

# **CIM/2004/024 Better crop germplasm and management for improved production of wheat, barley and pulse and forage legumes in Iraq**

## **Some Australian Inputs**

- **research seed**
- **participation in planning-reporting meetings**
- **farming system knowledge/understanding**
- **seminars**
- **Australian training**

# Seed for testing of alternative dryland crops for Mediterranean environments

- **oats**
- **oilseeds**
- **legumes**

1 December 2005



# Oat Varieties

1. Brusher
2. Carrolop
3. Euro
4. Kangaroo
5. Mitika
6. Possum
7. Wintaroo

**Uses: grain, feed, forage**

**Supplied: SARDI 2005**

# Field Pea and Chickpea Varieties

1. Dunwa
2. Helena
3. Kaspā
4. ICARDA Check

## Chickpea

Almaz (Kabuli type)

**Uses: grain, feed**

**Supplied: CLIMA 2005 and 2006**

# Oilseed Species

<b>Botanical name</b>	<b>Variety/Line</b>	<b>Common name</b>
Brassica juncea	Sel 21, 4355, 82NO00-67, 82NO00-98	Indian mustard
Brassica carinata	94024.2, 195923.5.2	Ethiopian mustard
Brassica napus	Tramby DB62-OOW2, DB76-OOW6, DB163-OOW2	Canola
Brassica rapa	91182, Pusa Kalyana	Turnip rape
Camelina sativa	4164, 4183	False flax
Camelina alyssinica	337110, 94053	Crambe, Camelina
Sinapis alba	Tliney, 94488	White/English Mustard
Linum usitatissimum	Glenelg, 110637	Linseed, Linola

**Uses:** oilseed, feed, mustard, soil conditioner

**Supplied:** UWA 2005

# ICARDA proposal development meeting

- **21-24 November 2004**
- **Participants:**
  - **MOA Iraq**
  - **ICARDA**
  - **Australia**
    - **Australian consultant in Iraq (Dr P. Novelly)**
    - **DAFWA (Mr Keith Alcock)**
    - **CLIMA-UWA (Dr C. Francis)**
    - **University of Adelaide (Professor D. Coventry)**

# **Australian seminar series**

**At each planning-reporting meeting, Australian collaborators gave seminars on various aspects of advanced crop research and development in Australia, to expose, illustrate and discuss diversity in approaches to agronomy and crop yield improvement**

**Especially focused for Iraqi scientists who have had limited opportunities to interact internationally over the last decade**

**The seminars were each attended by some 50 Iraqi, ICARDA and Australian scientists**

**Project planning meeting  
4-8 September 2005  
ICARDA, Aleppo, Syria**

**Seminars**

- **“A decade of research on cool season grain legumes in dryland environments of Australia: Lessons learned” Professor Kadambot Siddique, Director, CLIMA, University of Western Australia**
- **“Cereal improvement in Australia” Dr Reg Lance, Barley Breeder, Department of Agriculture and Food Western Australia**
- **“New horizons for farming systems suited to Southern Australia” Professor David Coventry, University of Adelaide**
- **“The benefits and challenges of crop-pasture-livestock integration in Australian agriculture” Professor Kadambot Siddique, Director, CLIMA**

**Project reporting and planning meeting  
1-5 October 2006  
ICARDA, Aleppo, Syria**

**Seminars**

- **“Dryland cropping in Iraq - the way forward” Dr Wal Anderson, Principal Research Agronomist, DAFWA, WA**
- **“Chickpea collections: GxE responses and characterization of habitats” Dr. Jens Berger, Ecophysiologicalist, CSIRO Plant Industry and CLIMA, WA**
- **“Farming System Changes in Southern Australia” Professor David Coventry, University of Adelaide, South Australia**
- **“Agronomy as applied ecology-or why we shouldn’t lose sight of the big picture when marking the white pegs. A chickpea example” Dr. Jens Berger, CSIRO and CLIMA.**

**Project reporting and planning meeting  
2-6 September 2007  
ICARDA, Aleppo, Syria**

**Seminars**

- **“Wheat Breeding for Salt Tolerance” Mr Keith Alcock, Director Crop Research, Dept. of Agriculture and Food Western Australia (DAFWA)**
- **“Recent advances in wheat improvement in the DAFWA Breeding Program” Mr Robin Wilson, Principal Wheat Breeder, DAFWA**
- **“Some thoughts on starting new cropping industries based on experience with field pea in Western Australia” Mr Mark Seymour, Senior legume agronomist, DAFWA and University of Western Australia/CLIMA**

# Australian training

## Trainees – May/June 2008

- **Dr Saleh Bader, DG Research, MOA Baghdad**
  - R&D management (AusAID, ACIAR, GRDC, CSIRO, University of Adelaide, SARDI, PIRSA, UWA, DAFWA, Murdoch University, Muresk-Curtin UNI, WANTFA)
- **Dr Abdul Sattar Al Rajbu, Associate agronomy lecturer, University of Mosul**
  - conservation cropping (University of Adelaide and SARDI)
- **Dr Sa'ad Mohamed, Socio-economist, MOA Baghdad**
  - conservation agriculture and socio-economics (UWA and DAFWA)
- **Dr Raad Hameed, Cereal breeder, MOA Ninevah**
  - conservation agriculture and plant breeding (DAFWA and UWA)