

## INTERNATIONAL ASSOCIATION ON MECHANIZATION OF FIELD EXPERIMENTS



### IAMFE News 1'2010

*March, 2010*

#### **New Year's Greetings from the President of IAMFE**

Dear Leaders, Members and Friends of the IAMFE Family,

The year of 2009 has passed, and the year 2010 is coming with many new challenges and tasks for all of us.

In the New Year, I would like extend my greetings to all of you and I wish you and your family good health and happiness.

The New Year is a time for a new beginning and new hopes for the future. We will work hard towards our goals, and I hope that we all will get more progress and success in the coming year.

In year 2009, many unforgettable things occurred, especially we lost Mrs.Målfrid Øyjord as the mother of the IAMFE family.

Our IAMFE work has made great progress thanks to your efforts. In the New Year, we will meet new challenges and I believe we will make more progress in our work for IAMFE. In the Chinese branch of IAMFE, the preparation of IAMFE CHINA '2012 is going smoothly. I hope you will be planning for participation in IAMFE CHINA '2012.

Happy New Year!

Kind regards and best wishes!

Prof. Shang Shuqi

President of IAMFE

#### **Greetings and Proposals from the Founder President**

By Prof. Dr.h.c. Egil Øyjord, Founder, Honorary President and Patron of IAMFE

Dear Leaders, Members, and Friends of the IAMFE Family,

Happy New Year and thank you very much for your cooperation in 2009.

Referring to IAMFE News 1'2009 I am very grateful for your honor of my dear Målfrid who died on April 20<sup>th</sup> 2009..

I am very grateful to Prof. Shang Shuqi, President of IAMFE and the Chinese Branch of IAMFE for the excellent start of the preparations for our 14<sup>th</sup> International IAMFE

Conference and Exhibition on Mechanization of Field Experiments , IAMFE/CHINA 2012, to be arranged in Qingdao, Shandong Province in China. I am sure that this will become the greatest IAMFE Conference and Exhibition in our history.

As Founder and Patron of IAMFE I feel it as my duty and privilege to assist in securing the future of IAMFE.

Referring to our history of International and Regional IAMFE Conferences and Exhibitions, our Second Regional IAMFE / CIAE- INDIA Conference was arranged in Bhopal in 1985. This is 25 years ago. The Indian population is growing very rapidly and the time has come for arranging an International IAMFE Conference in India.

I propose that our Indian Branch of IAMFE, founded in 1995, if possible, shall take the responsibility for the arrangement of our 15<sup>th</sup> International IAMFE Conference and Exhibition on Mechanization of Field Experiments in 2014. I propose 2014 because it will be 50 years since the IAMFE family of agronomists, plant breeders and agricultural engineers was founded. My experience since our first IAMFE conference in Norway in 1964 is that the concerned scientists in these groups, and the national manufacturers of research equipment, as well as the agricultural organizations and authorities, will welcome and support the proposed conference .

The history of mechanization of field experiments in Europe and USA has proven that efficient research machinery, equipment and instruments are very important for speeding up research in agronomy and plant breeding as a basis for increased food production. I propose that the President of our Indian branch of IAMFE shall become Vice President of IAMFE and secure that the proposed International IAMFE/INDIA 2014 Conference and Exhibition can become a reality.

In IAMFE News 1 '2009 I proposed that IAMFE should establish Regional Branches in Africa and in the Middle East for increased food production. Later I have proposed that IAMFE should establish Branches in other Regions. It would be excellent if IAMFE could get outstanding individuals as Presidents in these Regions to secure arrangements of Regional or International IAMFE Conferences . The IAMFE Presidents in the various Regions should become Vice Presidents of IAMFE and will become candidates as future Presidents of IAMFE. IAMFE consider our very large member countries as China, India and Russia as Regional members and we invite Africa, Europe, Middle East, North America, Latin America, South East Asia and Oceania (Australia and New Zealand) to join IAMFE as Regional members of the IAMFE family.

Proposals for Regional Presidents of IAMFE should be sent to Dr. Vladislav Minin, Executive Secretary of IAMFE.

