4TH INTERNATIONAL CROP SCIENCE CONGRESS (4ICSC)

New directions for a diverse planet

In conjunction with the
5th Asian Crop Science Congress
and the
12th Australian Agronomy Conference
sponsored by the
Australian Society of Agronomy

Sunday 26 September – Friday 1 October 2004

Brisbane Convention & Exhibition Centre,
Queensland, Australia

Announcement and Call for Poster Papers

www.cropscience2004.com

Key Dates

October 2003
Registration Brochure and 2nd Call for Poster Papers published

27 February 2004
Deadline for submitting poster papers

31 May 2004
Deadline for delegate earlybird registration

early July 2004
Notification of accepted poster papers

Diamond sponsors

ACIAR
GRDC—Grains Research & Development Corporation

Platinum sponsors

Pioneer
Queensland Government Department of Primary Industries
CSIRO

Gold Sponsors

USDA
IRRI—International Rice Research Institute
Invitation to participate

Dear colleagues
You are invited to attend the 4th International Crop Science Congress (4ICSC) in conjunction with the 5th Asian Crop Science Congress (5ACSC) and 12th Australian Agronomy Conference (12AAC) sponsored by the Australian Society of Agronomy from Sunday 26 September to Friday 1 October 2004, Brisbane, Australia.

The theme of 4ICSC is “New directions for a diverse planet”. New approaches are needed to feed a steadily increasing world population while sustaining the soil, water and biological resources that underpin global cropping.

Half way through the first decade of the new millennium, 4ICSC will review and harness the best science in all the disciplines that underpin sustainable development in the great cropping systems that feed the world.

The Congress will add to the knowledge of the international crop science community, research managers and funders, as well as leading-edge growers, industry, and policy-makers. All are invited to attend. Many high-level international speakers will participate. The Congress will offer Satellite Meetings to enhance the Congress experience and there will also be technical visits to the diverse cropping areas near Brisbane.

Don’t miss beautiful Brisbane city in the southern hemisphere spring of 2004. The Congress social activities will provide a refreshing break from scientific sessions and afford delegates many chances to catch up with colleagues from around the world. Why not take the opportunity to see more of Australia on a pre- or post-Congress tour?

We look forward to welcoming you to the Congress!

Dr Bob Clements
Congress President

Dr Ray Shorter
Congress Chief Executive Officer

4ICSC Program

The 4ICSC program will explore “New directions for a diverse planet”. Themes and invited oral presentation papers are as follows:

Crop science for a diverse planet
Plenary papers:
• Stocktake on cropping and crop science for a diverse planet
• WTO and trade liberalization: opportunities for world agriculture and cropping
• Crop science, rural poverty, and the family farm in a globalizing world

Crop science for addressing water scarcity
Plenary papers:
• Water scarcity – fact or fiction?
• Increasing the water productivity of scarce water – from genetics to field management

Symposia:
• Breeding crops that do better under water scarcity
• Irrigated rice-based systems
• Can physiological research contribute to increased productivity under water scarcity?
• Manipulating dryland cropping systems for effective use of scarce water
• New imperatives for irrigated agriculture
• Better management of water and nutrients in turfgrass systems
• Environmental consequences of water management in farming systems

Crop science for a sustainable future
Plenary papers:
• Long-term sustainability of major crop production systems
• Nitrogen over-use, under-use and efficiency

Symposia:
• Farming systems, cropping sequences, and monocultures
• Conservation and reduced tillage systems
• Turfgrass: the most visible crop
• Future of Asian cropping systems
• Biocide dependence and resistance
• Nutrient recycling and balance in cropping systems
• Managing climate risks in cropping systems
• Raising yield potential within cropping systems

Crop science for harnessing genetics
sponsored by Pioneer-Hi-Bred International (a DuPont Company)
Plenary papers:
• GMOs and society
• Challenges of integrating conventional breeding and biotechnology

Symposia:
• How can we improve crops by genome sequencing of model systems?
• Understanding and dealing with complexity in the gene to phenotype system
• Genetic resources of the 21st Century
• Harnessing molecular markers for plant breeding
• New frontiers in altering plant metabolism
• New frontiers in enhancing adaptation to abiotic challenges
• New frontiers in enhancing adaptation to biotic challenges – successes in Asia
• Biotechnology for a better world

Crop science for effecting change
Plenary papers:
• Scaling up: how to reach a billion resource-poor farmers in developing countries
• Crop scientists as change agents

Symposia:
• Proven processes for facilitating innovation and change
• Implementing purposeful change – lessons for the future
• The role of information technology in enhanced delivery and adoption
• New pathways for delivery in Asian countries
• Research planning, monitoring and evaluation to improve impact
• Agents for change: complementary roles of the private and public sector and NGOs
**5ACSC Program (indicated by ** in program)**

The 5th Asian Crop Science Association Congress (5ACSC) is being hosted by Australia and is being held jointly with the 4ICSC. The ACSA was formed in 1992 in order to focus attention on the need to develop efficient, stable and sustainable crop production systems in Asia. The ACSA has nine member countries and meets every three years to disseminate technological advances, share solutions to common crop production constraints, and forge scientific cooperation among scientists. Membership is open to all Asian crop-related societies interested in the objectives of the ACSA. The program for the 5ACSC is fully embedded within the 4ICSC as special Asian-focused symposia (indicated by **) in each of the themes. Scientists are invited to submit Asian-focused poster papers under the various Congress themes.

