916-2001)

11³⁰ *Lelley T* - 23 Years research work devoted to triticale - An overview

12⁰⁰ COFFEE BREAK

12²⁰ *Eudes F, Ziemienowicz A, Bilichak A, Maheshwari P, Pepper J* - Nanocarrier-cargo technology for engineering nucleus and mitochondria of triticale microspore

12⁵⁵ *Börner A, Nagel M, Pistrick S, Richter J, Lohwasser U* - Triticale in the large genebanks - state of the art

13³⁰ *Bona L* - Announcement

13⁴⁰ - 15⁰⁰ LUNCH, POSTER SET UP



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MAY 24, TUESDAY, 2016

Session I. Genetics, biotechnology and breeding

Session chair: Harpinder S. Randhawa

- 15⁰⁰ Keynote speaker: **Bedo Z, Lang L, Bognar Z, Vida Gy** - Challenges in cereal development: breeders' aspects and responses
- 15⁴⁰ *Stoyanov H, Baychev V* - Achievements and tendencies in the breeding of triticale in Bulgaria
- 16⁰⁵ *Dhariwal R, Randhawa H S, Fedak G, Dion Y, Eudes F, Laroche A, Pozniak C* - Genetic mapping of disease resistance and agronomic traits using SNP markers in a triticale
- 16³⁰ COFFEE BREAK
- 16⁵⁰ *Bouguennec A, Lesage V, Jahier J, Lonnet P* - Use of intergeneric crosses in cereals and in particular for increasing triticale genetic diversity
- 17¹⁵ *Tikhenko N, Rutten T, Senula A, Tsvetkova N, Rubtsova M, Keller J, Voylovkov A, Börner A* - Reproductive barrier between common wheat and rye depends on ploidy level of the hybrids
- 17⁴⁰ *Lantos C, Bona L, Kruppa J, Purgel S, Pauk J* - Results and challenges of *in vitro* androgenesis techniques for triticale breeding
- 18⁰⁵ *Ammar K, Delgado Ramos F, Rascón Gámez R, Magallanes Mendez F* - Evolution of the CIMMYT Triticale Breeding Program and recent achievements in Mexico
- 18³⁰ EUCARPIA CEREAL SECTION ESTABLISHMENT OF TRITICALE WORK GROUP - *Börner A, Haesaert G, Bona L*
- RENEWAL OF INTERNATIONAL TRITICALE ASSOCIATION - *Haesaert G, Bona L, Börner A*
- 19³⁰ GOULASH PARTY



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Session II. Crop management and agronomy research

Session chair: Gheorghe Iltu

- 09²⁰ Keynote speaker: **Haesaert G** - A further expansion of the growing area of triticale needs an increase in input-response efficiency
- 10⁰⁰ *Derycke V, Vanderstraeten M, Wambacq E, Haesaert G, Latré J* - Evaluation of yield and water-holding capacity of straw from triticale and wheat
- 10²⁵ *Beres B L, Pageau D, Dion Y, Turkington T K, Lupwayi N Z, Larney F J, Ellert B, Smith E* - Rotational diversity effects in a triticale-based cropping system
- 10⁵⁰ COFFEE BREAK
- 11¹⁰ *Ragalyi P, Kadar I, Szabo A* - Effect of meat and bone meal (MBM) and composted slaughterhouse wastes on triticale yield and element composition
- 11³⁵ *Warzecha R, Ochodzki P, Żurek M, Grzeszczak I, Małuszyńska E* - Studies on the value of triticale cultivars for organic farming in Poland
- 12⁰⁰ - 14⁰⁰ - INTERNATIONAL TRITICALE ASSOCIATION MEETING (*Haesaert G*)
- POSTER SESSION
- 13⁰⁰ - 14⁰⁰ LUNCH



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Session IV. Utilization of triticale – food and feed aspects

Session chair: Willem Botes

- 14⁰⁰ Keynote speaker: **Chibbar R N** - Grain storage carbohydrates – novel targets for triticale grain quality improvement for human health and industrial applications
- 14⁴⁰ *Lango B, Acs E, Tömösközi S, Bona L* - Triticale end-use: nutritional and technological properties of Hungarian genotypes
- 15⁰⁵ *Megyeri M, Ay Z, Kovacs-Weber M, Miko P* - Triticale, a promising green forage crop for organic agriculture
- 15³⁰ COFFEE BREAK
- 15⁵⁰ *Gołębiewska K, Fraś A, Gołębiewski D, Mańkowski D R, Boros D* - The effect of added concentrated oat fibre on the chemical composition of triticale breads
- 16¹⁵ *Lozano-del Río A J, Nava-Cruz A R, Ammar K* - Highly promising yield and quality potential of facultative-winter triticale as a green forage source for dairy production in the Laguna Region of Northern Mexico
- 16⁴⁰ *Acs K, Acs E, Varga L, Bona L, Petroczi I M* - Quality parameters of flour blends using new Hungarian triticale varieties
- 17⁰⁵ TRITICALE FOOD AND ALAKOR (EINKORN) BIO-BEER SHOW AND TASTING
- 19⁰⁰ CONCERT IN THE ST. ELIZABETH ROMAN CATHOLIC CHURCH
(Ten minutes walking distance from the symposium venue)



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Session III. Physiology, abiotic- and biotic stresses

Session chair: Edward Arseniuk

09²⁰ Keynote speaker: *Akshay Vats, Dhanda S S, Renu Munjal, Behl R K* - Comparative performance of triticale and wheat genotypes for physiological traits, grain yield attributes and nutrient use efficiency

