

EUCARPIA

European Association for Research on Plant Breeding, Cereal Section



*International Symposium on Rye Breeding & Genetics
Minsk, Belarus, 29 June -2 July 2010*

THIRD CIRCULAR

Host: Scientific and Practical Centre of Belorussian NAS for Arable Farming (SPCAF)

International Scientific Committee:

Geiger, H.H., Hohenheim, Germany (Chairman)
Bedo, Z., Martonvasar, Hungary (Vice-Chairman)
Banaszak, S., Choryń, Poland
Goncharenko, A., Nemchinowka-1, Russia
Gustafson, P., University of Missouri, USA
Hardzei, S., Zhodino, Belarus
Kilchevskij, A., Minsk, Belarus
Korzun, V., Einbeck, Germany
Masojc, P., Szczecin, Poland
Melz, G., Nienstädt, Germany
Miedaner, Th., Hohenheim, Germany
Pryvalau, F., Zhodino, Belarus
Urban, E., Zhodino, Belarus
Wilde, P., Bergen, Germany

Local Organizing Committee:

Hardzei, I. – Institute of Genetics and Cytology (IGC)
Kadyrau, M. – Scientific and Practical Centre of
Belorussian NAS for Arable Farming (SPCAF)
Lishtvan, E. – SPCAF
Peskovskaya, I. – SPCAF
Sergeenko, I. – SPCAF
Urban, E. – SPCAF

PRELIMINARY PROGRAMME

Tuesday, 29 June, 2010

10:00-20:00 Arrival and Registration
20:00 Opening Reception

Wednesday, 30 June, 2010

08:00-09:00 Registration

Opening

09:00-09:30 Welcome addresses
H.H. Geiger (Chairman of the International Scientific Committee)
M.A. Kadyrau (Deputy Director of SPCAF)

Plenary Session 1: Rye breeding and production

09:30-10:10 Survey of rye breeding and production in Europe: R. von Broock (Germany)
10:10-10:50 Progress in rye breeding in Russia: A.A. Goncharenko (Russia)

10:50-11:20 Coffee & Tea Break

11:20-11:40 Rye in Poland: S. Banaszak (Poland)
11:40-12:00 Main trends and results of rye breeding in Belarus: E. Urban (Belarus)
12:00-12:20 Rye breeding in Lithuania: V. Ruscas (Lithuania)
12:20-13:30 *Lunch*

Plenary Session 2: Breeding methods

13:30-13:50 Methods and results of rye breeding in Ukraine: D. Yegorov (Ukraine)
13:50-14:25 Best linear unbiased prediction (BLUP) of breeding values: P. Wilde (Germany)
14:25-15:00 Genome-wide-selection, a new challenge in hybrid breeding: G. A. Gordillo (USA)

15:00-15:30 Coffee & Tea Break

Plenary Session 3: Genetic resources and molecular tools

15:30-16:10 tba
16:10 -16:50 Recent progress in the development and application of new molecular markers: B. Hackauf (Germany)
16:50-17:10 Development and characteristics of a rye introgression library: C. Falke (Germany)
17:10-17:30 Utilizing molecular markers in rye genome investigation: N.A. Kartel (Belarus)

17:30 -18:00 Coffee & Tea Break

Poster Session A:

Breeding & Breeding Methods, Genetic Resources & Diversity, Molecular Breeding

18:00 -19:00 Poster discussions (informal)

19:00-21:00 Dinner

Thursday, 01 July, 2010

Plenary Session 4: Cytogenetics and *in vitro* culture

08:00-08:40 State and perspectives of tissue culture and genetic engineering: J. Kumlehn (Germany)
08:40-10:00 Genetic basis of the rye (*Secale cereal L.*) tissue culture response: M. Rakoczy-Trojanowska (Poland)

10:00-10:30 Coffee & Tea Break

Plenary Session 5: Disease resistance and stress tolerance

10:35-11:05 Strategies in breeding for disease resistance: T. Miedaner (Germany)
11:05-11:25 Leaf rust resistant hybrids of G-type male sterility: G.Melz (Germany)

