

Peanut CRSP 2012 Final Report for Project UGA-124

1. Final Summary

a. Brief statement of overall goal

The overall goal of this project is to develop an information network and training program to address the basic principles of peanut production, harvesting, postharvest handling, storage, processing and utilization. This project will serve as the focal point of existing knowledge and new information generated by peanut CRSP projects; it will also provide opportunity for human capacity development and bring knowledge and expertise to partnerships that apply the knowledge to achieve developmental impact.

b. Significant Technical Achievements-Host Country, US

For Objective on “Develop a web-based information distribution system to distribute training information and the latest research findings” and Objective on “Develop an annual train-the-trainer program that covers all the major topics under each of the three major sectors of the peanut value chain from producer values, process value and market expansion, to consumer and social values”; following are the major achievements summarized from the annual reports.

i. Year-1 (2007 to Sept. 30, 2008)

Peanut Information Network System (PINS) was designed as a Web-based system to distribute information on peanut organizations, peanut related publications and training materials. PINS also provides information on world-wide peanut producer, processor and consumer values, peanut meetings and workshops, and other related news and useful links. The PINS web site (www.worldpeanutinfo.com) is scheduled to go on-line in November 2008. Additionally, a searchable database is being developed to manage the submissions.

ii. Year-2 (Oct. 1, 2008 to Sept. 30, 2009)

The Peanut Information Network System (PINS, <http://www.worldpeanutinfo.com>) came online on Nov. 24th, 2008 and was designed as a Web-based system to distribute information on peanut organizations, peanut related publications and training materials. As industry, agriculture and research become more globalized, there is a greater need for global information. Contributing to PINS is one way to help meet the need for global information. An invitation was posted on-line at the PINS website and user can submit information through the online submission system located on the PINS homepage under “Contribute to PINS”.

From January 1, 2009 to Aug. 11th, 2009, PINS website has a total of 19,106 hits with an average of 85 hits per day. The average

length of people visit our web site stayed for 10 min and 44 sec. The top five sections that people accessed were news, followed by peanut-based foods, research and publications, producer values, and processor values.

The 2008 annual Hot Topics on Peanuts was held on September 16th, 2008 from 3 to 5 p.m. at the Country Inn and Suites, Cordele, Georgia. About 90 people attended the conference. Eight speakers were invited and each gave a 10 to 25 min talk.

iii. Year-3 (Oct. 1, 2009 to Sept. 30, 2010)

New information has been added to the Peanut Information Network System (PINS, <http://www.worldpeanutinfo.com>). Additional new sections have also been created and added to the PINS site. Following are some of the major changes to the PINS between July 15, 2009 and July 15th, 2010.

1. A search feature has been added to the web site that users can browse the site by keyword searches.
2. A section on USAID Peanut CRSP has been created under the Research and Publications section describing current and completed projects.
3. A UGA extension publication section has been created under the Research and Publications section.
4. PPT files for the annual Hot Topics on Peanuts have been added under the Training Materials section.
5. PPT files for the annual Seed Summit have been added under the Training Materials Section.
6. A section on peanut-specific farming equipment and equipment manufacturers as well as other equipment useful in peanut farming has been added under the Producer Values
7. A USDA germoplasm data base has been added under the Producer Values section.

From July 15th, 2009 to July 15th, 2010, PINS website has a total of 17,964 visits and 47,394 hits with an average of 49 visits and 130 hits per day. This is significantly higher than the 19,106 hits received over an 8-month period between January and August 2009. The most downloaded file is the 2009 Hot Topics on Peanuts.

The 2009 annual Hot Topics on Peanuts was held on September 15th, 2009 from 3 to 5 p.m. at the Holiday Inn Express, Douglas, Georgia. About 90 people attended the conference. Six speakers were invited and each gave a 15 to 25 min talk. In light of the 2009 peanut butter recalls from the Peanut Corporation of America, the focus of this year's Hot Topics was on food safety.

iv. Year-4 (Oct. 1, 2010 to Sept. 30, 2011)

New information has been added to the Peanut Information Network System regularly throughout the year (PINS, <http://www.worldpeanutinfo.com>). Additional new sections have also been created and added to the PINS site. Following are some of the major changes to the PINS between Aug 1, 2010 and Aug. 1, 2011.

1. APRES annual meeting abstracts from 2003 to 2010 have been added to PINS.
2. A reports section under the Research and Publications has been created to post the reports from Georgia Peanut Commission funded projects, UGA annual peanut research extension reports, and UGA annual peanut updates.
3. A USDA National Peanut Research Lab publications and a Uniform Peanut Performance Tests sections have been created under the Research and Publications section.
4. Under the Producer Values section, Diseases and Pest Management have been separated into two sub-sections.
5. Chemical suppliers' information has been added to the Producer Values section.
6. Peanut processors' information has been added to the Processor Values section.

From August 1, 2010 to August 1, 2011, PINS website has a total of 3,724 visits with 8,356 pageviews.

The 2010 annual Hot Topics on Peanuts was held on September 14th, 2010 from 3 to 5 p.m. at the Sumter County Extension Office, Americus, Georgia. About 90 people attended the conference. Seven speakers were invited and each gave a 15 to 25 min talk. The focus of 2010 Hot Topics was on Harvesting and Postharvest Storage.

v. Year-5 (Oct. 1, 2011 to Dec. 31, 2012)

New information has been added to the Peanut Information Network System regularly throughout the year (PINS, <http://www.worldpeanutinfo.com>). Additional new sections have also been created and added to the PINS site. Following are some of the major changes to the PINS between Oct 1, 2011 and Sept. 30, 2012.

