



**U.S. Wheat & Barley  
Scab Initiative**

**FY10 Request  
for  
Pre-Proposals**

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**Note:** All Individual Pre-Proposal forms may be viewed and downloaded from the RFP Website: [http://scabusa.org/research\\_rfp10.html#fy10\\_rfp](http://scabusa.org/research_rfp10.html#fy10_rfp).

# Quick Start/ Executive Summary

## Read this First!

### What is new for FY10?

- The USWBSI is soliciting proposed research for the following Coordinated Projects:
  - **Commodity-Based:**
    - Barley (BAR-CP);
    - Durum (DUR-CP); and
    - Hard Winter Wheat (HWW-CP)
  - **VDHR Regional Nurseries:**
    - Spring Wheat (VDHR-SPR);
    - Northern Soft Winter Wheat (VDHR-NWW); and
    - Southern Soft Winter Wheat (VDHR-SWW)
  
- The USWBSI is not soliciting new individual pre-proposals for the following research areas in FY10 because they are in the middle of a 2 year funding cycle:
  - FHB Management (MGMT);
  - Food Safety, Toxicology and Utilization of Mycotoxin-contaminated Grain (FSTU);
  - Gene Discovery and Engineering Resistance (GDER); and
  - Pathogen Biology and Genetics (PBG)

**What is included in this document?** This document contains only the instructions for submitting pre-proposals for FY10. All RFP forms must be downloaded from the RFP website at: [http://scabusa.org/research\\_rfp10.html#fy10\\_rfp](http://scabusa.org/research_rfp10.html#fy10_rfp)

### Categories of Pre-Proposals for FY10:

**There are two distinct categories of FY10 Pre-Proposals:** 1) Proposed Research Projects submitted to one of the Coordinated Projects (CP) listed above; and 2) Individual Pre-Proposals - Proposed research that does not fit within one of the Coordinated Projects may be submitted to the Executive Committee/Headquarters.

### IMPORTANT DEADLINES

<u>Proposal Category</u>	<u>Description of Item: Deadline:</u>	<u>Deadline</u>
<b>Category 1</b>	Letter of Intent (LOI) sent to CP Chair and NFO (electronic version acceptable)	<b>July 31</b>
<b>All Categories</b>	Pre-Registration for EPS System Ends (Proposed-Research and User Registration Forms)	<b>August 31</b>
<b>Category 1</b>	E-version of Proposed Research Project (PRP) sent to CPC Chair and NFO.	<b>September 14</b>
<b>Category 2</b>	FY10 Pre-Proposal(s) uploaded to EPS System.	<b>September 22</b>
<b>All Categories</b>	CV/Publication List, and Current and Pending Support Form uploaded to EPS System.	<b>September 22</b>
<b>Category 1</b>	Signed paper copy of PRP must be <u>received</u> by CPC Chair.	<b>October 1</b>

**Need Help?** As always, please contact (see page 6) Sue Canty or Dave Van Sanford if you have questions.

# PREFACE

The USWBSI's Action Plan has led to a restructuring of the Initiative's areas of research, as well as **significant changes** to the process for developing the annual research plan and budget. The expectation is that these changes will lead to greater collaboration and communication, and more rapid attainment of the Initiative's primary goal: **"To develop as quickly as possible effective control measures that minimize the threat of Fusarium head blight (scab), including the reduction of mycotoxins, to the producers, processors, and consumers of wheat and barley"**. Go to [http://www.scabusa.org/pdfs/uswbsi\\_action-plan\\_web.pdf](http://www.scabusa.org/pdfs/uswbsi_action-plan_web.pdf) to read the complete action plans for all research areas.

## **FY10 Research Categories (RC)**

Below are the Research Categories for which FY10 pre-proposals will be accepted:

- ❖ Barley Coordinated Project (BAR-CP)
- ❖ Durum Coordinated Project (DUR-CP)
- ❖ Hard Winter Wheat Coordinated Project (HWW-CP)
- ❖ Variety Development and Host Resistance
  - Spring Wheat Region (VHDR-SPR)
  - Northern Soft Winter Wheat Region (VDHR-NWW)
  - Southern Soft Red Winter Wheat Region (VDHR-SWW)

Program Descriptions and Research Priorities for the items listed above may be accessed at [www.scabusa.org/research\\_rfp10.html](http://www.scabusa.org/research_rfp10.html). PIs should study this information carefully; any proposed research should be based on the FY10 research priorities which were derived from goals of the Action Plan as well as the Milestone Matrices developed by each CP ([http://www.scabusa.org/pdfs/FY08-09\\_CPs\\_Milestone-Matrix.pdf](http://www.scabusa.org/pdfs/FY08-09_CPs_Milestone-Matrix.pdf)).

## **Requests for Funding**

**As previously mentioned, there are two distinct categories of FY10 Pre-Proposals:**

**1) Proposed Research Projects** submitted to Coordinated Projects; and **2) Individual Pre-Proposals** - Proposed research that does not fit within one of the Coordinated Projects may be submitted to the Executive Committee/Headquarters. An overview of these two categories follows:

- 1) Proposed Research Projects:** If the primary focus of your proposed research (all USWBSI Research Areas) is on Barley, Durum or Hard Winter Wheat, you **must** submit your proposed research to one of the Coordinated Project Committee (CPC). If your proposed research is in the area of Variety Development and Host Resistance, and you work within one of the Uniform Nursery Regions (see page 12 to find your regional nursery), you **must** submit your proposed research to the appropriate VDHR Uniform Nursery Coordinated Project Committee. Please follow the instructions under **Section 1 - Coordinated Projects – Proposed Research Projects** (instructions begin on page 12).
- 2) Individual Project Pre-Proposals:** If you wish to submit a pre-proposal that does not fit within one of the Coordinated Projects, please follow the instructions in **Section 2 – Individual Project Pre-Proposals** (begins on page 19). The Networking & Facilitation Office will process the pre-proposal for appropriate review. **NOTE:** If a pre-proposal is recommended for funding by the USWBSI, it will be funded as a 'single-year' project for FY10.

**Enhancement of USWBSI Communication Activities:** The USWBSI is also seeking ways of improving and enhancing its communication and outreach activities. Although communication and outreach are included in several research areas' Actions Plans, the Initiative would be interested in receiving pre-proposals that innovatively address this need. PIs should follow the instructions and use the forms (accessible via the web) for **Category 2: Individual Pre-Proposals**. In Box 16 of the Application for Funding Cover Page, select option 'None of the above'.

PIs are welcome and encouraged to interact with any of the contacts (listed on page 6) for the Coordinated Projects or Research Areas to identify the appropriate area for their proposed work.

Again, pre-proposals for the following research areas are not being solicited in FY10:

- FHB Management (MGMT)
- Toxicology and Utilization of Mycotoxin-contaminated Grain (FSTU)
- Gene Discovery and Engineering Resistance (GDER)
- Pathogen Biology & Genetics (PBG)

The Program Descriptions and Research Priorities for MGMT, FSTU, GDER and PBG can be viewed on their individual web page (go to <http://scabusa.org/research> to access the web pages for each of the research areas).