Norway, March 2010.

Egil Øyjord

## A short history of IAMFE and Øyjord plot seeders

*By Prof. Egil gil Øyjord, Founder of IAMFE*

In 1958 I made a seven week study tour to five European countries. During this tour I conceived the idea that the European countries should cooperate in establishing a European Institute on Mechanization of Field Experiments.

Upon my return, I started my work for promoting this idea. It was my hope that FAO should take a leading role in this work. I was very disappointed when I realized that FAO would not take this responsibility.

No other organization in Europe was interested to support my idea so I turned my hope to W.K. Kellogg Foundation which granted funds for the establishment of new important institutions. W.K.Kellogg Foundation also granted fellowships to young scientists for graduate studies at universities in the USA.

In order to be in a good position for securing support from W. K. Kellogg Foundation, I applied for a Fellowship from this organization to study agricultural engineering at Michigan State University, East Lansing. During my stay in Michigan from 1960 to 1962, I presented my plan for establishing a "European Institute on Mechanization of Field Experiments," to W. K. Kellogg Foundation, but I did not obtain any promise for support.

Upon my return to Norway in 1962 I decided to test my ideas and started my work for organizing a "European Conference on Mechanization of Field Experiments". Even with a great interest in Norway and Europe, we received less than US \$ 2000 for organizing the planned 1964 conference.

With a preliminary program and a list of possible participants, I worked out an application to the NATO Division of Scientific Affairs in Paris for financial support of the Conference. I was extremely pleased when I received a grant of US \$ 15,500 for arranging a "NATO Advanced Study Institute on Mechanization of Field Experiments."

This Study Institute on Mechanization of Field Experiments was arranged from June 15-27, 1964, at the Norwegian Institute of Agricultural Engineering.

At this meeting I proposed to establish IAMFE.

On June 19. 1964, a majority of participants from 17 countries voted to establish "International Association on Mechanization of Field Experiments (IAMFE)"

The NATO Study Institute was later named: "First International Conference on Mechanization of Field Experiments." The short name is: "IAMFE/NORWAY'64".

Later on, 12 International and 6 Regional IAMFE Conferences and Exhibitions have been arranged. See [www.iamfe.org](http://www.iamfe.org)

It should be mentioned that IAMFE has not received any financial support from NATO since 1964.

I regret to report the sad fact that IAMFE, in spite of many good words, never received any financial support from the Agricultural Research Council of Norway, Ford Foundation,

W.K. Kellogg Foundation, Rockefeller Foundation, UNDP, The World Bank and The Consultative Group on International Agricultural Research (CGIAR).

The first time IAMFE received financial support in addition to the ordinary individual and national membership fees, was from the Research Council of Norway which granted N.Kr 60.000 ( approx. US \$ 10.000 ) per year for our IAMFE/CHINA Project 1995, 1996 and 1997. It came 31 years after IAMFE was started. This grant was very important and had a great impact in China.

IAMFE had to survive from the small incomes from individuals, groups and national members. In 1964-65 (2 first years) we had no income. In 1966-67 (2 years) our total income was not more than US \$ 1 530. In 1968-71 (4 years) our income was US \$ 19 713. Our income increased to US \$ 78 750 for the 4- year period 1988-91. For the 4 -year period 2000-2003, our membership income had dropped to US \$ 19 280. For the 4 year period 2004-2007 it was US \$ 15 060.

Non paid- voluntary work from the believers in IAMFE has been of essential importance for the survival of IAMFE. The establishment of IAU in the period 2000-2004 was a mistake and did not solve the financial problems of IAMFE. The Executive Committee decided to dissolve IAU during 2009. From 2010 all efforts and all support shall be concentrated through the work of IAMFE. I wish to thank Mr.Torbjörn Leuchovius, Dr.John Stevens and all the others who cooperated in creating and worked for the Global Institute & Agricultural University Internet Hub (IAU).

### **A short history of the Øyjord plot seeders/drills**

The development of the Øyjord plot seeders started in Norway in 1957.

