## **Surveillance Overview 2013**

Dave Hodson
CIMMYT-Ethiopia



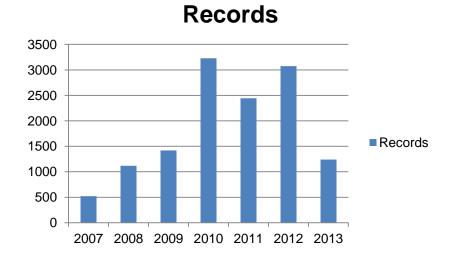
# 2013 Surveys

#### 2013

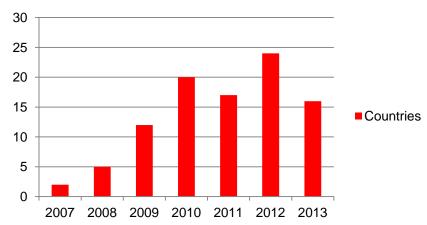
- 1240 published records in Toolbox / RustTracker
- 16 countries (to date more coming)
- 2 new countries Malawi + Tanzania

#### **Overall**

- 13,043 published survey records
- 35 countries









Geographical Coverage - 2013



## Stem Rust: 200 records



## Leaf Rust: 504 Records



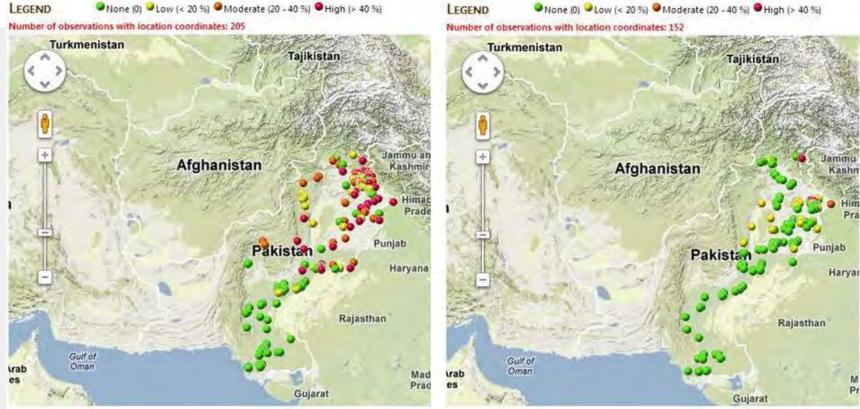
# YellowRust: 481 records





### Pakistan: Yellow Rust 2013 vs 2012

2013 2012



Pakistan: Yellow Rust Severity 2013 and 2012

(Red Dots = High (>40%) severity, Green Dots = No disease)



# Caution Issued – May 17th



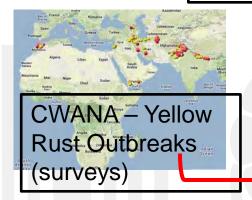
Informing early warning in Ethiopia

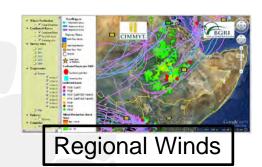


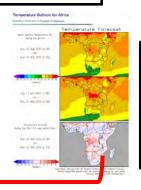
### Early warning – Ethiopia 2013



#### Global Rust Monitoring System Assessment







Climatic Conditions – favourable for yellow rust?