### **Electronic Submission of FY10 Pre-Proposals and related documents via the EPS System:**

The on-line submission process begins with the 'Pre-Registration Process' that requires the completion of two web-based forms:

1. **Proposed Research Form:** Information submitted on this form pertains to the proposed research being submitted. Follow the instructions included on the form:  
[http://www.scabusa.org/cgi-bin/pre\\_reg.cgi](http://www.scabusa.org/cgi-bin/pre_reg.cgi)
2. **User Registration Form:** The submission of this form will setup the PI's access account within the EPS System. Form may be accessed at <http://scabusa.org/eps/register.php>.

**NOTE:** Upon successful completion of the 'Pre-Registration Process', the user will receive a confirmation e-mail that will include a 'Help Document' for navigating the EPS System.

Pre-Registration opens June 30, 2009 and must be completed no later than August 31, 2009. The Electronic Pre-Proposal Submission (EPS) system will open on August 17th. Information needed for accessing the EPS System will be distributed to PIs/Co-PIs within 48 business hours after completing the 'Pre-Registration Process' (both forms). All proposal documents uploaded to the EPS System must be in PDF format. The USWBSI does not require signatures by the Authorized Organizational Representatives (AORs) on pre-proposals, so AORs will not be granted access to the EPS system.

# INTRODUCTION

After carefully reading the 'PREFACE' and studying the FY10 Program Descriptions and Research Priorities, you are ready to begin creating your proposal. Below are a few helpful hints to guide you through this process:

1. First, determine the appropriate Category for your proposed research: 1) Coordinated Project; or 2) Individual Project Pre-Proposal. Again, you may contact any of the individuals listed in Table 1 (page 6) to help determine the most appropriate category for your proposed research.
2. If Category 1 was selected in step 1, determine the Coordinated Project that best fits your proposed research.
3. Finally, follow the instructions in the corresponding section to complete your proposal.

**NOTE:** Proposed research that does not fit into one of USWBSI research categories (CP or RA) are also welcome.

## PRE-PROPOSAL PREPARATION:

It is important that all pre-proposals conform to the instructions provided in the FY10 Request for Project Pre-Proposal Application. The USWBSI's Networking & Facilitation Office may return, without review, any proposals that are not consistent with these instructions. The NFO must authorize any deviations from these instructions in advance of final submission. Deviations may be authorized by written approval from the NFO Director ([dvs@uky.edu](mailto:dvs@uky.edu)) or Manager ([scabusa@scabusa.org](mailto:scabusa@scabusa.org)).

## COLLABORATIVE PROJECTS:

Even though six distinct Coordinated Projects have been established (Barley, Durum, Hard Winter Wheat and the three VDHR Regional Uniform Nurseries), other collaborative projects within or across research disciplines are encouraged. PIs who intend to submit pre-proposals with similar objectives, methods, treatments, etc. should coordinate their efforts to produce a single, unified pre-proposal rather than similar, separate pre-proposals. If you are part of a collaborative project, and your proposed project is approved for funding, the funding will come in the form of a direct agreement from USDA-ARS to you and your institution.

## REVIEW AND FUNDING RECOMMENDATION PROCESS:

Please note that project pre-proposals will be **regarded as confidential** documents. Distribution will be limited only to parties involved with the review process. All pre-proposals received by the assigned deadline will be sent for review to one of the designated review panels. The Executive Committee then reviews the panels' recommendations and if necessary, modifies the awards so that they fit into the FY10 congressional budget and the overall objectives of the Initiative. The final step is approval of the EC's recommended research plan and budget by the Steering Committee in early December. **All PIs whose proposed research project(s) or individual pre-proposal(s) are recommended for funding by the Initiative will be asked to compile and formalize their proposed research into a single 'Grant Applications' for inclusion in the Initiative's recommended FY10 Research Plan.** The recommended comprehensive plan will be sent to USDA-ARS in the early months of 2010.

**NEED HELP?**

If you have any questions regarding this application or the pre-proposal process, please contact the U.S. Wheat and Barley Scab Initiative's Networking and Facilitation Office (NFO) by phone at (517) 355-0271 ext. 1183 or by e-mail at [scabusa@scabusa.org](mailto:scabusa@scabusa.org).

To facilitate pre-proposal preparation, a Frequently Asked Questions (FAQs) document pertaining to preparation and submission of pre-proposals has been developed and is available electronically on the USWBSI's Website at:

[http://scabusa.org/research\\_rfp10.html#faq](http://scabusa.org/research_rfp10.html#faq)

This FAQ document will be updated regularly as questions and requests for clarification are submitted to the Networking & Facilitation Office (NFO).

## **IMPORTANT RFP DEADLINES FOR ALL CATEGORIES OF PROPOSED RESEARCH.**

<b>Proposal Category</b>	<b>Description of Item: Deadline:</b>		
<b>1. Proposed Research Projects submitted to a Coordinated Project:</b>	Letter of Intent (LOI)	<b>July 31, 5:00*</b>	
	Individual Proposed Research Project	E-version:	<b>Sept, 14, 5:00</b>
		Paper (signed):	<b>Oct. 1, 5:00</b>
	CV/Publication Lists and Current and Pending Support Form	Upload to EPS System:	<b>Sept. 22, 5:00</b>
<b>2. Individual Pre-Proposal:</b>	Individual Pre-Proposal (includes three separate Adobe PDF files)	<b>September 22, 5:00</b>	

\* All times are PM in Eastern Time Zone (ET)

**Table 1.** Contacts for Coordinated Projects, Research Areas and Networking & Facilitation Office.

Coordinated Projects		Contact	Email Address
Barley (BAR)		Kevin Smith, Univ. of Minnesota	<a href="mailto:smith376@umn.edu">smith376@umn.edu</a>
Durum (DUR)		Xiwen Cai, ND State Univ.	<a href="mailto:xiwen.cai@ndsu.edu">xiwen.cai@ndsu.edu</a>
Hard Winter Wheat (HWW)		Bill Berzonsky, SD State Univ.	<a href="mailto:William.Berzonsky@sdstate.edu">William.Berzonsky@sdstate.edu</a>
Uniform Nurseries - VDHR <sup>1</sup>	Region		
	Spring Wheat	Karl Glover, SD State Univ.	<a href="mailto:Karl.Glover@sdstate.edu">Karl.Glover@sdstate.edu</a>
	Soft Winter Wheat - Northern	Clay Sneller, Ohio State Univ.	<a href="mailto:sneller.5@osu.edu">sneller.5@osu.edu</a>
	Soft Winter Wheat - Southern	Jose Costa, Univ. of Maryland	<a href="mailto:costaj@umd.edu">costaj@umd.edu</a>
<b>Research Areas<sup>2</sup></b>			
		<b>Contact</b>	<b>Email Address</b>
MGMT		Christina Cowger, USDA-ARS, NC	<a href="mailto:christina_cowger@ncsu.edu">christina_cowger@ncsu.edu</a>
FSTU		Jim Pestka, MI State University	<a href="mailto:pestka@msu.edu">pestka@msu.edu</a>
GDER		Steve Scofield, USDA-ARS, IN	<a href="mailto:scofield@purdue.edu">scofield@purdue.edu</a>
PBG		Frances Trail, MI State University	<a href="mailto:trail@msu.edu">trail@msu.edu</a>
<b>General Questions regarding the RFP Process:</b>			
		<b>Contact</b>	<b>Phone Number/E-mail</b>
		Dave Van Sanford, Director of the Networking & Facilitation Office	859-338-2409 <a href="mailto:dvs@uky.edu">dvs@uky.edu</a>
		Sue Cauty, Manger of the Networking & Facilitation Office	517-290-5023 <a href="mailto:scabusa@scabusa.org">scabusa@scabusa.org</a>