The first Øyjord plot seeder for mounting on the Agria 1700 two-wheeled garden tractor came into ordinary use in the spring of 1958 at the Vollebekk research farm belonging to Department of farm crops, Agricultural University of Norway, which in 2005 changed its name to the Norwegian University of Life Sciences.

After two years of improvements and testing, the first series of twenty 10- rows Øyjord plot seeders and five 4-rows Øyjord plot seeders were delivered from Jens A. Schou Mek. Verksted, Drøbak, Norway, in the spring of 1961.

In 1962 I gave a colleague of mine, Dr. Martin Lein, Institut fur Landmaschinenforshung , Braunschweig, West-Germany , the right to make copies of my seeder for front mounting on the Agria 1700 garden tractor. A large number of these seeders were made in Germany.

In order to give the agronomists and plant breeders the freedom to choose the number of furrow openers and row distances they wanted, I invented the Øyjord interchangeable distributor heads in all sizes from 2 to 10 outlets and in addition 12, 14 and 16 outlets. I reported this invention in the Annual Report 1965 from the Norwegian Institute of Agricultural Engineering.

To complete the freedom to choose sizes of the seeders, I designed and delivered from Jens A. Schou Mek Verksted, Norway, self-propelled and tractor-mounted plot seeders

with any desired track width adjustable between 120 and 160 cm. I also delivered self-propelled and tractor-mounted plot seeders with any track width adjustable between 160 and 210 cm.

To give agronomists and plant breeders the possibility to change the Øyjord batch type plot seeders into ordinary bulk drills for continuous drilling, I invented the Øyjord large volume feeder and the Øyjord vertically fluted feeder. This change takes less than five minutes. These inventions are reported in the Annual Report 1965 from the Norwegian Institute of Agricultural Engineering.

The Øyjord plot seeders became a success and from 1961 to 1976 they were exported from Norway to 57 countries all over the world. Countries as far away from Norway as Australia, New Zealand, Tasmania and India were on the list of customers. See [www.iamfe.org](http://www.iamfe.org) and read quotations of letters from the users of Øyjord plot seeders under Info.

In 1967, the Soviet Union purchased 20 Øyjord self-propelled plot seeders from Jens A. Schou Mek. Verksted. In year 2000 it was reported that the Soviet Union had made 600 tractor mounted plot seeders with the Øyjord working principle.

In 1974 I transferred the production rights of the Øyjord self-propelled plot seeder to the Austrian company Walter & Wintersteiger, which later changed name to Wintersteiger. Hereafter, I prefer to use Wintersteiger in this article. My contract with Wintersteiger resulted also in the Plotman tool-carrier with Øyjord plot seeder. Wintersteiger makes the Øyjord cell wheel feeders with my name, but I regret very much that my name is not used on my most important invention, the Øyjord interchangeable distributor heads, which I invented and published in Norway in 1965.

I also gave Hans-Ulrich Hege, Waldenburg, Wurttemberg, Germany production rights. At IAMFE/ NETHERLANDS '80, Hege demonstrated a front mounted and a rear mounted Øyjord plot seeder on his tool-carrier. Because of the competition between Hege and Wintersteiger, the arrangement with the purchase of the Øyjord feeders and seed distributors from Wintersteiger did not function so Hege had then to make his own system in his plot seeders.

In 1976 I gave Wintersteiger the production rights to make the Øyjord tractor mounted plot seeders. The same year, based on an order from FAO, I shipped a total of 21 Øyjord tractor-mounted plot seeders from Jens A. Schou workshop in Norway to 21 countries in Africa and in the Middle East.

In 1979 I gave the Love Company, Garfield, Washington, USA, the rights to make Øyjord tractor mounted plot seeders for forest nurseries. This seeder was named Love/Øyjord seeder. It became very successful in forest nurseries. A 15 minute DVD plate with a presentation of this seeder is available. See also Øyjord in Google.

The main reason for transferring the production rights of the Øyjord plot seeders to other manufacturers, was that I felt that it was more important for me to save IAMFE than to continue as a manufacturer in Norway.