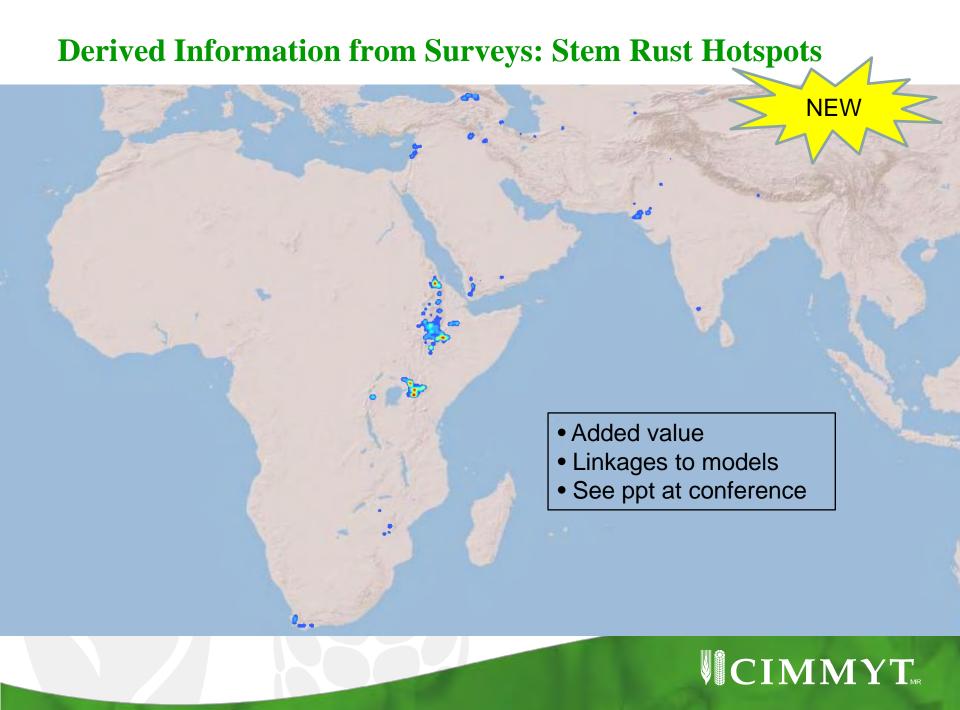


Rust Caution – May 17th

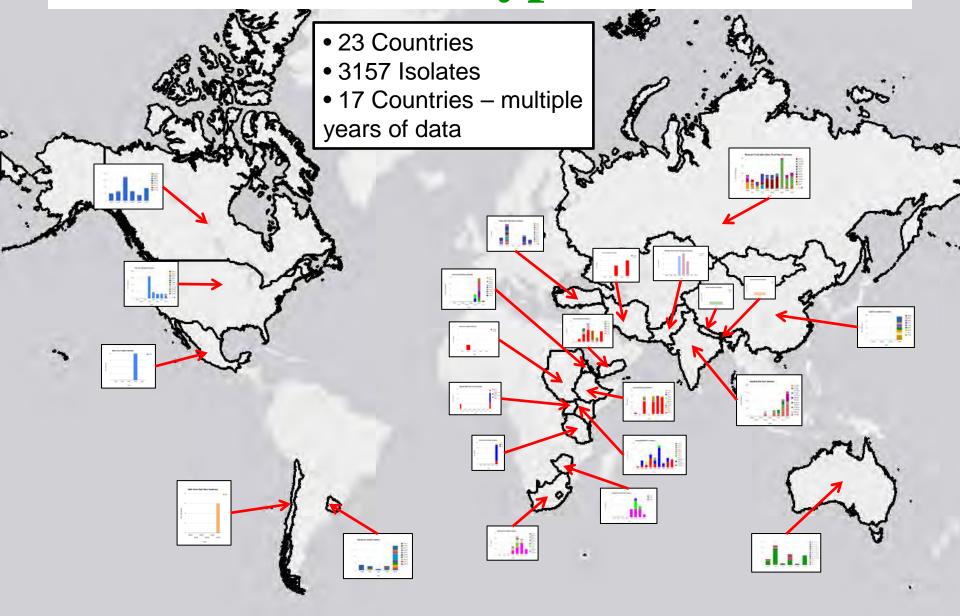
#### **Action Steps:**

- Informal rust planning meeting: 12th June 2013 (CIMMYT, EIAR, FAO)
- Comprehensive Belg season surveys (EIAR/CIMMYT)
- Formal rust planning meeting, 6th August 2013 (CIMMYT, EIAR, MoA Extension Directorate, ATA, FAO, Animal & Plant Health Directorate)
- MoA, Extension Directorate + EIAR: Early, main season surveys on-going now





# **Stem Rust Pathotypes - Overview**



## **Issues / Comments**

### Surveys:

- Excellent coverage + a unique data resource
- Now seeing value addition
- Can we keep it going / expand?
- ► Timeliness of reporting more surveys undertaken in 2013 than reported (Please report asap)

### Pathotypes:

- ► Good coverage. No new Ug99 races. TTKSF in Uganda
- Time lags in reporting (some inevitable)
- ▶ 2013: only 2 countries to date. 2012: 9 countries 5 of which from DNA molecular diagnostics
- Improve information flows
- Expand use of existing resources DNA, GRRC

