

CAIGE Project Newsletter

CIMMYT- Australia - ICARDA Germplasm Evaluation

December 2013



Ho Ho Ho

Dear CAIGE colleagues,
Welcome to the December issue of the CAIGE newsletter, the last one for this year, which is being penned for you from the beautiful Maroochydore beach on the Sunshine Coast in Queensland. *(the photo shows my office for the week)*

Looking back on the past 12 months, it is fair to say that it has been a busy year for us, as I am sure most of you have been too.

The coming 12 months are going to be even busier, with two breeder trips to CIMMYT and ICARDA planned for early 2014, and with the inclusion of barley germplasm to the CAIGE inventory.

The new CAIGE website will also be unveiled in the new year, but there is still lots to do!!

However, it is now time to take a break and we will be taking some time off during the next few weeks. We hope you all take a much deserved break too. In the mean time

we thank you for your cooperation and interest in the CAIGE project, and hope to see you in 2014!!!

Ciao for now!

Sandra Micallef

*Coordinator and Data Administrator
CAIGE Project*



Inside this issue:

<u>CAIGE Yield Trials</u>	2
<u>Septoria Tritici Blotch Data</u>	3
<u>Breeders visit to CIMMYT-March 2014</u>	3

Upcoming events:-

- CAIGE Annual Meeting '14 - 17th March 2014
- CIMMYT trip - 23-31 March '14
- ICARDA trip - 13-21 April '14

Reminders

2014 CAIGE ANNUAL MEETING

The Annual CAIGE meeting will be held on the **17th March 2014** in the afternoon, in the Lecture Theatre of the **CSIRO Plant Industry facilities in Canberra** (Black Mountain).

It is advised to make travel and accommodation arrangements early, as options could be few and expensive if left to the

last minute.

Check out more details on the CAIGE website

<http://caigeproject.org.au>

CAIGE Yield Trials data available on the web

The data from the CAIGE Yield trials of this year has been received and uploaded to the website. Thank you to the breeding companies for returning the data so promptly.

As seen on the CAIGE tour in October, the results confirm that the ICARDA lines are definitely doing a lot better in the Australian environment, with shorter heights and higher yields.

Here are the top five performers for each site.

To view all the results or download the spreadsheets, go to the CAIGE website >> Wheat >> [GET](#)



CAIGE Yield trials

Origin	DESIG	PEDIGREE	Avg yield t/ha	Yield Rank	Yield as % of Suntop
NARRABRI					
Australia	Suntop	SUNCO/2*PASTOR//SUN436E	3.60	1	100.0%
ICARDA	52:ZIZ12	ICW91.0145-4AP-0TS-2AP-0L-0AP/4/NAI60/HN7//SX/3/JUN'S'	3.57	2	99.1%
ICARDA	116:ZIZ12	INQALAB 91/CMSW94WM00188S-0300M-0100Y-0100M-13Y-4M-0Y-0AP	3.46	3	96.0%
CIMMYT	218:ZWB12	SAUAL/3/ACHTAR*3//KANZ/KS85-8-4/4/SAUAL	3.42	4	94.9%
ICARDA	1:ZIZ12	QAFZAH-11/ICW93.0045-1AP-0L-1AP-0L-2AP-0AP	3.39	5	94.2%
JUNEE					
ICARDA	1:ZIZ12	QAFZAH-11/ICW93.0045-1AP-0L-1AP-0L-2AP-0AP	4.84	1	123.8%
ICARDA	112:ZIZ12	SAMAR-8/KAUZ'S//CHAM-4/SHUHA'S'	4.54	2	116.3%
ICARDA	56:ZIZ12	PAVON 76/HAMAM-4/4/YACO/PBW65/3/KAUZ*2/TRAP//KAUZ	4.52	3	115.5%
CIMMYT	134:ZWB12	BECARD/QUAIU #1	4.44	4	113.7%
ICARDA	53:ZIZ12	ICW91.0145-4AP-0TS-2AP-0L-0AP/QAFZAH-33	4.41	5	112.8%
EDGEROI					
Australia	Mace	WYALKATCHEM/STYLET//WYALKATCHEM	2.19	1	121.6%
ICARDA	102:ZIZ12	NWT/3/T.AEST/SPRW//ITAW12399.75/4/ROOMY	2.19	2	121.2%
ICARDA	122:ZIZ12	SHUHA'S//TAMEGA//BOW#1/FENGGANG15	2.07	3	115.0%
Australia	Magenta	CARNAMAH/TAMMIN-18	2.07	4	115.0%
ICARDA	68:ZIZ12	MON'S//ALD'S//ALDAN'S//IAS58/3//SAFI-1/4/ZEMAMRA-1	2.06	5	114.5%
BALAKLAVA					
Australia	Emu Rock		4.40	1	135.6%
CIMMYT	111:ZWW12	KA/NAC//TRCH/4/MILAN/KAUZ//DHARWAR DRY/3/BAV92	4.21	2	130.0%
CIMMYT	106:ZWB12	TACUPETO F2001*2/KIRITATI//VILLA JUAREZ F2009	4.18	3	128.9%
CIMMYT	231:ZWB12	PBW343	4.11	4	126.9%
CIMMYT	222:ZWB12	BECARD/KACHU	4.02	5	124.1%
ROSEWORTHY					
Australia	Emu Rock		5.12	1	131.8%
Australia	Mace	WYALKATCHEM/STYLET//WYALKATCHEM	4.67	2	120.1%
ICARDA	45:ZIZ12	HUBARA-8//MON'S//ALD'S//BOW'S'	4.52	3	116.2%
CIMMYT	9:ZWB12	KACHU//WBLL1*2//BRAMBLING	4.46	4	114.9%
CIMMYT	174:ZWB12	KACHU/BECARD//WBLL1*2//BRAMBLING	4.41	5	113.4%
TOODYAY					
ICARDA	83:ZIZ12	ESWYT99#18/ARRIHANE	4.57	1	132.3%
CIMMYT	208:ZWB12	ROLF07/4/BOW/NKT//CBRD/3//CBRD/5//FRET2/T UKURU//FRET2	4.46	2	129.0%
ICARDA	62:ZIZ12	WON-D 22/CM103448-39M-030M-020Y-010M-4Y-010Y-0M-0AP	4.29	3	123.9%
ICARDA	69:ZIZ12	SHUHA-8/DUCULA	4.25	4	122.9%
CIMMYT	30:ZWW12	MILAN/KAUZ//DHARWAR DRY/3/BAV92/4/PAURAQ	4.16	5	120.4%
MUKINBUDIN					
CIMMYT	172:ZWB12	FRET2*2//BRAMBLING//BECARD/3//WBLL1*2//BRAMBLING	2.20	1	126.0%
CIMMYT	30:ZWW12	MILAN/KAUZ//DHARWAR DRY/3/BAV92/4/PAURAQ	2.14	2	122.8%
CIMMYT	173:ZWB12	KAUZ*2/MNV//KAUZ/3/MILAN/4/BAV92/5//AKURI/6/MILAN/S87230//BAV92	2.11	3	120.8%
CIMMYT	67:ZWB12	FRNCLN*2//TECUE #1	2.09	4	120.0%
CIMMYT	180:ZWB12	PFAU/SERI.1B//AMAD/3//WAXWING*2/4//TECUE #1	2.05	5	117.6%

