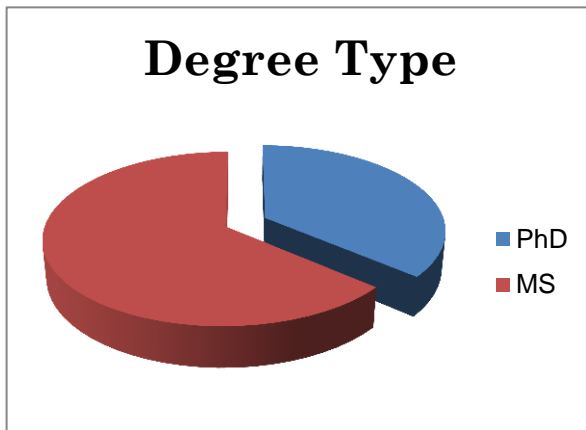


Training and Institutional Capacity Development

Long-Term Training

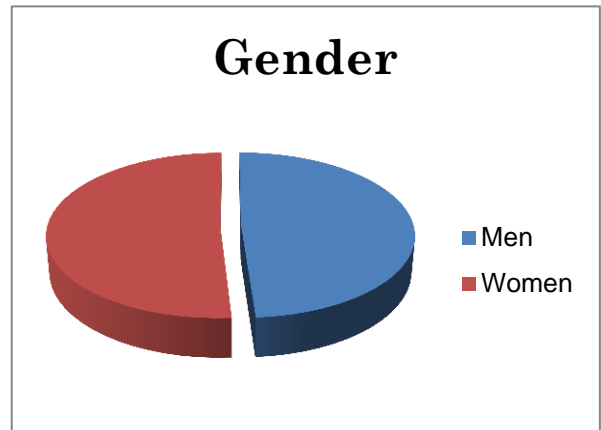
IPM CRSP provides long-term training to build the capacity of the host country scientists who will have major responsibilities for crop protection in their home countries. It is also made available to young U.S. scientists who plan for careers in international crop protection and development work. While addressing a global knowledge base in the U.S. Universities, it addresses specific host country IPM questions, opportunities, and constraints. These programs are designed to meet the needs of host country scientists by integrating with IPM CRSP research carried out by the researchers based at the U.S. universities.

- 6 U.S. Universities and 11 host country universities provided long-term training.
- 47 graduate students (Tables 1 and 2)
- 17 PhD and 30 MS

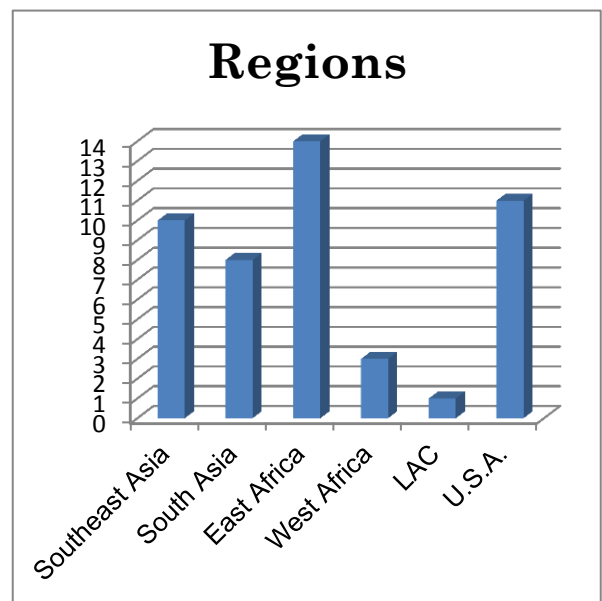


- PhD: 11 men and 6 women
- MS: 12 men and 18 women
- Bachelors: 10 (3 men and 7 women)
- Post Doctoral Research Associate: 1

- Gender ratio of graduate students: men 23, women 24



- Graduate students by region
 - Southeast Asia 10
 - South Asia 8
 - East Africa 14
 - West Africa 3
 - LAC 1
 - U.S.A 11