11:25-12:05 Physiological and genetic basis of frost tolerance in winter cereals: J. Leipner (Switzerland)
12:05-12:25 **tba**

Poster Session B: Cytogenetics, Disease Resistance & Stress Tolerance, Quality

12:25 – 13:25 Poster discussions (informal)

13:25-14:30 Lunch

14:30 – 19:00 Excursion to experimental fields of SPCAF of Belorussian NAS

16:30-17:00 Coffee & Tea Break in field

19:00-21:00 Dinner

21:00 Bus transfer back to the hotel

Friday, 02 July, 2010

Plenary Session 6: Nutritional and technological quality

08:00-08:40 Genomic architecture of preharvest sprouting: P. Masojc (Poland)

08:40-09:10 Breeding rye for bio-energy production: S. Roux (Germany)

09:10-09:40 Nutritional qualities of rye in food and feeding: H. Brinch-Pedersen (Denmark)

09:40-10:00 **tba**

Plenary Session 7: EU regulations for variety listing, DUS assessment, and seed certification

10:00 –10:15 Statutory variety testing and listing regulations in Belarus: T. Semashko (Belarus)

10:15 - 10:35 Seed certification in EU: N.N.

10:35 -10:55 Closing meeting (Chair: H.H. Geiger). The place of the next “EUCARPIA Rye Meeting-2014”

10:55-12:00 Lunch

12:00-17:00 Excursion to historical places of Belarus

17:00-18:00 Excursion dinner

18:00 Bus transfer back to the hotel, end of the Symposium.



SYMPOSIUM SECRETARIATE

EUCARPIA International Symposium on
Rye Breeding & Genetics
Scientific and Practical Centre of Belorussian NAS for Arable Farming
Timiryazeva st 1
222160 Zhodino
Belarus
Phone: +375-1775-35330
Fax: +375-1775-37066
e-mail: spcaf@mail.ru

ABSTRACTS

Participants are invited to submit abstracts for their announced contribution. Electronic submissions are preferred. For more details see INSTRUCTIONS FOR AUTHORS OF ABSTRACTS at the end of this circular. Please send abstracts to the Symposium Secretariate: spcaf@mail.ru

NOTE: New deadline for abstract submission is **15 April 2010**.

The organizers may not be able to accommodate all suggested contributions as oral presentations. Thus, all abstracts will be reviewed by members of the scientific committee. This will take two to three weeks after the deadline for submission of the abstracts. Abstracts will be accepted for oral and poster presentations.

LOCATION & ROOM RATES:

The symposium will take place at the
Scientific and Practical Centre of Belorussian NAS for Arable Farming
Timiryazeva st 1
222160 Zhodino
Belarus
Phone: +375-1775-35330
Fax: +375-1775-37066
e-mail: spcaf@mail.ru

In Minsk the hotel room rate will be € 40-120 per night (single or double occupancy, **incl. breakfast**), hotel "Yubileinaya" – Minsk, Pobeditelej avenue, 19. For more information please see <http://www.hotels-minsk.com>. There are cheaper hotels in Zhodino. Cost of hotel room (single or double occupancy, **without breakfast**) is € 10-20 per night. There will be direct bus connection between hotels (Minsk, Zhodino) and conference hall without additional payment.

You have to contact to the SYMPOSIUM SECRETARIATE for room reservation spcaf@mail.ru.

NOTE: The new **deadline** for obtaining the “Rye 2010 Conference” hotel rate is **April 15, 2010**.

VISA

NOTE. For the trip to Belarus each participant must apply for a visa in a Belorussian Embassy of his/her country (except Russia, Ukraine, Kazakhstan). The Organizing Committee will provide each participant with a letter of invitation being necessary for obtaining a visa. Please send the following data to the SYMPOSIUM SECRETARIATE: name, first name, your position, organisation, post address, No. of Passport or of another document, date of birth (see response form).