This decision and my contracts with Wintersteiger, Hege and Love Company gave these manufacturers a legal right to copy my inventions and developments without competition from the Øyjord Research Laboratory and the Schou workshop. The royalties I received from the manufacturers gave me a greater opportunity to invite students and scientists from developing countries to Norway, and it gave me more time for travels for further development of IAMFE.

### Øyjord plot seeders in China

In 1980 an Øyjord self-propelled plot seeder was purchased from Wintersteiger by Beijing Agricultural University. Later on several Øyjord plot seeders were purchased from Wintersteiger to China.

In 1993 approx. 90 units of Chinese models of the Øyjord self-propelled and the Øyjord tractor mounted plot seeders were made in the Hongxienglong Research Institute in Heilongjiang province, North-East in China.

Øyjord was not consulted and did not interfere in this production.

The Chinese made plot seeders were exhibited and demonstrated at the Ninth International IAMFE/CHINA '94 Conference and Exhibition, which was successfully arranged in 1994 at the Beijing Agricultural Engineering University. The Chinese Branch of IAMFE was founded. Later on, this University changed its name to China Agricultural University (CAU).

In three years, from January 1<sup>st</sup> 1995 to December 31<sup>st</sup> 1997 I was the administrator of an IAMFE/CHINA project named: "Co-operative Research and Design of Machinery for Field Experiment Plot Planter and Plot Harvester." As mentioned before this project was financed by a grant from The Research Council of Norway.

Upon an invitation from the Chinese Ministry of Agriculture in 1983, I made my first tour to China for lecturing at a one week seminar on mechanization of field experiments. Since then, I have been very interested in China which I have considered as the most important country in the world.

December 12, 1996, I sent a model of an Øyjord tractor mounted plot seeder as a private gift to China. It was addressed to the Xinxiang First Tractor Factory which should adapt and produce it for Chinese conditions. The seeder arrived at the factory in July 1997. It was tested in September 1997. I have a report stating that the design of the Øyjord Plot Drill is perfect and that upon a meeting, the seeder will become an authorized product of China. Because of unhappy circumstances at the factory, the project was not carried through as planned.

The seeder I sent from Norway to China in 1996 was very simple. It had a fixed track width of 150 cm c/c. This is the most common track width for plot seeders. This corresponds with a standardized cutting width of 150 cm for plot combines for variety trials in cereals. Within a distance of 120 cm between the outer coulters, you can choose the number of rows you may wish up to 12.

From 1996 to 1999 several Chinese students and Chinese professors were granted IAMFE fellowships for studies of the Øyjord plot seeders and other plot research

equipment in Norway. The last one was Professor Shang Shuqi who was elected IAMFE President at IAMFE/DENMARK 2008 and who, together with the Chinese Branch of IAMFE, will be responsible for arranging the 14<sup>th</sup> International IAMFE Conference, IAMFE/CHINA 2012 in Qingdao, in the Shandong province.

For the benefit of the Chinese agronomists and plant breeders I suggest that plot seeders from leading manufacturers not already represented in China should be purchased and independently tested considering capacity, simplicity, versatility, accuracy, quality and prices. Maintenance costs for various working principles of seeders for a period up to 40 years should be investigated and reported. This will create a basis for evaluation of the various working principles of plot seeders for the benefit of agricultural research and increased food production all over the world.

I sincerely hope that a report about the proposed evaluation of plot seeders can be presented at IAMFE /CHINA 2012.

Norway, March 8<sup>th</sup> 2010.

Egil Øyjord

Founder of IAMFE

## Regional IAMFE Conference of the Nordic Countries

**"From Field Experiments - to Sustainable Agroecosystems  
Development in Changing World:  
Methodology, Tools and Promotion".**

**22 - 24 September 2010, St. Petersburg, Russia**

### Co – Chairmen of the Organizing Committee:

*Professor **Egil Øyjord**, IAMFE Founder and Honourable President (Norway)*  
*Professor **Shang Shuqi**, IAMFE President (China)*  
*Professor **Vladimir Popov**, Chairman of the North-West Research Centre of  
the Russian Academy of Agricultural Sciences (Russia)*