- Graduate student major subject areas:
 - Agricultural Economics11
 - Entomology14
 - Crop Protection.....5
 - Crop Science6
 - Geography.....3
 - Plant Pathology6
 - Others2

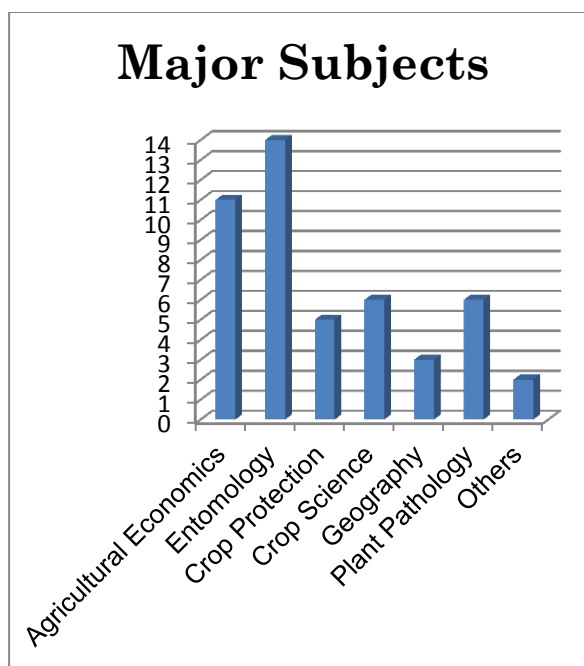


Table 1: Long-Term Training Participants by Country, FY 2010

Program	Doctorate		Masters		Bachelors		Post Docs	Total
	Men	Women	Men	Women	Men	Women		
Bangladesh	1			2				3
Benin			1					1
Honduras					1			1
India	1	1	2					4
Indonesia	1	2	2	5		2		12
Kenya		1		2	1			4
Nepal	1							1
Nigeria							1(M)	1
Peru	1							1
Senegal	2							2
Tanzania	3							3
Uganda			5	3		5		13
U.S.A.	1	2	2	6	1			12
Total	11	6	12	18	3	7	1	58

