

September 2017

## Online Manual for Protocols for Race Analysis of Wheat Stem Rust



*Puccinia graminis* under field conditions at Ambo, Ethiopia, 2014. Photo by Christopher Knight

### **A new publication outlining a protocol for wheat stem rust identification is now available online.**

The manual describes protocols for stem rust race analysis, race identification, collection, processing, and inoculation. It was prepared by Dr. Getaneh Woldeab, Endale Hailu, and Dr. Netsanet Bacha of the Ambo Plant Protection Research Center, with the support of the Ethiopian Institute of Agricultural Research (EIAR) and the DGGW.

[Download the manual from the BGRI website.](#)

### **IN THIS ISSUE**

**Assessing the stem rust situation in Western Siberia**

**Wheat in the News**

**Registration open for the 2018 BGRI Technical Conference**

**Awards and Opportunities at the 2018 BGRI Technical Workshop**

**Women in Triticum Spotlight: Ida Wilson**

**Upcoming Events**

**Research Updates**

**Assessing the stem rust situation in Western Siberia**



Iadimir Shaminin (Omsk Agrarian State University) inspecting wheat plots at Omsk Agrarian State University with Alexey Morgunov (CIMMYT) and Mogens Hovmøller (GRRC, Aarhus University). Photo from the GRRC.

In August 2017, scientists on a field trip to Omsk, Novosibirsk and the Altai Krai regions of Western Siberia, Russian Federation sought to get more information on the recent reports of large scale stem rust outbreaks covering millions of hectares in the region (Shamanin et al. 2016). The trip was organized by Alexey Morgunov and supported by colleagues at the Global Rust Reference Center and Aarhus University.

The team's preliminary findings suggest that stem rust could flourish under suitable weather conditions, which may have serious implications for neighboring regions and beyond. The visit highlighted the importance of wheat and the urgent need for new research to resolve stem rust epidemiology in the region and additional efforts in breeding for rust resistance.

[Read more about the team's findings on the Global Rust Reference Center blog.](#)

## Wheat in the News

### [Likely scenarios for global spread of devastating crop disease](#)

New research reveals the most likely months and routes for the spread of new strains of airborne 'wheat stem rust' that could endanger global food security by ravaging wheat production across Africa, the Middle East, Asia and the wider world.

### [Winners of the CGIAR Inspire Challenge](#)

Dave Hodson was named one of the winners of the CGIAR US\$100k Inspire Challenge grant for his work developing a real-time, mobile diagnostics platform for wheat yellow rust in Ethiopia in partnership with CIMMYT, the John Innes Center, and EIAR.

## Registration open for the 2018 BGRI Technical Workshop



The workshop will focus on wheat scientists' efforts to secure the world's wheat crop and manage disease vulnerability. It is an opportunity for the wheat community to exchange research results, network for collaboration, and learn more about challenges facing wheat scientists and farmers.

***This year, more than 250 abstracts were submitted for inclusion in the 2018 BGRI Technical Workshop. Abstracts will be reviewed and the authors will be notified of acceptance by December.***

**[Click here to register for the 2018 BGRI Technical Workshop](#)**

## **Nominations open for awards at the 2018 BGRI Workshop**

Several awards are presented at the BGRI Technical Workshop to recognize the achievements of individuals and teams working in wheat research. **Nominations are open** for the following awards:

### **2018 Jeanie Borlaug Laube Women in Triticum Early Career Award**

*Deadline 30 October 2017*

Nominate an early-career woman working in wheat (scientists ranging from advanced undergraduates to recent PhD graduates and post-doctoral fellows) for the WIT Early Career Award. Recipients will be supported to participate in the 2018 BGRI Technical Workshop and other professional development opportunities.

<http://www.globalrust.org/awards/award-wit>

### **2018 Jeanie Borlaug Laube Women in Triticum Mentor Award**

*Deadline 30 October 2017*

Nominate an outstanding mentor (male or female) of women working in triticum for the WIT Mentor award. The recipient will be recognized at the 2018 BGRI Technical Workshop.

<http://www.globalrust.org/awards/award-wit-mentor>

### **2018 BGRI Gene Stewardship Award**

*Deadline 30 October 2017*

Nominate a researcher or team of researchers serving a national breeding program or other nationally based institution working on wheat.

<http://www.globalrust.org/awards/award-gene-stewardship>

## **Women in Triticum Spotlight: Ida Wilson**

"Global collaboration is critical to resolving challenges in food security facing the world and to forming the foundation with which agricultural production should be approached," says Ida Wilson, 2011 WIT Early Career Award winner.

Currently, Wilson is employed as a specialist agricultural researcher in crop protection at a commercial agricultural R&D company, ExperiCo, in South Africa. She is involved in research to test and develop products for the control of fungal diseases of wheat.

"Agriculture presents some of the greatest challenges to the growing population, in terms of food security, but also in the production of animal feed and fiber," Wilson said. "However, along with these challenges also arises the greatest opportunities. Embrace the chances to make a difference through agricultural science."

[Read more about Ida Wilson on the BGRI blog.](#)



Ida Wilson,  
2011 WIT Early Career Awardee

## Upcoming Events

### 2017 Borlaug Dialogue

18-20 October 2017 (*Des Moines, Iowa*)

[World Food Prize Site](#)

### 4<sup>a</sup> Conferencia Latinoamericana de Cereales (LACC4) - 4th ICC Latin American Cereals Conference

11-17 March 2018 (*Mexico City, Mexico*)

<http://www.cimmyt.org/event/4a-conferencia-latinoamericana-de-cereales-lacc4-4th-icc-latin-american-cereals-conference/>

### CIMMYT Visitor's Week (*Ciudad Obregon, Mexico*)

19-23 March 2018

<https://www.icc.or.at/node/2870>

### BGRI Technical Workshop

14-17 April 2018 (*Marrakesh, Morocco*)

<http://www.globalrust.org/tech-workshop/bgri-2018>

## Research Updates

**Genetic analysis of resistance to stripe rust in some Iranian bread wheat cultivars and elite lines**

[\[ LINK \]](#)

**Vulnerability of Barley to African Pathotypes of *Puccinia graminis* f.sp.*tritici* and Sources of Resistance**

[\[ LINK \]](#)

**Quantifying airborne dispersal routes of pathogens over continents to safeguard global wheat supply**

[\[ LINK \]](#)

## Contribute to the BGRI Newsletter and Social Media

If you have any news of interest to the BGRI community, please send us a message and we will try to include it in subsequent BGRI newsletters! We also publish and share stories on our [Twitter](#) and [Facebook](#) accounts. Use [@globalrust](#) to tag any contributions.

Events, career and educational opportunities, photos, and new publications are especially welcome.

Contact BGRI newsletter editor [Samantha Hautea](#) or [the BGRI](#).

[VISIT OUR WEBSITE](#)

Borlaug Global Rust Initiative  
| [bgri@cornell.edu](mailto:bgri@cornell.edu) |



**SIGN UP FOR  
OUR EMAILS**



**SHARE THIS  
EMAIL**