1. Under "Magazines and Journals" in the "Research and Publication" section, abstracts for papers published in Peanut Science from 1986 to 2012 have been added.

2. 2012 “Hot Topics On Peanuts” presentations and programs for the 2012 “Processing for Aflatoxin Elimination in Peanut Products” Workshop in Ghana and 2012 “Processing for Aflatoxin Elimination in Peanut Products and HACCP for the Peanut Processing Industry” in Uganda were posted.
3. Under the “Producer Values” section, more production practices information has been added.
4. Many peanut related news were added into “News” section every week.

From Oct. 1, 2011 and Sept. 30, 2012, PINS website has a total of 6,013 visits with 11,387 page viewed. The top ten viewer countries are: USA, Philippines, India, United Kingdom, Canada, Kenya, Nigeria, China, and Uganda with 83.6% viewers are new visitors and 16.4% viewers are returning visitors.

The 2011 annual meeting on “Hot Topics on Peanuts” was held on September 27th, 2011 from 3 to 5 p.m. in a conference room at the Holiday Inn Express, Bainbridge, Georgia. About 90 people attended the conference. Five speakers were invited and each gave a 15 to 30 min talk. The focus of the 2011 Hot Topics was on “Processing and Quality.”

The 2012 annual Hot Topics on Peanuts was held on September 18th, 2012 from 3 to 5 p.m. at the Merry Acres, Inn, Albany, Georgia. About 100 people attended the conference. Six speakers were invited and each gave a 15 to 25 min talk. The focus of 2012 Hot Topics was on Peanut Disease.

c. Significant Issues/Challenges

The objective on “Develop an annual train-the-trainer program address peanut production, harvesting and storage related topics” was not implemented due to insufficient funding. This objective was modified to organize and sponsor a “Hot Topics on Peanuts” annual conference series at the annual Georgia Peanut Tour to provide latest peanut hot topics information to peanut researchers, trainers, peanut farmer/user associations, news media, and government officials.

d. Capacity development, i.e. laboratory, field, equipment-Host Country, US

N/A

e. Human Capacity/training to be listed in a table that includes:

Name	Gender	Country	Degree program	Completion date	Where trained	Employment of trainees
Brian Waters	Male	USA	Ph.D.	May 2, 2013 (scheduled)	USA	From May 2013 as an Instructor at the

						Ohio State University
Kranti Yemmireddy	Male	India	Ph.D.	Dec. 2014	USA	

f. Key workshops/short-term trainings listed in a table that includes:

	2008 Hot Topics on Peanuts	2009 Hot Topics on Peanuts	2010 Hot Topics on Peanuts	2011 Hot Topics on Peanuts	2012 Hot Topics on Peanuts
Training location	Country Inn and Suites, Cordele, Georgia, USA	Holiday Inn Express, Douglas, Georgia, USA	Sumter County Extension Office, Americus, Georgia, USA	Holiday Inn Express, Bainbridge, Georgia, USA	Merry Acres, Inn, Albany, Georgia, USA
Training type	2-hr presentations	2-hr presentations	2-hr presentations	2-hr presentations	2-hr presentations
Number of male/female participants	72/18	70/20	67/23	65/25	70/30

- g. Publications
www.worldpeanutinfo.com

2. Final Interpretation

a. Importance of Technical Achievements-

The main technical achievement of this project is creating an information network (PINS: www.worldpeanutinfo.com) and host an annual “Hot Topics on Peanuts” conference to present the latest information on peanut production, harvesting, postharvest handling, storage, processing and utilization. The PINS has been serving as the focal point of existing knowledge (all previously funded Peanut-CRSP projects) and new information generated by peanut current CRSP projects. The PINS web site will have a long lasting effect for human capacity development and bring knowledge and expertise to partnerships that apply the knowledge to achieve developmental impact beyond the 5-year project funded period.

b. Importance of physical and human capacity development-

Many students in the US and at the host country (Ghana) have been trained to collect and contribute information to PINS. Two US graduated have been trained to maintain and update PINS web site.

c. Heritage left from workshops and short-term training-

Most of the presentations from the “Hot Topics On Peanuts” conferences from 2004 to 2012 are available on PINS for viewing and download.

d. Heritage left in publications

The PINS web site (www.worldpeanutinfo.com) is still been maintained and accesses by many users all over the world.

3. Final Summary of Accomplishments by Objective

a. Objective on “Develop a web-based information distribution system to distribute training information and the latest research findings.”

The main accomplishment of this objective the development of an information distribution system (PINS: www.worldpeanutinfo.com). This PINS web site has been serving as the focal point of all peanut related information from production, harvesting, storage processing, utilization, health benefit and consumer needs. This web site also provides information from existing knowledge (all previously funded Peanut-CRSP projects) and new information generated by peanut current CRSP projects. The PINS web site will have a long lasting effect for human capacity development beyond the 5-year project funded period.

b. Objective on “Develop an annual train-the-trainer program that covers all the major topics under each of the three major sectors of the peanut value chain from producer values, process value and market expansion, to consumer and social values.”

The annual “Hot Topics on Peanuts” conference creates original summaries on the latest peanut production, harvesting, postharvest handling, storage, processing, and utilization information. All previous conference presentations (from 2004 to 2012) are available on PINS for viewing and download.