10⁰⁰ *Condon A G* - Tall tales: the influence of plant height on grain yield of triticale

10²⁵ *Degraeve S, Ameye M, Steppe K, Haesaert G* - Impact of drought stress on photosynthetic and fluorescence parameters, yield and root growth of triticale

10⁵⁰ COFFEE BREAK

11¹⁰ *Bishnoi O P, Sethi S K* - Comparative performance of triticale genotypes in North Western Plain Zone for grain yield and its attributes

11³⁵ *Niedziela A, Bednarek P T* - Methylation changes relative to Al stress in triticale

12⁰⁰ *Benbelkacem A, Sadli F* - Occurrence of triticale diseases in Algeria: Overview of the last decade

12²⁵ *Huerta-Espino J, Ammar K, Singh R P, Garcia-Leon E* - Yellow rust disease on triticale in Mexico, a different *formae specialis* or just lack of virulence to common wheat Yr genes

12⁵⁰ - 14³⁰ POSTER SESSION

13³⁰ - 14³⁰ LUNCH



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Session V. Economy, marketing extension and social aspects

Session chair: Karim Ammar

- 14³⁰ Keynote speaker: **Bağcı A, Kan M** - Economical aspects of triticale seed and grain production
- 15¹⁰ *Butnaru G, Gustafson J P* - The motivation of research, the extension strategy to create a favorable approval and to evaluate the practical results
- 15³⁵ *Kalenska S, Tasheva U, Kalenskiy V, Novicka N, Gonchar L* - Productivity of triticale in Ukraine
- 16⁰⁰ COFFEE BREAK
- 16²⁰ *Cooper K V, Elleway M G, Pattison A L, Trethowan R M* - Australian triticale update: New cultivars, quality aspects and funding outlook
- 16⁴⁵ *Derbal N, Benbelkacem A* - Promotion of triticale as a forage crop
- 17¹⁰ *Arseniuk E* - Triticale improvement and production in Poland
- 17³⁵ CLOSING REMARKS (*Börner A, Haesaert G, Bona L*)
INTERNATIONAL TRITICALE ASSOCIATION MEETING - DECISION ON THE NEXT SYMPOSIUM
- 18⁴⁵ POSTER WRECKING
- 19⁰⁰ SYMPOSIUM DINNER



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MAY 27, FRIDAY, 2016

TOUR DAY

09³⁰ **Field tour** Buses start from Hotels.

Szeged - Kecskés, Domaszék: View of Demonstration Plots of cereals and the triticales submitted to the Symposium. After field tour, program will continue with the Social tour.

14⁰⁰ **Social tour** - You should choose: option I., or II.

Option I. National Agricultural Research and Innovation Centre, Research Institute for Viticulture and Enology – Kecskemét. A winery-site tour (90 km from Szeged)

This Institute, one of the first founded and still present viticultural and enological research station is the successor of the Central Viticultural Experimental Station, was founded in 1896. From 2014, it works with two stations (Badacsony and Kecskemét) as the part of the network of the National Agricultural Research and Innovation Center (NARIC).

This Institute makes research, consultation and educational activity in all of the three disciplines of the sector – in viticulture, enology and economy, takes part in international, national and local R+D projects. In the frame of this the institute cooperate with several research, academic and professional organization. The accredited laboratory of the institute carries out the analyses of soil- and plant samples, enological products.

14.10 *Szabo A, Majer J* – Welcome speech

14.15 *Hajdu E* - Presentation on the research activity at the Research Station

14.40 Wine tasting of Kecskemét and Badacsony Hungarian wines

16.00 Finishing the program and start back to Szeged

Purchase of wines is possible at the winery-site.

Option II. Thermal –Spa Relaxation program at the Makó – Hagymatikum Spa (30 km dist.)

Bring your swimming suit!

To reach the Hagymatikum Thermal Bath of Makó takes about twenty-five minutes from Szeged by the bus. The thermal spa, having been renewed in its appearance, offers relief for people longing for cure with its thermal water and the power of the Maros therapeutic mud as well as pleasant relaxation for families and groups of friends with its exceptionally beautiful wellness facility. The building of the Hagymatikum Spa is one of the greatest realized dreams of Imre Makovecz, the world famous organic architect.

You should choose between the two options and give your decision to the registration desk till Wednesday 13.30 p.m.

19⁰⁰ **CLOSING DINNER**

Halászcsárda (Fish Restaurant, Downtown, Szeged, Roosevelt sq. 14.)



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ACCOMPANYING PERSONS PROGRAM

May 24, Tuesday, 2016

- 13⁴⁰ - 15⁰⁰ Lunch
- 15⁰⁰ - 18⁰⁰ Szeged - Tour (downtown, Dóm Roman Cath. Temple)
- 19³⁰ Goulash party

May 25, Wednesday, 2016

- 13⁰⁰ - 14⁰⁰ Lunch
- 14⁰⁰ - 16³⁰ Szeged - Aqua Spa (Napfényfürdő Aquapolis). Bring your swimming suit!
- 17⁰⁵ Triticale food and alakor (einkorn) bio-beer show and tasting
- 19⁰⁰ Concert in the St. Elisabeth Roman Catholic Church
(Ten minutes walking distance from the symposium venue)

May 26, Thursday, 2016

- 13³⁰ - 14³⁰ Lunch
- 14³⁰ - 18⁰⁰ Szeged-Tour (Árkád, Zsinagóga – Synagogue)
- 19⁰⁰ Symposium dinner

May 27, Friday, 2016

Field and Social Tour Day - according to the main program.