<sup>1</sup> VDHR – Variety Development & Host Resistance

<sup>2</sup> MGMT – FHB Management

FSTU – Food Safety, Toxicology, and Utilization of Mycotoxin-contaminated Grain

GDER – Gene Discovery & Engineering Resistance

PBG – Pathogen Biology & Genetics

# FY10 Program Descriptions and Research Priorities/Objectives

## Barley Coordinated Project (BAR-CP)

### Project Description:

Minimizing the impact of Fusarium head blight (FHB) on barley production in the U.S. requires a multi-dimensional, yet focused and coordinated research effort. The Barley Coordinated Project (CP) seeks to combine existing lines of productive research with new avenues of investigation to develop a set of tools and disease management strategies that will minimize disease risk to producers and end-users of barley (Figure 1 - [http://scabusa.org/pdfs/bar-cp\\_flow-chart.pdf](http://scabusa.org/pdfs/bar-cp_flow-chart.pdf)). This toolbox will consist of: 1) varieties with enhanced levels of resistance to FHB, lower levels of deoxynivalenol (DON), superior agronomic performance, and good end-use quality; 2) chemical formulations, application procedures, and a disease forecasting model, that maximize fungicide efficacy; 3) residue management strategies that reduce the potential of pathogen inoculum to contribute to disease epidemics; and 4) a set of best management practices that incorporate our current understanding of the tools available to combat this disease.

### Research Objectives:

The Barley CP is organized around four of the Research Areas (RA) outlined in the USWBSI Action Plan. A set of 10 objectives are established within these four RA.

#### I. Variety Development and Host Resistance (VDHR)

- Objective 1. Screen available *Hordeum* germplasm for novel sources of resistance.
- Objective 2. Map novel QTL for resistance to FHB in barley.
- Objective 3. Validate and fine map FHB resistance QTL.
- Objective 4. Develop new barley varieties with enhanced resistance to FHB and lower DON.

#### II. Gene Discovery and Engineering Resistance (GDER)

- Objective 5. Identify barley genes differentially regulated in the barley-*Fusarium* interaction.
- Objective 6. Evaluate promising transgenes in adapted genetic backgrounds in regional nurseries.

#### III. Pathogen Biology and Genetics (PBG)

- Objective 7. Investigate host genotype x pathogen interaction for infection, spread, disease development, and accumulation of DON.

#### IV. FHB Management (MGMT)

- Objective 8. Elucidate the epidemiology of colonization and survival of *Fusarium graminearum* on host tissue, disease development, and toxin accumulation.
- Objective 9. Develop and evaluate chemical/biological management strategies that reduce FHB and/or DON in barley.
- Objective 10. Develop and promote best management strategies through integrated disease management.

## DURUM COORDINATED PROJECT (DUR-CP)

### Project Description:

Fusarium head blight (FHB) caused by the fungus *Fusarium graminearum* Schwabe (telomorph *Gibberella zae* (Schwein.) Petch. has been seriously attacking durum wheat (*Triticum turgidum* L. var. *durum*) in North Dakota and the surrounding states. There is continuous decline in harvested durum acreage and production in the durum producing area in the United States because of FHB. Fungicides may reduce the disease but the most environmentally safe and economical way to control the disease is with genetic resistance. A durum Coordinated Project (CP) has been created under the direction of the USWBSI to accomplish the initiative action plans. The CP's main objective is to develop FHB resistant durum wheat germplasm (lines/cultivars) with low DON levels, good agronomic traits, and good quality traits that will serve the producers, the domestic pasta industry, and the international export market. Reducing the impact of FHB requires a multidisciplinary effort and therefore the CP includes plant breeders, pathologists, geneticists, and researchers working in the area of disease management. The CP also includes stakeholders such as millers and pasta manufactures.

### Research Objectives for FY10:

1. Search for novel sources of resistance to FHB in durum and its tetraploid relatives.
2. Identify, map, and validate FHB resistance QTL in the newly identified sources of resistance and develop user-friendly molecular markers to assist selection in durum breeding and germplasm development.
3. Incorporate FHB resistance QTL from tetraploid and hexaploid wheat accessions into adapted durum backgrounds and develop elite durum germplasm with the assistance of molecular markers in selection.
4. Develop durum varieties with enhanced level of FHB resistance and reduced DON accumulation.
5. Investigate host genotype x pathogen chemotype/genotype interaction for FHB and DON.
6. Evaluate chemical management strategies that reduce FHB and/or DON in durum.
7. Develop and promote best management strategies through integrated disease management.

## HARD WINTER WHEAT COORDINATED PROJECT (HWW-CP)

### Project Description:

The HWW-CP is a scientifically lean coordinated project that will measure its success by one goal: Reducing DON in the hard winter wheat grain supply to the current level required in the European Union (EU) which is lower than the US standard. We selected this target because half of our grain is exported and the majority of the grain shipped to the EU is sourced from the scab prone regions of the HWW region (e.g. the Eastern Great Plains). As whole grain products increase, our goal will be to ensure that the DON concentration in these products is also below established thresholds. Based upon the timelines expected for success in reducing DON, we include predominantly plant breeders, pathologists, geneticists and those that support these activities. We work closely with those in disease management as we feel improved cultivars with improved management have the greatest potential for success within our timelines. Our germplasm, information, and all other activities are freely available to other researchers in other Research Areas. We fully support their efforts, but remain focused on reducing DON as quickly as possible. The membership of the HWW-CP includes: all researchers currently funded within the CP, individuals designated as representatives from other Research Areas, all interested FHB researchers who may or may not be funded by the Initiative, our stakeholders committee representing members from groups that fund us (e.g. the KS, NE, SD, and ND Wheat Commissions), and lastly, members of groups that are key to our industry, but do not fund us monetarily. These are the “independent” stakeholders and would include the major mills and bakeries, private wheat breeders, and chemical company representatives.

### Research Objectives for FY10:

The HWW-CP is organized around one of the Research Areas (VDHR) as outlined in the USWBSI Action Plan. A set of four objectives are established within this CP. In addition, we intend to work closely with the other Research Areas (RA) as they provide information applicable to our stated goal of reducing DON to the level of required by the EU. Specifically we will work most closely with research coming from the FHB Management RA.