REGISTRATION:

The regular fee for the rye symposium will be **€ 170, -**.

The reduced fee for EUCARPIA members will be **€ 130, -**.

The reduced fee for scientists from East-European countries and for **young (≤35 years)** scientists from Western Europe will be **€ 120, -**.

NOTE: The registration deadline is 15 April, 2010. For registration please complete the Response Form attached below and send it to the [SYMPOSIUM](#) SECRETARIATE.

The registration fee includes one copy of the printed conference abstracts, a pre-registration list of participants, symposiums proceedings, Tuesday evening opening reception, Wednesday and Thursday lunch & dinner, Friday lunch , 3 days coffee, tea, and soda, shuttle transfer to hotels, conference-hall and excursion dinner.

Methods of payment in €:

Correspondent-Banks (you can choose one of two below mentioned Banks):

1. Bayerische Hypo-und-Vereins-Bank AG, Munich,
SWIFT CODE: HYVEDEMM
Account No. 68124859
2. Deutsche Bank AG, Frankfurt/M
SWIFT CODE: DEUTDEFF
Account No. 100949781900

Beneficiary's Bank

BPSBBY2X
EAF sorting code: 99900476
Belpromstroibank (Head Office) Minsk, Belarus
Belpromstroibank Branch Zhodino Belarus
SWIFT CODE: BPSBBY21342
Account No. 3012000785094 / 978

Purpose of payment (mention on the remittance form): EUCARPIA Rye Meeting 2010

NOTE: Payment **FREE FROM ALL BANK-CHARGES** must be remitted in Euro until **May 01, 2010**. All payments must indicate the above mentioned **purpose** AND the **full name of the participant**.

International Symposium on Rye Breeding & Genetics, Minsk, 29 June – 02 July 2010

RESPONSE FORM

Please return this form before 15 April 2010 to the **symposium secretariat** (preferably by e-mail):

Name:

Address:

Phone:

Fax:

E-mail:

I apply for the registration fee of

€ 170,00

€ 130,00 as EUCARPIA member

€ 120,00 as participant from Eastern Europe.

I am interested in presenting a

PAPER POSTER

Title of paper/poster:

I would appreciate an accommodation at

10-20 € 40-50 € 50-60 € 60-70 € 70-120 € per night

I intend to participate (02 July afternoon):

Excursion to Memorial complexes “Khatyn” & “Stalin’s Line” (at additional costs of ca. € 20,-, incl. dinner).

Excursion to “Mount of Glory” & Minsk (at additional costs of ca. € 20,-, incl. dinner).

Additional data for the letter of invitation needed to apply for a Belorussian Visa:

Organisation:

Position:

Home address:

Passport №:

Date of birth:

INSTRUCTIONS FOR AUTHORS OF ABSTRACTS

The text should be written in DIN A4 -format, not more than one page (about 250 words). Margins should be : left – 3.0 cm; right – 2.5 cm; top – 2.5 cm; bottom – 2.5 cm. Font: Title and author name(s): Times New Roman 12. Line spacing: 1.5. Name and address(es) of Organisation(s) - Times New Roman 10, space: 1.0.

See the example below



RESULTS OF JOINT RESEARCH FOR DEVELOPMENT AND TESTING OF WINTER RYE HYBRIDS.

E. Urban¹, S. Hardzei¹, V. Shymko²

¹Institute of Arable Farming and Plant Breeding, Timiryazeva st. 1, 222160 Zhodino, Belarus

²Institute of Genetics and Cytology, Akademicheskaya st. 27, 220072 Minsk, Belarus

Among the efficient breeding methods directed to develop high-yielding rye varieties with valuable agronomic traits the most promising one is hybrid breeding. Achievements in breeding of winter rye hybrids in several countries of Europe (Germany, Poland) based on CMS material thus allowing for the maximal use of heterosis effects for grain yield and other characters. Moreover hybrids possess a high genetic potential for adaptation, resistance to diseases, high grain quality and stable productivity, if developed under the environmental conditions of their target environments.