

INTSORMIL

Sorghum, Millet and Other Grains CRSP

Project Work Plan
Year 1: September 30, 2011- September 29, 2012

The U.S. Project Work Plan and Budgets are due October 31, 2011.

The Work Plan will be for one year: September 30, 2011 - September 29, 2012.

Instructions:

- A. Work Plans and Budgets should be submitted by email to Joan Frederick (jfrederick1@unl.edu) and Kim Christiansen (kchristiansen2@unl.edu).
- B. Work Plans should be limited to no more than 5 pages
- C. In Work Plan development take into consideration the two key objectives of the Feed the Future initiatives, **accelerating inclusive agriculture sector growth** and **improving nutritional status**, and the **Feed the Future focus countries (see below)**. These objectives have direct causal linkages to sustainably reducing hunger and poverty.

Feed the Future Objectives:

I. Accelerate inclusive agricultural sector growth

A. *Improving agricultural productivity to reduce hunger and ensure food security*

- ***Increase access to affordable agricultural inputs and improved techniques and technology***, including agricultural biotechnology, high quality seed, livestock feed, fertilizer, and best management practices
- ***Develop inputs and technologies that are adapted to local conditions*** by supporting national research institutes, funding applied research, and building local research capacity, including training local researchers and technicians
- ***Expand access to knowledge through agricultural extension***, providing educational services that are tailored to meet local needs, including the needs of women. These should be demand-driven, scientifically-based, cost-effective, and build on local and indigenous knowledge.
- ***Strengthen agricultural producer organizations*** that can better represent the interests of men and women producers and entrepreneurs in government policymaking; help them engage in bulk purchases of farming and aquaculture inputs at lower prices, and tap potential economies of scale in storage and distribution; serve as an efficient conduit for disseminating training, market, and management information.

B. *Promote sorghum and pearl millet production and utilization by expanding markets and trade*

- ***Expand market information*** for producers and enterprise owners, including through programs that focus on equitable access for women. Information-sharing tools, such as sending market information via mobile phones and the internet, enable agricultural producers to negotiate better

prices with buyers.

- ***Improve post-harvest market infrastructure*** to make markets work better for women and men agricultural producers and extend the reach of nutritious foods. Post-harvest market infrastructure investments facilities that is used for, storage, and processing.
- ***Improve access to business development and financial services*** to improve the productivity, value-added and competitiveness.

II. Improved Nutritional Status of women, children, resource-poor end users and vulnerable populations

- *Prevent undernutrition through community-based programs*
- *Improve diet quality and diversity*

Feed the future focus countries:

The overall approach is to focus on increasing food security and promoting market development of sorghum and pearl millet products for USAID “Feed the Future” focus and strategic partner countries (Feed the Future focus and strategic partner countries are Ethiopia, Ghana, Kenya, Mali, Mozambique, Senegal, Tanzania, Uganda, Zambia, Guatemala, Haiti, Honduras, Nicaragua, Nigeria, and South Africa. INTSORMIL is also working in two non-Feed the Future countries: Burkina Faso and Niger. This is justified by the importance of sorghum and pearl millet for food security, and the leading example and predominant capability of the value chain approach in regard to food processing and poultry feeding in Niger and the leading example of GMO use in Burkina Faso.

Objectives of the INTSORMIL CRSP are to:

- **Facilitate the growth of rapidly expanding markets and end-use industries for sorghum and pearl millet**
- **Refine integrated management strategies to improve sorghum and pearl millet stability, yields, food safety, and nutritional quality and control pests, with the intent to enhance marketability and consumer health while maintaining or improving natural resources**
- **Disseminate integrated management information to partners, technology transfer agents, and producers of sorghum and pearl millet to enhance adoption of practices in the field**
- **Enhance global sorghum and pearl millet genetic resources and the conservation of biodiversity**
- **Strengthen human and institutional capacity to sustainably increase the production of sorghum and pearl millet to ensure global food security and reduce poverty.**
- **Strengthen effective partnerships with national and international agencies engaged in the improvement of sorghum and pearl millet production and the betterment of people dependent on these crops for their livelihoods**

Project Workplans Page 2:

INTSORMIL will be evaluated by progress in achieving the stated objectives. Research, technology

transfer activities, and budgets of individual projects must be assigned to specific objectives. Benchmarks, indicators, and throughputs are important and must be stated to allow for progress monitoring during the project. Benchmarks and indicators are measurable and checked annually to see if the project is on track and on time. Throughputs are the results of an activity or project.

D. Work Plan

Do not deviate from the Work Plan guidelines. Provide the information in a concise manner using bullets if possible.

Cover sheet should include:

1. Project Title and Number
2. Principal Investigator and collaborating scientists (with contact information)
3. Executive summary

Project Description

1. Introduction and Justification (background and problem statement)
How will proposed activities contribute to achieving INTSORMIL goals?
2. Objectives and Implementation sites
Include relationship to INTSORMIL Objectives and Targets
3. Research methodology and strategy
Brief workplan for meeting objectives
Description of proposed interdisciplinary team
4. Benchmarks and Indicators, Throughputs
Assign each objective in (c) to a specific objective and target as listed in Table 1 (attached).
Assign indicators to each benchmark to allow for progress monitoring.
5. Identify one or two technologies under the targets developed by your project, which would be appropriate for Impact Assessment.

Example of a Technology

Objective 1: Facilitate the growth of rapidly expanding markets and end use industries for sorghum and pearl millet.

Objective 2: Nutrition Health and Grain Quality

Technology: Processing technology to make high quality sorghum and millet processed foods (e.g. pregelatinized vs. "instant" sorghum, agglomerated products and millet flour for thin and thick porridges.

Potential Impacts:

- a. Increased use of sorghum and millet as a food product.
 - b. Increased nutritional status of rural and urban consumers of sorghum and millet passed food products.
 - c. Increased price of food for quality sorghum and millet grain
 - d. Increased income of producers
 - e. Increased income of entrepreneurs
6. Description of proposed training as listed in Table 2. Benchmarks for Capacity-Building Programs

Project Work Plans Page 3:

E. Budget

Percent of Project Effort (page 2 attached)

Allocate percent of project effort to INTSORMIL objectives

Budget Template (attached)

Submit a budget for this year

Year 1: September 30, 2011 - September 29, 2012

Go to the INTSORMIL website (INTSORMIL.org) for workplan, budget objectives and guidelines.