#### I. Variety Development and Host Resistance (VDHR)

- Objective 1. Increase acreage planted to varieties exhibiting improved FHB resistance.
- Objective 2. Increase efficiency of individual breeding programs' to develop and release FHB resistant varieties.
- Objective 3. Develop new breeding technologies and germplasm to further enhance short term and long term improvement of FHB resistance and to efficiently introgress effective resistance genes into breeding germplasm.
- Objective 4. Expand the testing and evaluation of regional germplasm to include breeding lines from public and private breeding programs and to include irrigated field nurseries representative of all FHB environments throughout the region.

### Related Research to the HWWCP of Immediate Importance:

#### II. FHB Management (MGMT)

- Objective 5. Characterize genotype x fungicide treatment responses for enhancing FHB resistance and the reduction of DON.
- Objective 6. Develop a full understanding of specific environmental and biological factors influencing infection and toxin accumulation.
- Objective 7. Enhance communication and end user education/outreach.

## VARIETY DEVELOPMENT AND HOST RESISTANCE (VDHR)

### **FY10 Program Description:**

The VDHR research area will be Uniform Nursery based in the case of soft winter wheat and spring wheat. States will be aligned with the uniform nurseries as follows: Uniform Regional Scab Nursery for Spring Wheat Parents (MN, ND, SD, MT); Uniform Northern Soft Winter Wheat FHB Screening Nursery (NY, MI, OH, IN, IL, MO, KY); Uniform Southern Soft Winter Wheat FHB Screening Nursery (NC, MD, VA, AR, GA, LA). VDHR research will be commodity-based in the case of barley, durum and hard winter wheat coordinated projects.

Each Uniform nursery will be coordinated by a regional committee, chaired by existing nursery coordinators. Nurseries will be conducted in collaboration with a pathologist wherever possible and a subset of promising entries may be grown at multiple locations in Integrated Management Trials. The nurseries will also be evaluated for milling and baking quality, and haplotyped at the USDA regional genotyping labs. The most promising lines may be entered in the nurseries for a second year of testing at the lines originator's request. Collaborators will submit candidate parents for crossing, and pre-breeding populations derived from these crosses/populations will be made available to all collaborators. Mapping of new resistance sources will be accomplished through joint phenotyping of populations. All collaborators must screen varieties planted commercially (>5% of wheat acreage) in their state for FHB resistance and provide this information to growers.

### **FY10 Research Priorities Derived from Action Plan Goals:**

1. Increase acreage planted with varieties with improved FHB resistance to reduce DON in the US grain supply.
2. Increase efficiency of coordinated project breeding programs to develop and release FHB resistant varieties.
3. Develop new breeding technologies and germplasm to further enhance short term and long term improvement of FHB resistance and to efficiently introgress effective resistance genes into breeding germplasm.

**SECTION 1:**

**COORDINATED PROJECTS -  
PROPOSED RESEARCH  
PROJECTS (PRPs)**

## INTRODUCTION

### Does my proposed research belong in a Coordinated Project (CP)?

Yes, if the primary focus of your proposed research involves the following:

<b>Commodity-Based Coordinated Projects:</b> (includes proposed research in all research areas that focus' on one of these commodities)	Barley (BAR)
	Durum (DUR)
	Hard Winter Wheat (HWW)
<b>VDHR Uniform Nursery Coordinated Projects:</b> (all VDHR proposed research not submitted to one of the Commodity-Based CPs must be submitted to one of the Uniform Nursery CPs)	<b>Spring Wheat Region</b> - States included in this CP: MN, ND, SD, MT
	<b>Northern Soft Winter Wheat</b> - - States included in this CP: NY, MI, OH, IN, IL, MO, KY
	<b>Southern Soft Red Winter Wheat-</b> -States included in this CP: NC, MD, VA, AR, GA, LA

### Overview of Submission Process for Coordinated Project Pre-Proposals:

Whether you are proposing research to the Barley, Durum, Hard Winter Wheat CPs or one of the VDHR - Regional Uniform Nurseries CPs, below are the main components (in order of completion) of the submission process:

1. PIs submit a **Letter of Intent (LOI)** to the Chair of the CPC (see Table 1, page 6), with a copy of the LOI sent to the NFO. **Deadline: July 31**
2. CP committees notify all PIs who submitted Letters of Intent to their CP whether their proposed research has been accepted into the CP's FY10 Pre-Proposal. **Deadline: August 17**
3. PIs (and Co-PIs) complete the Pre-Registration Process for uploading their CV/Publication Lists and Current and Pending Support Form to the EPS System. **Deadline: August 31**
4. PIs submit electronic version (PDF format) of the '**Proposed Research Project**' to the Chair of the CPC and the NFO. **Deadline: September 14**
5. PIs upload their CV/Publications Lists, and Current and Pending Form (PDF format) to the EPS System. **Deadline: September 22**
6. PIs submits signed paper copy of Proposed Research Project to CPC Chair (deadline indicates date CP Chair must receive the signed PRP). **Deadline: October 1**

## INSTRUCTIONS

### 1. PRE-SUBMISSION - LETTER OF INTENT (LOI)

If you plan to participate in one of the Coordinated Projects, you must submit a Letter of Intent to the Chair of the appropriate CP Committee (see Table 1, page 6) by **July 31<sup>st</sup>**. The LOI must adhere to the following:

- *One page (single spaced) maximum;*
- *Name of PI and co-PIs, and the proposed title;*
- *Indicate if this is a continuing or new project;*
- *Identify the research area (MGMT, FSTU, GDER, PBG or VDHR) in which your project fits (applicable to commodity-based CPs only).*
- *Synopsis that describes the following:*
  - *the research objective which your project fits. If it does not fit one of the CP's stated objectives (refer to CPs' or VDHR Program Descriptions and Research Priorities/Objectives - [http://scabusa.org/pdfs/fy10-rfp\\_pd-rp.pdf](http://scabusa.org/pdfs/fy10-rfp_pd-rp.pdf));*
  - *describe the problem being addressed, approaches for solving the problem and the rationale for using these approaches; and*
  - *identify the outputs of the project and how those outputs will be used by researchers, extension educators, or stakeholders to accomplish the overall goal of the USWBSI.*
- *If this is a continuation of a currently funded project, then comment on the relevant milestones included in the CP's current milestone matrix (URL is on page 2); and*
- *Include a statement that demonstrates that the PI/co-PI's are capable of carrying out the proposed research based on past research productivity and expertise in the relevant field(s) of research.*

**Deadline:** Both the Chair of the relevant Coordinated Project Committee and the NFO must receive all Letters of Intent by **July 31, 2009**. LOIs may be submitted electronically via e-mail.

### 2. CP COMMITTEES' RESPONSE TO RECEIVED LETTERS OF INTENT

The CP Committee Chair of the will notify all PIs who submitted Letters of Intent whether their proposed research has been accepted into the CP FY10 Pre-Proposal. PIs have the option, if their proposed research has been rejected by the CP, to submit an individual pre-proposal (follow instructions for Category 2, page 19) for consideration. **Deadline: August 17, 2009**

### 3. PRE-REGISTRATION PROCESS FOR EPS SYSTEM

All PIs submitting a proposed research project to one of the Coordinated Projects must complete the Pre-Registration Process so that they may upload their CV/Publication Lists and Current and Pending Support forms to the EPS System. However, PIs should wait to complete the Pre-Registration Process until after they have received a response from the CP Committee concerning their submitted Letter of Intent (LOI) – *see item 2 above*.