**Chairmen of the Scientific Committee:** *Professor **Victor Semenov** (Russia)*  
*Mr. **Harri Huhta** (Finland)*

**Coordinators of the Conference:** *Dr. **Vladislav Minin** (Russia)*  
*Mr. **Torbjorn Leuchovius** (Sweden)*

### Objectives of the Conference

- to present and to discuss the latest and the most efficient developments in agricultural and field experimentation
- to stimulate the wide dissemination of the most advanced concepts, experiences and investigation results as well
- to promote modern agricultural machinery and equipment to manufacturers, farmers and researchers in Russia, CIS and Nordic countries

### Topics of Interests

1. Innovation methodology of field experimentation in agriculture and crop breeding and agroecology
2. Technical and tool maintenance of realization of field experiment
3. Methods, technical and software opportunities for reception, transfers, storages and processing of the "field" data
4. Methods and validity of use of the "experimental" information for agroecosystem designing and other practical purposes

**Conference has the interdisciplinary character.**

### KEY JOURNAL AUDIENCES

- Academics and researchers interested in future studies and various aspects of field experimentation
- Engineers and Entrepreneurs in equipment and machinery production for field experimentation
- Farmers and Agricultural Producers and Representatives of Agricultural Extension Services
- Strategic planners
- Representatives of governmental and municipal organizations

The Conference will include plenary and postal sessions and thematic seminars. Participants may present oral report or poster.

### Time and place

Time: 22 - 24, September 2010

Place: The North-West Research Institute on Agricultural Engineering and Electrification, St.-Petersburg - Pavlovsk, Russia

### Preliminary Program

- 21 September 2009 – Arrival, Evening  
Acquaintances
- 22 September Plenary and section sessions
- 23 September Section sessions, Plenary session and closing of the Conference
- 24 – 26 September Post conference tour through rural areas of Leningrad and Novgorod regions and visits to St. Petersburg Research and Educational Institutions

| Conference sessions |   |
|---------------------|---|
| Session 1.          | Methodology for field experimentation and design  |
| Session 2           | Field trial machinery and equipment   |
| Session 3.          | Data management, sampling and analysis methods  |
| Session 4.          | Field experiments for environmental purposes  |
| Session 5.          | Round table discussions: <ol style="list-style-type: none"> <li>1. How to ensure effective communication between authorities -- scientists – farmers</li> <li>2. Crop seeds - how to produce and to store them</li> </ol> |

The detailed programme for the exhibition and demonstration depends on participating companies and institutions.

Companies and others involved in the development and production of field trial equipment including the supply of components are invited to participate with machinery and equipment

### ADDITIONAL INFORMATION

Conference languages are Russian and English (translation provided). Papers, posters and oral presentations must be in English or Russian

Oral presentations should not exceed 15 minutes

Conference Proceedings will be published in book format after the revision of submitted papers

### REVIEW PROCESS

Papers will be reviewed by their abstracts (max. 200 words). Abstracts should contain paper title and the body of the paper, with author names, affiliations and contact information.

Final papers should be original, unpublished and not more than five single-spaced pages with minimum font size of 12 pt. Papers should be submitted in .doc or .rtf format, and should only contain the paper title and the body of the paper, with author names and affiliations. Final papers should be sent to the conference secretariat two months before the conference.

All conference papers will be published in the conference proceedings. A selection of these papers will be published as a special issue of the International Almanac “Field Investigator” following the journal’s usual review procedure. Some of the papers may also be published in Russian publication series. The official conference languages for all papers and presentations are English and Russian.

Papers will be presented as posters or 15 minute oral presentations. Delegates may wish which kind of presentation they prefer, but the organizing committee reserves the right to put together a final program for each session. Papers will only be accepted on the condition that at least one of the authors attend the conference.

## Time schedule and deadlines for preparation of manuscripts

June 1, 2010: Title and short abstract (1200 characters) submitted by the form below to the coordinator of the conference: Vladislav B. Minin.

June 15, 2010: Final program for each session, including a message to the delegate if paper is accepted and whether it should be given as an oral presentation or as a poster. All authors will receive 'Instruction for authors'.

