

Peer Review Plan

Title of Review: Vulnerability of U.S. Wheat Germplasm to Stem Rust Ug99 **Influential Scientific Information**

Agency: USDA, Agricultural Research Service **Highly Influential Scientific Assessment**

Agency Contact: Kay Simmons, Ph.D., (301) 504-5560
5601 Sunnyside Avenue, Beltsville, MD, 20705-5139

Subject of Review: Determine the reaction of U.S. wheat cultivars and germplasm to newly detected races of *Puccinia graminis f. sp. tritici* (the causal fungus of stem rust) in Eastern Africa. Focus will be on eliminating world-wide vulnerability to the new stem rust race Ug99.

Purpose of Review: We anticipate that the external peer reviewers will possess an in-depth knowledge of research conducted. Reviewers will be expected to focus on areas such as:

1. The evidence provided and whether the conclusions and inferences are correctly supported by the evidence.
2. Evaluate the methodology. Is the approach and process appropriate for the analysis?
3. Are there data or other evidence complete? Have any important data or considerations about the disease or pathway been omitted?
4. Are all important assumptions identified and uncertainties clearly stated?
5. Identify any relevant data or evidence not contained in the report.
6. Evaluate the quality and completeness of the individual components of the analysis.
7. Comment on whether/where the document is difficult to read or understand.

Type of Review: Panel Review Individual Reviewers

Alternative Process (Briefly Explain):

Timing of Review (Est.): Start: 07/2008 End: 09/2008 Completed: 09/2008

Number of Reviewers: 3 or fewer 4 to 10 More than 10

Primary Disciplines/Types of Expertise Needed for Review: Plant genetic resources, genomics and genetic improvement, cereal stem rust pathology

Reviewers selected by: Agency Designated Outside Organization

Organization's Name: _____

Opportunities for Public Comment? Yes No

If yes, briefly state how and when these opportunities will be provided:

How: _____

When: _____

Peer Reviewers Provided with Public Comments? Yes No

Public Nominations Requested for Review Panel? Yes No

Other: _____