1. Proposed Research Form: Information submitted on this form pertains to the proposed research being submitted. Follow the instructions included on the form:  
[http://www.scabusa.org/cgi-bin/pre\\_reg.cgi](http://www.scabusa.org/cgi-bin/pre_reg.cgi).

2. User Registration Form: The submission of this form will setup the PI's user account within the EPS System. Form may be accessed at <http://scabusa.org/eps/register.php>. You may have already completed this step if you have created a user ID for the Scab Website (i.e. Discussion Boards, Chat, Photo Album etc.)

**Deadline: August 31, 2009**

#### 4. PROPOSED RESEACH PROJECT (PRP)

##### **Plan of Work:**

A Plan of Work must be submitted with your proposed project. This plan must describe how your work specifically fits into the overall Coordinated Project and identify any linkages to other work plans that are part of the Coordinated Project. This document should not exceed 3 pages in length and begins with the 'Plan of Work' Form (downloaded at [http://scabusa.org/research\\_rfp10.html](http://scabusa.org/research_rfp10.html)) as page 1 (text for Plan of Work should begin on page 1 below form fields). The Plan of Work should describe in clear, concrete terms the substance of your proposed research including experimental design, materials and methods, and timeline for completing research. The timeline for the Plan of Work should be two years.

**Format:** The Plan of Work should be formatted using Times New Roman (Normal type except headings), 12 point or higher with one-inch margins. **NOTE:** Bold formatting should only be used for section headings or used minimally to emphasize importance or significance. Conformance to the format requirements will be strictly enforced.

##### **Budget Justification and Budget (Year 1 only):**

Please complete the '**Proposed Research Project Budget Justification Form**' by following the instructions on the form. PI will also complete a budget using either '**Proposed Research Project Budget Form**' or the '**FY10 Multi-PI Budget Worksheet**' (MS Excel file). If the 'Multi-PI Budget Worksheet' is used, please remove the budget page from the 'Plan of Work' forms.

**Multi-PI Budget Worksheet:** The 'Multi-PI Budget Worksheet' was developed for use by PIs whose proposed research includes components at multiple institutions. In such cases, if a pre-proposal is recommended for funding, the awards would go directly to the individual institutions from USDA-ARS. This form should be used in place of the Single Budget Page, as it provides for both the individual budgets as well as the total requested amount for the proposed research. However, when using this form, separate Budget Justification Forms should be included for each individual budget request. This form can be downloaded from the Scab Website at [http://scabusa.org/research\\_rfp10.html#fy10\\_rfp](http://scabusa.org/research_rfp10.html#fy10_rfp) under 'SPECIAL FORMS'. The file contains detailed instructions on completing the budget worksheet which contains calculated fields.

**Instructions for submitting Multi-PI Budget Worksheet with PRP:** You must convert the Excel budget worksheet to a PDF file and either merge it with the other items listed under 'Proposed Research Project' into a single PDF, or you may send it to the CPC Chair and the NFO as a separate PDF file.

**Tuition Remission:** Tuition remission is **permitted** under USDA-ARS **extramural agreements** with any type of recipient organization (i.e. universities). If tuition remission is budgeted as a direct cost, it should be included in the "Other Direct Costs" category of the Budget Page (Section H).

**Policy on Indirect Cost (IDC) Rate:** The USWBSI’s review process focuses on the **competitiveness of total** project costs (direct and indirect). Because Fusarium head blight is such a severe problem for the U.S. wheat and barley industries, the USWBSI has set the indirect costs rate limit at 5%. Excessive indirect cost rates may prejudice the Steering Committee’s final funding recommendations to USDA-ARS.

**NOTE:** There are two versions of the Proposed Research Project forms: 1) Commodity-based; and 2) VDHR – Uniform Nurseries. Make sure you download the appropriate version.

**Breeder Form**

If you are submitting a proposed research project that focuses on VDHR, you must also complete a Breeder Form’. This form can be downloaded from the RFP website under ‘SPECIAL FORMS’.

**Instructions for submitting Breeder Form with PRP:** You must convert the Breeder Form to a PDF file and either merge it with the other items listed under ‘Proposed Research Project’ into a single PDF, or you may send it to the CPC Chair and the NFO as a separate PDF file.

**Deadline:** Both the Chair of the relevant Coordinated Project Committee (CPC) **and** the NFO must receive the electronic version of the Proposed Research Project (PRP) by **September 14, 2009**. The signed paper copy must be received by the CPC Chair no later than **October 1<sup>st</sup>**.

**Mailing Information for CPC Chairs’:**

COMMODITY-BASED COORDINATED PROJECTS		
Barley	Durum	Hard Winter Wheat
Kevin Smith Dept. of Agronomy and Plant Genetics 411 Borlaug Hall, 1991 Upper Buford Circle University of Minnesota St. Paul, MN 55108  smith376@umn.edu	Xiwen Cai Dept. of Plant Sciences Box 5051, 166 Loftsgard North Dakota State University Fargo, ND 58105-5051  xiwen.cai@ndsu.edu	Bill Berzonsky Rm. 248A NPB, Box 2140C South Dakota State Univ Brookings, SD 57007-2141  William.Berzonsky@sdstate.edu
VDHR – REGIONAL UNIFORM NURSERIES		
Spring Wheat Parents	Northern Soft Winter Wheat	Southern Soft Winter Wheat
Karl Glover Plant Science Dept. Box 2207A, NPB 247 South Dakota State University Brookings, SD 57007  Karl.Glover@sdstate.edu	Clay Sneller Dept. of Hort. and Crop Science 1680 Madison Ave. Ohio State University/OARDC Wooster, OH 44691  sneller.5@osu.edu	Jose Costa 2102 Plant Sciences Building University of Maryland College Park, MD 20742  costaj@umd.edu

**5. SUPPORTING DOUCMENTS - ITEMS TO BE UPLOADED TO EPS SYSTEM**

**Curriculum Vitae and Publication List (Maximum four pages)**

The items listed below are required only for the PI (i.e. not required for Co-PIs or secondary scientists - post-docs, graduate students):

- *Curriculum Vitae (C.V.)*. The C.V. should be limited to a presentation of academic and research credentials, e.g., educational, employment and professional history, and honors and awards. Unless pertinent to the project, do not include meetings attended, seminars given, or personal data such as birth date, marital status, or community activities.
- *Publication List*. A chronological list of all publications in refereed journals during the past five years, including those in press, should be provided for each professional project member for whom a Curriculum Vitae is provided. Non-refereed technical publications that have relevance to the proposed project may be included.

**The C.V. and Publication List combined must not exceed four pages.**

**Submission Instructions:** PIs are responsible for uploading their own CV/Pubs to the EPS System. The CV/Pubs will only need to be uploaded one time whether or not the investigator is connected to multiple pre-proposals. File (PDF format) must be uploaded to the EPS System by **September 22, 2009**.