---

**12th Australian Agronomy Conference**

The 12th Australian Agronomy Conference, (12AAC) sponsored by the Australian Society of Agronomy, will be held in conjunction with the 4ICSC. The 12AAC caters for researchers interested in Australian agriculture and in relevant advances in agronomic research. In association with the 4ICSC, the 12AAC will provide Australian agronomists with access to leading international and Australian researchers addressing the challenges of world agriculture. It is planned that the Congress will contain sessions specifically sponsored by the Australian Society of Agronomy as well as providing for presentation of the Donald Medal Oration and the Society’s business meeting. For more information on the ASA contact Peter Carberry (peter.carberry@csiro.au).

---

**Satellite Meetings**

A number of Satellite Meetings and Workshops are being arranged immediately prior to the Congress. These will be advertised on the Congress web page as arrangements are implemented.

---

**Funding for Researchers from Developing Countries**

There may be some opportunity to provide limited financial support to a small number of young scientists from developing countries to attend the Congress and present posters on their work. Please advise if you want to be considered for such support by checking the appropriate box on the attached form. If you are considered further for financial assistance after submitting your poster paper, you will be contacted for further supporting information.

---

**Submission of Poster Papers**

Authors are invited to submit a poster paper by 27 February 2004 for consideration by the program committee.

*It is a condition of acceptance of poster papers that at least one author of each poster paper that is accepted by the Organising Committee will have to pay to register for the Congress by 30 July 2004.*

**Instructions for authors who have Internet access:**

Please note this is the preferred submission method. All authors must submit their poster paper via the Internet – the only exception is if the author does not have Internet access.

Go to the Author Gateway on the Congress website at [www.cropscience2004.com](http://www.cropscience2004.com) for instructions on submitting your poster paper.

**Instructions for authors without Internet access:**

If you do not have Internet access, please check the box on the form at the back of this brochure requesting the Congress Managers to send further information regarding poster paper submission via other methods.

---

**Congress Organising Committee**

**Congress President**
Bob Clements
The ATSE Crawford Fund, ACT

**Chief Executive Officer**
Ray Shorter
CSIRO Plant Industry, Qld

**Chair, Finance Committee**
Eoin Wallis
BSES, Qld

**Chair, Program Committee**
Russell Muchow
SRDC, Qld

**Chair, Publications Committee**
Tony Fischer
ACIAR, ACT

**Chair, Local Arrangements & Tours**
Don McNee
Agronomist, Qld

**Representative, International Continuing Committee, ICSC**
Neil Turner
CSIRO Plant Industry, WA

**Co-Presidents, Asian Crop Science Congress**
Ken Fischer
University of Queensland, Qld
John Angus
CSIRO Plant Industry, ACT

**President, The Australian Society of Agronomy**
Peter Carberry
CSIRO Sustainable Ecosystems, Qld

**Delegated Profile**

Congress participants will be public and private sector crop scientists, research managers, research funders, policy-makers, agribusiness professionals and leading farmers from around the world, thus fostering consideration of the total global effort in crop science. Emphasis will be placed on having participation by crop scientists from developing countries, the International Agricultural Research Centres and the private sector.

You should attend this congress if your organisation role or key interest lies in areas such as:

- Crop Science
- Agronomy
- Resource Science
- Agribusiness
- Environment
- Environmental Biotechnology
- Plant Biotechnology
- Policy-making
- Agrifood
- Turf Grass and Crop Science
- Plant Breeding
- Agricultural Development
Expression of Interest

For those with Internet access:
Please complete this form electronically via the website at www.cropscience2004.com

For those without Internet access:
Please complete and return the following form

☐ Please mail me a Congress registration brochure when it becomes available.
☐ Please note my interest in the following Congress theme/s:
  ☐ Crop science for addressing water scarcity
  ☐ Crop science for a sustainable future
  ☐ Crop science for harnessing genetics
  ☐ Crop science for effecting change
☐ Please mail me further information about submitting a poster paper.
☐ Please mail me further information about applying for funding to attend the Congress.**
  ** Please note limited funding will be available for accepted poster presenters from developing countries and conditions apply
☐ Please contact me regarding purchasing a sponsorship package for the Congress.
☐ Please mail me information about purchasing a trade exhibition booth at the Congress.

Title (eg Prof/Dr/Mr/Mrs/Ms)....................................................................................................
Family name/Surname .............................................................................................................
Given name/First name ...........................................................................................................
Organisation............................................................................................................................
Position....................................................................................................................................
Postal address ........................................................................................................................
Suburb/town ............................................................................................................................
State ........................................................................................................................................
Country ....................................................................................................................................
Postcode/zipcode ...................................................................................................................
Telephone (work) ..................................................................................................................
Facsimile ..................................................................................................................................
Mobile/cell phone ..................................................................................................................
Email ........................................................................................................................................

Return this form:
Mail: 4ICSC
C/- Intermedia Convention & Event Management
PO Box 1280
MILTON QLD 4064
AUSTRALIA
Fax: +61 7 3858 5510

Trade Exhibition
Extensive and interactive, the trade exhibition will be an integral part of this Congress. Exhibitors will display the very latest developments in equipment and techniques. To acknowledge the exhibition’s importance, the Congress program has been structured to ensure delegates have ample time for inspection. The Welcome Reception, and daily morning and afternoon refreshment breaks and lunches will be held in the exhibition.

Organisations interested in purchasing a booth in the exhibition should email the Congress Managers on 4icsc04@im.com.au.

Website
Log on to www.cropscience2004.com:
• To view the latest Congress updates and to subscribe free to CropSci eNews
• For submitting a poster paper online (until 27 February 2004)
• To register for the Congress online (from October 2003)

Congress Managers
4th International Crop Science Congress
C/- Intermedia Convention & Event Management
PO Box 1280
Milton QLD 4064
AUSTRALIA
Telephone: +61 7 3858 5554
Facsimile: +61 7 3858 5510
Email: 4icsc04@im.com.au
Website: www.cropscience2004.com