

BeanCAP Education Activities



Annual Meeting
San Diego – January 2012



United States Department of Agriculture
National Institute of Food and Agriculture

2011 Activities

1. Hands-on experiences (Internships):

- The most successful activity
 - Undergraduate (full-year and summer)
 - High School (summer)
 - 19 students in 2011.

2. High School Visits:

- Variable results across institutions mainly due to one-to-one contacts with K-12 faculty.
- Visits and presentations in local/regional high schools at each location per year
- Reverse visits from high schools to breeding programs at each university (NE and CO)
- ND more successful at middle and elementary schools (Julie Garden-Robinson)



Facebook: Plant Breeding Fan Group

Plant Breeding Fan Group - Windows Internet Explorer
http://www.facebook.com/#!/groups/Plantbreeding/

Windows Live Bing | What's New Profile Mail Photos Calendar MSN Share | Sign in

Facebook Search

Juan M Osorno Home

Plant Breeding Fan Group
Open Group — Plantbreeding@groups.facebook.com
9 Members Photos Docs

Write Post Add Photo / Video Ask Question

Write something...

Angela Linares Ramirez
Root Biology Introduction by Jimmy Burridge
www.youtube.com
Root Biologist Jimmy Burridge from Penn State gives a motivation for studying root systems, and for the shovelomics process.
Like · Comment · Unfollow Post · Share · December 17 at 8:54pm

Angela Linares Ramirez
BeanCAP Documentaries on Plant Breeding (1 of 3)
www.youtube.com
How can plant breeding help global food problems?
Like · Comment · Unfollow Post · Share · December 17 at 8:42pm

Juan M Osorno
Can GM-free biofortified crops succeed after Golden Rice controversy? - The Ecologist
www.theecologist.org
Plans for GM 'Golden Rice' have divided critics, but Howarth Bouls from HarvestPlus explains why their non-GM biofortified crops with higher portions of key vitamins can succeed in tackling malnutrition in Africa and Asia
Like · Comment · Unfollow Post · Share · December 12 at 3:31pm

Juan M Osorno
Nice TV ad!.... only 30 sec.

Members (9) See All

The main objective of the Plant Breeding Fan Group is to share the experiences and ideas about the science of Plant Breeding. The group will try to create more awareness of the career opportunities that can be found in this area of agricultural sciences and the great impact it can make to the society. In other words, Plant Breeding is fun!

Add Friends to Group

People You May Know See All

Angela Linares Ramirez
12 mutual friends
Add Friend

Santosh Sharma
2 mutual friends
Add Friend

Sponsored See All

Boyfriend Wanted Now
speeddate.com
Don't pay for personals! Meet and chat with local singles in your area. Reg is 100% free via Speed Date tonight!

This is my Victory
sanfordhealth.org
Gracie's incredible attitude helps her recognize victories along her cancer journey. For all the victories you seek, Sanford Cancer.

Ivan Mauricio Ayala Diaz and Cuarteto Ventus are now friends.
Jorge Renza likes Lorena Molina Osorio's status.
Ancizar Lugo likes Yenni Lugo's link.
Felipe Gaviria was tagged in JeSs Rivera Herrera's photo.
Evelyn J. Rosello likes Ytic Elliv's post.
Hector Goicoechea added new photos to the album Belgrado-Budapest 2007.
Giseiry M. Rosa Valentin added a new photo to the album Mobile Uploads.

Acpm Kit
Cielto Arguello Bakken
Clara Tatiana Ballesteros
David Osorno
Erika Jiménez
Ivan Mauricio Ayala Diaz
Joanna Andrea Osorno
Judith Rengifo
Julian Hernandez
Liza Maria Garcia
Maria Davis
Oscar Mondragon
Valerio Hoyos Villegas
Xylenia Amaya-M

Plant Breeding Fan Group

Internet | Protected Mode: On 100%

2011 Activities

4. Creating Awareness at National/Regional meetings:
 - Plant Breeding Coordinating Committee (PBCC)
 - National Association of Plant Breeders (NAPB)





2011 Impact

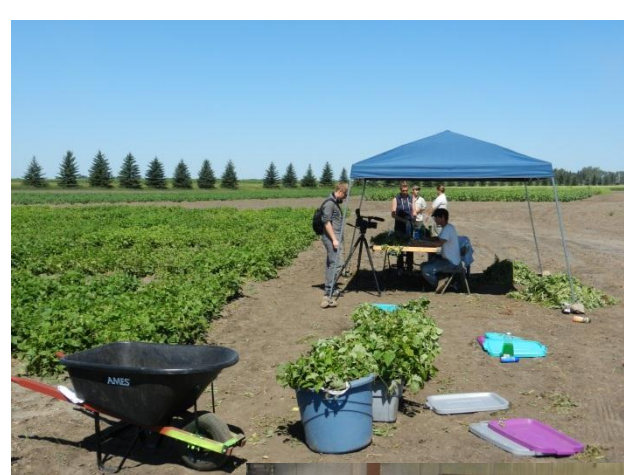


- During 2011, 19 students (high school and undergraduate) across the four locations participated in the internships.
- Up today, a total of 40 students have been part of the internships
- ~170 high school students were exposed to plant breeding (visits).
- Additional outreach at BeanCAP website, Facebook, meetings, conferences, and other recruiting activities.

These are Challenging Activities

- 100% recruitment success would be unrealistic, but...
 - There is a lot of indirect impact:
 - We are informing the public and creating awareness
 - Young students will become voters in the future
 - They will be better informed
 - Some of them will be leaders making final decisions
 - Will create more consciousness about the food chain







a Coordinated Agricultural Project

***SUMMER INTERNSHIP
WITH THE
BEANCAP PROJECT
ALYSSA BOLLIG***

Colorado
State
University



DEPARTMENT OF
SOIL AND CROP SCIENCES

Why Plant Breeding?



- **Exciting and Evolving field**
- **World hunger**
- **Healthier, more nutritious food**
- **High Demand in the U.S. and throughout the world**
- **As much as 80% of packaged foods are genetically modified**

Plant Breeding as a Career

- **Huge outlook in jobs**
 - **Includes many different types of crops, and many different directions**
 - » **Golfing nicest grass**
- **Companies:**
 - **Cargil**
 - **USDA**
 - **Anheuser Busch**
 - **Syngenta**
 - **Universities**
 - **CDC**

Plant Breeding as a Career

- **The science of changing the genetics of plants in order to produce desired characteristics**
- **Try to produce superior plants**
- **Applied research**
- **Field Work**
- **Traveling**