Septoria Tritici Blotch for 2011 shipment

Data for Septoria Tritici Blotch on the 2010 shipment material (ZWW11 - 20SAWYT, ZWB11 - 33ESWYT, ZIZ11 - ICARDA), can be found on the [Disease screening page](#).

This information was produced by the NSW Department of Primary Industries. Thank you to Dr Andrew Milgate for supplying the data.

(Main Menu >> Projects >> Disease Screening)

More disease screening data will be posted on the website as soon as we receive it from our collaborators.

If you have any data to be returned please send it to us as soon as possible.



Breeders' visit to CIMMYT—March 2014

The details of the breeders trip to CIMMYT in March next year, have been finalised. The group will leave Sydney on Sunday 23rd March and depart Obregon on the 29th March.

The group of breeders and researchers travelling on this trip will consist of the following:-

- * Dr Richard Trethowan (CAIGE leader)
- * Sandra Micallef (CAIGE coordinator)
- * Dr Meiqin Lu (AGT)
- * Dr Bertus Jacobs (LPB)
- * Dr Daniel Mullan (Intergrain)
- * Dr Ian Edwards (Edstar Genetics)
- * Dr Allan Rattey (Advanced Wheats)
- * Dr Anke Martin (USQ)

During our visit we will be learning more about the CIMMYT breeding program and interact with the CIMMYT breeders.

Our visit will coincide with the celebration of Dr Norman Borlaug's 100th birthday and the BGRI (rust) workshop, which will see a large group of international breeders and scientists visit CIMMYT during this week.

We will also hold the next Steering Committee Meeting while we are in CIMMYT. More details of the meeting are still being drawn up.

We thank all the involved parties for helping to organize this trip and hope all goes well!

CIMMYT— Australia— ICARDA Germplasm Evaluation Project

Project Leader (Wheat, Pulses)
Dr Richard Trethowan

Project Leader (Barley)
Dr Mark Dieters

Project Coordinator
Sandra Micallef

E: sandra.micallef@sydney.edu.au
P: +61-7-3865-1783
M: +61 (0)416 331 101
Skype: sandra_3775

caigeproject.org.au

CHRISTMAS GREETINGS

We take the opportunity to wish all the CAIGE community and their families, a safe holiday season, and best wishes for the Christmas festivities. May you take this time to appreciate the love of your family and friends and may the new year bring more blessings for you all.

(And if you do not celebrate Christmas, please do not be offended by this message. It certainly is not our intention.)

The CAIGE management team will be taking some time off and will be back in full swing on the 20th January.