### **Current and Pending Support (CPS)**

*CPS form can be downloaded from RFP website at [http://scabusa.org/research\\_rfp10.html#fy10\\_rfp](http://scabusa.org/research_rfp10.html#fy10_rfp).*

All PIs submitting a proposed research project (PRP) must also submit completed Current and Pending Support Forms listing other current public or private support to which key personnel identified in the PRP have committed portions of their time, whether or not salary support for person(s) involved is included in the budget. Analogous information must be provided for any pending proposals that are being considered by, or that will be submitted in the near future to, other possible sponsors, including other USDA Programs or agencies, and the USWBSI. Concurrent submission of identical or similar proposals to the other possible sponsors will not prejudice the review or evaluation by the USWBSI for this purpose. However, a PRP that duplicates or overlaps substantially with a **proposal already reviewed and funded (or to be funded)** by another organization or agency will not be recommended under this program. The third column ('Requested/Award Amount') on the 'Current and Pending Support Page' has been divided into two sub-columns: Total \$ Amount and PI \$ Allocation. For each grant/proposal listed, **include both the total ('Total \$ Amount') and the amount you have or may receive ('PI \$ Allocation')**.

**Submission Instructions:** PIs are responsible for uploading their own Current and Pending Support Form to the EPS System. The CPS Form will only need to be uploaded one time whether or not the investigator is connected to multiple pre-proposals. File (PDF format) must be uploaded to the EPS System by **September 22, 2009**.

**NOTE:** Upon successful completion of the 'Pre-Registration Process', the user will receive a confirmation e-mail that will include a 'Help Document' for navigating the EPS System.

### Pre-Submission

- PIs submit Letters of Intent (LOI)  
**Submission Deadline (received by Chair  
of CP Committee and NFO):** **July 31, 2009**
  - CPCs respond to PIs regarding acceptance of LOIs into CP **August 17, 2009**
- 

### Pre-Registration

- Proposed Research Form: Information submitted on this form pertains to the proposed research being submitted and will be used by the NFO to configure the EPS System for each PI. **NOTE: This step should not be completed until you have received a response from the CPC to your Letter of Intent.**
- User Registration Form: The submission of this form will setup the PI's user account within the EPS System.

**Registration Deadline:** **August 31, 2009**

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### PI Check-list of Required Items for Proposed Research Projects Submitted to Coordinated Project Committee

- Plan of Work (should not exceed three pages; starts with 'Plan of Work' Form as page 1)
- Proposed Research Project Budget Justification Form (complete all relevant sections)
- Proposed Research Project Budget Page (sign and date)

**Submission Deadline - E-version received  
by CPC Chair and the NFO):**

**September 14, 2009**

**Submission Deadline – Paper Copy:**

**October 9, 2009**

*(Date received by CPC Chair)*

**Note:** *If e-version submitted on 9/14 is different than final paper version, send updated e-version to CPC Chair and NFO by Oct. 9.*

### PI Check-list of Required Items to be uploaded to EPS System

- Curriculum Vitae and Publication List
- Current and Pending Support Form

**Submission Deadline (uploaded to EPS System)**

**September 22, 2009, 5:00 PM ET**

**SECTION 2:**  
**INDIVIDUAL PRE-PROPOSALS**

## INTRODUCTION

If your research does not fit within one of the Coordinated Projects, you may submit an Individual Project Pre-Proposal to the Executive Committee/Headquarters (EC-HQ) for consideration of funding for FY10.

## OVERVIEW OF THE ELECTRONIC SUBMISSION PROCESS

Individual Pre-proposals will be submitted using the USWBSI's Electronic Pre-Proposal Submission (EPS) System. Pre-proposal must be organized and saved as three separate Adobe PDF files for the purpose of uploading to the EPS System. Below are the steps you will take to complete and submit your individual project pre-proposal:

1. **Pre-Registration Process** - All PIs must complete the Pre-Registration Process in order to submit their pre-proposal via the EPS System.
  - **Proposed Research Form:** Information submitted on this form pertains to the proposed research being submitted. Form may be accessed at [http://www.scabusa.org/cgi-bin/pre\\_reg.cgi](http://www.scabusa.org/cgi-bin/pre_reg.cgi). Select from the drop down list the research area that best fits your proposed research.
  - **User Registration Form:** The submission of this form will set up the PI's access account within the EPS System. Form may be accessed at <http://scabusa.org/eps/register.php>. You may have already completed this step if you have created a user ID for the Scab Website (i.e. Discussion Boards, Chat, Photo Album etc.)

**Deadline: August 31, 2009**

Following successful completion of the Pre-Proposal Registration process (both forms), you will receive a confirmation e-mail containing a 'Help Document' that will aid you in navigating the EPS System.

**NOTE:** You do not have to complete the 'Pre-Registration Process' before you begin working on your Pre-proposal.

2. You will complete your pre-proposal following the instructions provided in this RFP and using the forms which may be downloaded from the RFP website ([http://www.scabusa.org/research\\_rfp10.html](http://www.scabusa.org/research_rfp10.html)). Your final pre-proposal must be completed by creating three files organized as follows:
  - **FILE 1 – Body of Pre-Proposal** – Contains the following:
    - Application for Funding Cover Page
    - Project Summary Form
    - Summary of Progress for Ongoing Related Project(s)
    - Project Description
    - References to Project Description
    - Facilities and Equipment
    - Collaborative Arrangements
    - Letters of Intent from Collaborators and Co-Investigators (letter from Co-PI will substitute signature on 'Application for Funding Cover Page') – *may be in the form of e-mail messages copied and pasted into your pre-proposal document.*
    - Budget Justification Form.

- Budget Page (**Note:** If you are completing a ‘Multi-PI Budget’ which is in Excel format, please refer to the instructions on page 23).
- **FILE 2 – Curriculum Vitae and Publication List (CV/Pubs):** The PI and each Co-PI is responsible for uploading his/her own CV/Pubs file. CV/Pubs for secondary project personnel should be included in the PI’s file.
- **FILE 3 – Current and Pending Support (CPS) Form:** The PI and each Co-PI is responsible for uploading his/her own CPS form.

Login to the EPS System using the information received after successful completion of the ‘Pre-Registration Process.’ Following the instructions in the ‘Help Document’ (included in e-mail from the Networking & Facilitation Office), proceed to upload the three separate files (Body of Pre-Proposal, Curriculum Vitae /Publication List, and Current and Pending Support Form) following the simple instructions. The files you upload must be in Adobe PDF format.

Because the USWBSI does not require signatures by the Authorized Organizational Representatives (AORs) on pre-proposals, institutional AOR’s will not be granted access to the EPS System.

### **Important Dates for EPS System and deadlines for Individual Pre-Proposals:**

- June 30: Pre-registration begins (you will receive your access information on or within 48 business hours after Aug. 1).
- Aug 17: EPS System Opens
- Aug 31: Pre-Registration Process ends.
- Sept. 22: Deadline for final submission of pre-proposals.

