



BGRI Borlaug Global Rust Initiative



Pathologist Ruth Wanyera was one of the trainers in the recent KALRO course on "Standardization of stem rust note taking and evaluation of germplasm with emphasis on emerging threats of yellow rust and leaf rust." Credit: C. Arthur/Cornell

October 2016

From the BGRI Blog

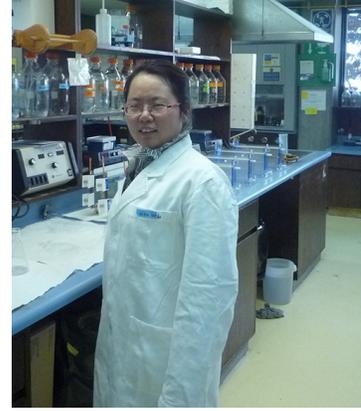
Saha Bir Rai doesn't see stem rust in his fields in Bhutan. "We have wheat varieties but we don't understand levels or types of rust," said the senior plant protection officer in the Division of Pest Surveillance at Bhutan's National Plant Protection Center. In early October, the Kenya Agriculture and Livestock Research Organization (KALRO) changed all that for young wheat scientists like Bir Rai who have not experienced stem rust in the field. Bir Rai and the other 22 participants now have the knowledge to conduct a rust survey and score national varieties against a common set of parameters. They have learned that disease assessment classifies plants into groups/lines: lines exhibiting early susceptibility that are "rust suckers," lines with resistance protected by major genes, and lines that are "slow rusting" or protected by minor genes.

[Read More on the BGRI Website...](#)

Women in Triticum Focus: Caixia Lan, 2011

What effect did the WIT Early Career Award have on your professional development?

The greatest experience to come of winning the WIT Award was the two-week training session in Kenya. Originally, I was supposed to join a three-week training in CIMMYT, Mexico in March 2011, but the WIT Award offered me a two-week training in Kenya instead, because I started to work in CIMMYT in February 2011. I participated in several lectures and field evaluations of stem rust (Ug99). I saw susceptible wheat lines without any seeds in the spikes, which I would have never believed if I hadn't see it myself. I've begun to explain the importance of stem rust in countries where stem rust has not yet spread



[Read More from Caixia Lan](#)

Upcoming Events

Durable Wheat Resistance Meeting

Bloomington, MN, November 2-3

<https://www.ag.ndsu.edu/agcomm/2016DurableWheatResistanceMeeting>

1st International Agrobiodiversity Congress

New Delhi, November 6-9

<http://www.gfar.net/events/1st-international-agrobiodiversity-congress-2016>

Rust Workshop held in conjunction with the 29th Fungal Genetics Conference
Asilomar, California, March 14, 2017

For more information, contact [Sebastien Duplessis](#)

Research Updates

Identification and mapping of resistance to stem rust in the European winter wheat cultivars Spark and Rialto

Molecular Breeding

[Link](#)

Inheritance of resistance to Ug99 stem rust pathogen in selected barley lines

South African Journal of Plant and Soil

[Link](#)

Mapping-by-sequencing in complex polyploid genomes using genic sequence capture: a case study to map yellow rust resistance in hexaploid wheat

Plant Journal

[Link](#)

Many of the abstracts from presentations and posters from the BGRI Technical Workshops are available on the BGRI website. Slides and videos are also available for select presentations.



BGRI Abstracts

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