July 1, 2010: Deadline for submission of final paper

## Registration

For registration use on-line system on our web site: [www.agroland.org](http://www.agroland.org). Fill on the registration form on the web site and pay registration form and book accommodation,

**Register before July 1<sup>st</sup> 2010 and save money.**

| Registration for participating in conference  | Registration Fee before the 1 <sup>st</sup> of July, Euro | Registration Fee after the 1 <sup>st</sup> of July, Euro |
|---|---|--|
| <b>IAMFE members</b>  |   |  |
| <b>Conference delegate, entire conference</b><br>Registration fee includes: admission to sessions and workshops, conference materials, lunches and refreshments on both days, evening event, post conference tour on September 24 <sup>th</sup><br><i>September 22<sup>nd</sup> – September 24<sup>th</sup></i> | 230   | 280  |
| <b>Conference delegate, only one day</b><br><i>Conference fee including lunch, conference proceeding</i>  | 95  | 120  |
| <b>Not IAMFE members</b>  |   |  |
| <b>Conference delegate, entire conference</b><br>Registration fee includes: admission to sessions and workshops, conference materials, lunches and refreshments on both days, evening event, post conference tour on September 24 <sup>th</sup><br><i>September 22<sup>nd</sup> – September 24<sup>th</sup></i> | 250   | 300  |
| <b>Conference delegate, only one day</b><br><i>Conference fee including lunch, conference proceeding</i>  | 95  | 120  |
| <b>Accompanying person</b>  |   |  |
| <b>Acc. conference delegate, entire period</b><br><i>Including all meals, excursion, conference banquet</i><br><i>post conference tour on September 24<sup>th</sup></i><br><i>September 22<sup>nd</sup> – September 24<sup>th</sup></i>   | 200   | 250  |
| <b>Participation in conference banquet</b>  | 30  | 30   |

## Accommodation

| Accommodation  | Single room<br>(Price per<br>night) | Double room |
|--|-------------------------------------|-------------|
| <b>Accommodation Hotel "Nataly" at Pushkin</b><br><i>2 km from Conference center. Bus transportation will be arranged – we recommend it!</i> | 62,5 euro                           | 70 euro     |
| <b>Accommodation Hotel "Pulkovskaya"</b><br><i>At St. Petersburg. Bus transportation will be arranged</i>                                    | 105 euro                            | 115 euro    |

### Cancellations and refund policy:

In case of cancellations before July 1<sup>st</sup>, the total conference fee minus a 20 EURO handling charge will be returned.

For cancellations between July 1<sup>st</sup> and September 1<sup>st</sup>, 50 % of the money that has been paid will be returned.

For cancellations after September 1<sup>st</sup> 2010, money paid for conferences or tours will not be refunded.

Registration on the web site: [www.agroland.org](http://www.agroland.org).

### CONTACT

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Phone and fax: +7-812-466 5922

E-mail: [minin.iamfe@mail.ru](mailto:minin.iamfe@mail.ru)

## Closure of The Global Insititute & Agricultural University Internet Hub (IAU)

According to the discussions at the 12<sup>th</sup> General Assembly of IAMFE in Denmark in July 2008, the Executive Committee (EC) of IAMFE have decided to close the Global Insititute & Agricultural University Internet Hub (IAU).

The background is that the activities within IAU have been too low in order to justify a continuation. The situation has not improved during 2009. Therefore the IAMFE EC took this decision during the autumn of 2009.

The International Association on Mechanization of Field Experiments (IAMFE) is one of the main organizations behind the foundation of IAU.

The other organization is the Seed & Mechanisation Development Trust (SEMEC), based in New Zealand. However, SEMEC has not been active to the extent that it can effectively support or justify the operation of IAU. SEMEC has therefore agreed to close IAU.

In the light of this, I must, as Chairman of IAU, conclude that IAU will be winded up and thus not continue its operation beyond the present accounting period which ends on 31 March 2010.

All IAMFE membership payments received by IAU have been transferred to the International IAMFE Centre at the Russian branch of IAMFE, AAFRDRT. AAFRDRT now operates a Euro currency account for the IAMFE membership fees. Please see separate information from The International IAMFE Centre below this information.