## **INSTRUCTIONS**

### **FILE 1: Pre-Proposal**

#### **Application for Funding Cover Page**

The pre-proposal must contain a completed ‘Application for Funding Cover Page’, which will be the first page of the application. In completing this form, please note the following:

- *Title of Proposal (Block 6).* The title of the project pre-proposal must be brief (**80-character maximum**), yet represent the major thrust of the project. Because this title will be used to provide information to those who may not be familiar with the proposed project, highly technical words or phraseology should be avoided where possible. In addition, phrases such as “investigation of” or “research on” should not be used.
- *Principal Investigator/Co-Investigators (Block 10).* List the name of the proposing principal investigator in this block. All other participating scientists should be listed as co-investigators. The co-investigators should be limited to those required for major scientific collaboration.
- *Currently Funded Projects (Block 13).* List the titles of all individual research projects that are currently being funded in FY08 (approx. May 2009 – April 2010) in association with the USWBSI/ARS collaboration.

- *Research Area (Block 16).* Your Project Pre-Proposal should be constructed to address one or more of the Action Plan goals ([http://scabusa.org/pdfs/uswbsi\\_action-plan\\_web.pdf](http://scabusa.org/pdfs/uswbsi_action-plan_web.pdf)). In Block 16, designate with an 'X' one Research Category whose description and priorities your project is designed to address. Research Area Program Descriptions and Research Priorities (PD-RP) can be accessed through the Initiative's Web site at [www.scabusa.org/research.html](http://www.scabusa.org/research.html).
- *Signatures.* Signatures are not required for pre-proposals submitted via the Electronic Pre-Proposals Submission (EPS) System. However, a Letter of Intent from all Co-Investigators must be included in the pre-proposal under the section titled "Collaborative or Sub Contractual Arrangements".

### **Project Summary Form**

Each project pre-proposal must contain a completed Project Summary Page, which will be the second page of the project pre-proposal. The names and institutions of all of the principal and co-investigators should be listed on this form (if space for this information is insufficient, please enter "see attached" and provide the information on a separate sheet immediately following the Project Summary Page). The project summary itself must fit within the space indicated. The summary is not intended for the general reader; consequently, it may contain technical language relating to Fusarium head blight research. The project summary should be self-contained, include a specific description of the activity to be undertaken, and focus on the following:

- Overall project goal(s)
- Project Objectives (list in numbered format) and Expected Outcomes;
- Plans to accomplish project goal(s) within period of proposed work (**one year**); and
- Relevance of the project to the goals of the U.S. Wheat and Barley Scab Initiative with specific reference to the research priorities listed in the FY10 Program Descriptions and Research Priorities (PD-RP).

A concise, informative project summary is essential. Project Summaries are considered part of the pre-proposal and are therefore confidential.

### **Summary of Progress for Ongoing Related Project(s) – *Limit to a single page per project***

The purpose of this section is to enable PI's to demonstrate that they have made (or are moving towards) effective use of funds for ongoing USWBSI-recommended projects **related to** the current pre-proposal. This includes projects which were initially funded this year (FY09). Include the following information for each **relevant** ongoing project:

- Project Title;
- brief summary of activities (including non-data generating items such as hiring of personnel, equipment acquisition, etc.), any results and/or accomplishments made to date (include actual data documenting progress made since FY09 funding was awarded; and
- any information that will help reviewers understand how the current pre-proposal builds upon the ongoing project.

### **Project Description**

The Project Description should provide a clear statement of the work to be undertaken and must include: research objectives for the **period of the proposed work** and expected significance; relation to longer-

term goals of the PI's project; and relation to the present state of knowledge in the field, to work in progress by the PI under other support and to work in progress elsewhere.

The Project Description should outline the general plan of work, including the broad design of activities to be undertaken, and, where appropriate, provide a **clear description** of experimental methods and procedures, and plans for preservation, documentation, and sharing of data, samples, physical collections, curriculum materials and other related research and education products.

**ii. Format:** Brevity will assist reviewers and USWBSI/NFO staff /reviewers in dealing effectively with pre-proposals. **Therefore, the written text of the Project Description must be five pages or less (single spaced or equivalent); ten pages or less in total including figures and tables.** The Project Description should be formatted using Times New Roman (Normal type except headings and 12 point or higher) with one-inch margins. **NOTE:** Bold formatting should only be used for section headings or used minimally to emphasize importance or significance. Conformance to the format requirements will be strictly enforced.

**iii. Content:**

- *Title.* Same as Application for Funding Cover Page (**80-Character Maximum**).
- *Introduction.* A clear statement of the goal(s) and supporting objectives or research questions of the proposed project should be included. The most significant published work in the field under consideration, including the work of key project personnel on the current application, should be reviewed. The current status of research in this field of science should also be described **including, but not limited to, any ongoing USWBSI-recommended work currently underway. Preliminary data pertinent to the proposed research may be included in this section.** Present and discuss published literature that is directly related to, and supports, the proposed research (research objectives, materials and methods).
- *Rationale and Significance.* It is understood that head scab is a devastating disease. **Acknowledgment of this fact should require no more than one sentence.** Concisely present the rationale behind the proposed research; identify the gaps in the knowledge base that your pre-proposal is trying to fill. Relevance of the project to the goals of the U.S. Wheat and Barley Scab Initiative with specific reference to the priorities listed in the FY10 Program Descriptions and Research Priorities (PD-RP). If applicable, please indicate if the research proposed here could lead to successful acquisition of grant funds from other agencies.
- *Research Materials and Methods.* Specifically, this section must include:
  - The hypotheses or questions being asked;
  - A description of the investigations and/or experiments proposed **in the sequence** in which the investigation or experiments are to be performed;
  - Techniques and methodologies to be used in carrying out the proposed project, including the feasibility of the techniques. **(Describe in step by step fashion exactly what techniques, materials and methods will be used.);**
  - Results expected;
  - Means by which experimental data will be analyzed or interpreted;
  - Means of applying results or accomplishing technology transfer, where appropriate;
  - Pitfalls that may be encountered;
  - Limitations to proposed procedures; and
  - A tentative schedule for conducting major steps involved in these investigations and/or experiments.

**Please Note: Failure to address each of the issues in the bullet list will diminish the likelihood of the success of your pre-proposal being recommended for funding.**

### **References to Project Description**

All references cited in the Project Description should be included in bibliographic format. Although there is no established page limitation for the references, this section must include bibliographic citations only, and must not be used to provide parenthetical information outside of the project description.

### **Facilities and Equipment**

All facilities and major items of equipment available for use or assignment to the proposed project during the requested period of support should be described. In addition, items of nonexpendable equipment necessary to conduct and successfully conclude the proposed project should be listed (including dollar amounts), and, if funds are requested for their acquisition, justification should be included in the Budget Justification.

### **Collaborative or Sub-contractual Arrangements**

If the nature of the proposed project requires collaboration or contractual arrangements with other research scientists, corporations, organizations, agencies, etc, the applicant must identify the collaborator(s) and provide a **detailed explanation of the nature** of the collaboration. Evidence in the form of a letter of intent from all collaborators must be provided to assure reviewers that collaborators or sub-contractors involved have agreed to render the indicated services. **The letter of intent must include specific details describing the services the collaborator will provide.**

### **Budget and Budget Justification**

Please complete the ‘**FY10 Individual Project Pre-Proposal Budget Justification Form**’ by following the instructions on the form. Also complete a budget using either ‘**FY10 Individual Project Pre-Proposal Budget Form**’ or the ‘**FY10 Multi-PI Project Pre-Proposal Budget Worksheet**’ (MS Excel file). If the ‘Multi-PI Budget Worksheet is used, please remove the budget page from File 1 before uploading to the EPS System.

Multi-PI Budget Worksheet: The ‘Multi-PI Budget Worksheet’ was developed for use by PIs whose proposed research includes components at multiple institutions. In such cases, if a pre-proposal is recommended for funding, the awards would go directly to the individual institutions from USDA-ARS. This form should be used in place of the Single Budget Page, as it provides for both the individual budgets as well as the total requested amount for the proposed research. However, when using this form, separate Budget Justification Forms should be included for each individual budget request. This form can be downloaded from the Scab Website at [http://scabusa.org/research\\_rfp10.html#fy10\\_rfp](http://scabusa.org/research_rfp10.html#fy10_rfp) under ‘SPECIAL FORMS’. The file contains detailed instructions on completing the budget worksheet which contains calculated fields.

Instructions for submitting Multi-PI Budget Worksheet: You must first convert the Excel budget worksheet to a PDF file before uploading to the EPS System as a separate file (i.e. do not include with File 1). Then, upload the PDF to the EPS system following the instructions in the ‘EPS Help Document’.

Tuition Remission: Tuition remission is **permitted** under USDA-ARS **extramural agreements** with any type of recipient organization (i.e. universities). If tuition remission is budgeted as a direct cost, it should be included in the "Other Direct Costs" category of the Budget Page (Section H).

**Policy on Indirect Cost (IDC) Rate:** The USWBSI's review process focuses on the **competitiveness of total project costs (direct and indirect)**. Because Fusarium head blight is such a severe problem for the U.S. wheat and barley industries, the USWBSI has set the indirect costs rate limit at 5%. Excessive indirect cost rates may prejudice the Steering Committee's final funding recommendations to USDA-ARS.

## **FILE 2: Curriculum Vitae and Publication List (CV/Pubs)**

**Curriculum Vitae and Publication List** (Maximum four pages for CV with Publication List per Scientist)

To assist peer reviewers in assessing the competence and experience of the proposed project staff, all personnel who will be involved in the proposed project must be identified clearly. The items listed below should be included for all personnel (PI, Co-Investigators, and secondary scientists (i.e. post-docs, graduate students)) who are expected to work on the project in a significant fashion (e.g. expectation of co-authorship on ensuing publications), whether or not funds are sought for this support:

- *Curriculum Vitae (C.V.)*. The C.V. should be limited to a presentation of academic and research credentials, e.g., educational, employment and professional history, and honors and awards. Unless pertinent to the project, do not include meetings attended, seminars given, or personal data such as birth date, marital status, or community activities.
- *Publication List*. A chronological list of all publications in refereed journals during the past five years, including those in press, should be provided for each professional project member for whom a Curriculum Vitae is provided. Non-refereed technical publications that have relevance to the proposed project may be included.

**The C.V. and Publication List combined must not exceed four pages per scientist. C.V. and Publication Lists for collaborators or sub-contractors are not required.**

**Submission Instructions:** PIs and Co-PIs are responsible for uploading their own CV/Pubs to the EPS System. CV/Pubs for all secondary scientists should be included in the PI's file. The CV/Pubs will only need to be uploaded one time whether or not the investigator is connected to multiple pre-proposals. File must be uploaded to the EPS System by **September 22, 2009**.

**NOTE:** Upon successful completion of the 'Pre-Registration Process', the user will receive a confirmation e-mail that will include a 'Help Document' for navigating the EPS System.

## **FILE 3: Current and Pending Support (CPS) Form**

CPS form can be downloaded from RFP website at [http://scabusa.org/research\\_rfp10.html#fy10\\_rfp](http://scabusa.org/research_rfp10.html#fy10_rfp).

All project pre-proposals must contain completed Current and Pending Support Forms for PI and all Co-PIs listing other current public or private support to which key personnel identified in the pre-proposal have committed portions of their time, whether or not salary support for person(s) involved is included in the budget. Analogous information must be provided for any pending proposals that are being considered by, or that will be submitted in the near future to, other possible sponsors, including other USDA Programs or agencies, and the USWBSI. Concurrent submission of identical or similar proposals to the other possible sponsors will not prejudice pre-proposal review or evaluation by the USWBSI for this purpose. However, a project pre-proposal that duplicates or overlaps substantially with a **proposal already reviewed and funded (or to be funded)** by another organization or agency will not be

recommended under this program. The third column ('Requested/Award Amount') on the 'Current and Pending Support Page' has been divided into two sub-columns: Total \$ Amount and PI \$ Allocation. For each grant/proposal listed, **include both the total ('Total \$ Amount') and the amount you have or may receive ('PI \$ Allocation')**.

**Submission Instructions:** PIs and Co-PIs are responsible for uploading their own Current and Pending Support Form to the EPS System. The CPS Form will only need to be uploaded one time whether or not the investigator is connected to multiple pre-proposals. File must be uploaded to the EPS System by **September 22, 2009**.

**NOTE:** Upon successful completion of the 'Pre-Registration Process', the user will receive a confirmation e-mail that will include a 'Help Document' for navigating the EPS System.

## Pre-Registration

- Proposed Research Form: Information submitted on this form pertains to the proposed research being submitted and will be used by the NFO to configure the EPS System for each PI.
- User Registration Form: The submission of this form will setup the PI's user account within the EPS System.

**Registration Deadline:**

**August 31, 2009, 5:00 PM (ET)**

### Check List and Order of Required Items for Individual Project Pre-Proposals

- **FILE 1: Project Pre-Proposal**
  - Application for Funding Cover Page
  - Project Summary Form (*must fit within text box*)
  - Summary of Progress for Previously Funded Project – FY09 (*one page maximum*)
  - Project Description (*five pages or less written text; ten pages or less in total including figures and tables*)
  - References to Project Description
  - Facilities and Equipment
  - Description of Collaborative Arrangements
  - Letters of intent from each collaborator and/or Co-PI
  - Budget Justification Form
  - Project Pre-Proposal Budget Form (*use either Individual or Multi-PI Budget forms; if 'Multi-PI Budget form is used, it will be uploaded as a separate file to the EPS System*)
- **FILE 2: Curriculum Vitae and Publication List** (*maximum of four pages total per scientist*)
- **FILE 3: Current and Pending Support Form**

### RFP DEADLINES FOR INDIVIDUAL PROJECT PRE-PROPOSALS

**Pre-Registration Deadline:**

**Friday, August 31**

**Submission of FY10 Pre-Proposal Deadline:**

**Tuesday, September 22**