Payments of IAMFE membership fees for the period 2009-2012 can no longer be done to the IAU accounts stated on invoices or reminder invoices.

From March 15, membership payments must be made to the Russian IAMFE membership Euro account.

During spring 2010, the IAMFE membership facilities at IAU is planned to be added/linked to from the IAMFE home page [www.iamfe.org](http://www.iamfe.org). However, the credit card payment facility at IAU will not be available for payments after 15 March 2010. The reason is that it is connected with the present/old IAMFE membership account at Bank of New Zealand. When IAU is closed, this account is closed as well.

The organizations/companies/branches holding extended IAMFE membership (cat 3 or 4) will see their logotypes and links under the IAMFE homepage [www.iamfe.org](http://www.iamfe.org). This will be an improvement, because the IAMFE website has always been effectively found by common web search engines.

As Chairman of IAU, I wish to thank everyone who have taken an interest in IAU and welcome all IAMFE members to visit the web pages of IAMFE in the future!

*March, 2010*

*Torbjörn Leuchovius / Chairman of IAU*

## IAMFE membership payments from March 15, 2010 – Account details

IAMFE membership payments should be done the Euro currency by bank transfer to the following bank account belonging the International IAMFE Centre at AAFEI (Russian branch of IAFME):

Bank Swift code: SABRRU2PXXX  
Name of bank: SAVINGS BANK OF THE RUSSIAN FEDERATION (SEVERO-ZAPADNY OFFICE) ST.PETERBURG OFC BRANCH 2009 PUSHKINSKOE  
Account No. 40703978155120209595 (Euro account)  
Info: IPNPO "AAFEI" + "IAMFE member fee" + Invoice number

## Fact Sheet

|   |   |
|---|---|
| <b>Headquarters:</b>                      | WINTERSTEIGER AG<br>A-4910 Ried im Innkreis (Upper Austria), Dimmelstraße 9<br>Tel. +43 7752 919-0, Fax: 919-55<br>office@wintersteiger.at, www.wintersteiger.com   |
| <b>Products of Wintersteiger:</b>         | World market leader in each of its 3 business areas: <ul style="list-style-type: none"> <li>▪ <u>Total solutions for agricultural field experiments (Division SEEDMECH)</u></li> <li>▪ Total solutions for rental and service of skis and boards (Division SPORTS)</li> <li>▪ Total solutions for precise thin-cutting of wood (Division WOODTECH)</li> </ul>   |
| <b>Products of the SEEDMECH Division:</b> | <ul style="list-style-type: none"> <li>▪ <u>Plot combines:</u> mix free harvest, high performance – best cleaning, electronic weight and data recording</li> <li>▪ <u>Plot seeders:</u> highest performance, mix free planting, best accuracy, many options</li> <li>▪ <u>Laboratory equipment:</u> stationary threshers, sample dividers, seed counters, sample cleaners</li> </ul>  |
| <b>Size:</b>                              | 15,000 m <sup>2</sup> at the Headquarters + 5,500 m <sup>2</sup> additional storage space   |
| <b>Employees:</b>                         | 640 employees world wide<br>of which approx. 450 employees in Ried (Headquarters)   |
| <b>Subsidiaries:</b>                      | 15 WINTERSTEIGER subsidiaries: Germany (2), Italy (1), France (2), Switzerland (1), USA (3), Canada (2), Singapore (1), China (1), Russia (1) and Brazil (1)  |
| <b>Representations:</b>                   | 60 representations world wide   |
| <b>Export share:</b>                      | Appr. 85 % to more than 130 countries in the world  |
| <b>Miscellaneous:</b>                     | <ul style="list-style-type: none"> <li>▪ WINTERSTEIGER invests 5 % of its turnover in Research and Development and collaborates with numerous universities and research centers</li> <li>▪ WINTERSTEIGER operates one of Austria's most technologically advanced production facilities</li> <li>▪ WINTERSTEIGER relies on employees with excellent training, managers with international experience and is one of the region's largest trainers of apprentices</li> </ul> |

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**Contact:**