Table 2: Long-Term Training and Institutional Capacity Development, FY 2010

Student Name	Sex (M/F)	Nationality	Discipline	University	PhD/MS	Start Date	End Date	IPM Program	Guide/Advisor
Umme Habiba	F	Bangladesh	Geography	University of Dhaka	MS	Aug. 2010	May 2012	Gender/ South Asia	Shahnaz Huq – Hussein
M.A.T. Masud	M	Bangladesh	Plant Pathology	Bangabandhu Sheikh Mujibur Rahman Agricultural University	PhD		Sept. 2010	South Asia	David Francis & Sally Miller
Tahera Sultana	F	Bangladesh	Geography	University of Dhaka	MS	Aug. 2010	May 2012	Gender/South Asia	Shahnaz Huq - Hussein
Theodore Nouhoheflin	M	Benin	Agricultural Economics	Virginia Tech	MS	Aug. 2008	Aug. 2010	Impact Assessment	George Norton
Randolfo Mejia	M	Honduras	Plant Pathology	Universidad Nacional de Agricultura (Olancho)	BS	July 2010	Sept. 2010	LAC	Jose C. Melgar
N. Kirithika	F	India	Agricultural Economics	TNAU	PhD	June 2009	April 2012	Impact Assessment	K. Chandran & K.N. Selvaraj
Sudarsan Poojari	M	India	Virology	Washington State Univ.	PhD	Jan. 2009	June 2013	IPVDN (Virus Global Theme)	N. Rayapati
J. Rajesh	M	India	Entomology	TNAU	MS	June 2009	April 2010	South Asia	C. Durairaj
G. Selva Muthu Kumar	M	India	Entomology	TNAU	MS	June 2009	April 2010	South Asia	G. Gajendran
Eva Baideng	F	Indonesia	Entomology	Sam Ratulangi University	PhD	Jan. 2010	Oct. 2012	Southeast Asia	D.T. Sembel
Lydia Ivakdalam	F	Indonesia	IPM	Bogor Agricultural University	MS	2008	2010	Southeast Asia	Aunu Rauf
Yani Maharani	F	Indonesia	Entomology	Bogor Agricultural University	MS	2009	2011	Southeast Asia	Aunu Rauf
Titov Manoi	M	Indonesia	Entomology	Sam Ratulangi University	MS	Feb. 2009	Aug. 2010	Southeast Asia	Dan Sembel
Johanna Mariana	F	Indonesia	Entomology	Sam Ratulangi University	MS	Feb. 2009	Aug. 2010	Southeast Asia	J. Pongoh and D.T. Sembel
Agustriana N. Modjanggo.	F	Indonesia	Agricultural Economics	Sam Ratulangi University	BS	April 2009	Aug. 2010	Southeast Asia	J. Tatuh
Betsy Pinaria	F	Indonesia	Entomology	Sam Ratulangi University	PhD	Jan. 2008	Aug. 2011	Southeast Asia	Saartje Rondonuwu - Lumanau
Nur Pramayudi	F	Indonesia	Entomology	Bogor Agricultural University	MS	2008	2010	Southeast Asia	Aunu Rauf
Yohanes Umbu Rebu	M	Indonesia	Entomology	Bogor Agricultural University	MS	2009	2011	Southeast Asia	Aunu Rauf
Samsudin	M	Indonesia	Entomology	Bogor Agricultural University	PhD	2008	2011	Southeast Asia	Teguh Santoso
Oral Sembeka	F	Indonesia	Agricultural Economics	Sam Ratulangi University	BS	2009	2010	Southeast Asia	J. Tatuh
Deiby Tumilaar	F	Indonesia	Agronomy	Sam Ratulangi University	MS	2008	2010	Southeast Asia	Jantje Pongoh
Joe Ng'ang'a Kahinga	M	Kenya	Horticulture	Jomo Kenyatta University of Agriculture and Technology	BS	June 2010	June 2013	East Africa	Wesonga and M. Waiganjo

Sylvia Nyambura Kuria	F	Kenya	Plant Pathology	Makerere University	MS	Sept. 2010	Sept. 2012	East Africa	G. Tusiime and M. Waiganjo
Pauline Mbinya Mueke	F	Kenya	Entomology	Kenyatta University	MS	June 2010	June 2011	East Africa	J.P. Mbugi and M. Waiganjo
Miriam Otipa	F	Kenya	Plant Pathology	Jomo Kenyatta University of Agriculture and Technology	PhD	Sept. 2008	Sept. 2011	East Africa	Elija Atoka, Edward Mamati, Douglas Miano
Naworaj Acharya	M	Nepal	Entomology	Penn State University	PhD	2010	2014	South Asia	Ed Rajotte
Olufemi J. Alabi	M	Nigeria	Virology	Washington State Univ.	Post Doc.	---	---	IPVDN (Virus Global Theme)	N. Rayapati
Tomas Melgarejo	M	Peru	Virology	University of California – Davis	PhD	Sept. 2009	Aug. 2013	IPVDN (Virus Global Theme)	R. Gilbertson
Djbril Badiane	M	Senegal	Entomology	University of Bamako	PhD	2010	2013	West Africa	Doug Pfeiffer
Kemo Badji	M	Senegal	Entomology	University of Dakar	PhD	2010	2013	West Africa	C.C. Brewster
M. Kilambo	M	Tanzania	Crop Science	Sokoine University of Agriculture	PhD	Nov. 2010	July 2014	East Africa	Maerere and Teri
Godsteven Maro	M	Tanzania	Crop Science	Sokoine University of Agriculture	PhD	Nov. 2010	Sept. 2014	East Africa	A.P. Maerere
Hosea Dustan Mtui	M	Tanzania	Horticulture	Sokoine University of Agriculture	PhD	Oct. 2008	Sept. 2012	East Africa	A.P. Maerere and M. Bennett
Didas Asimwe	M	Uganda	Plant Science	Makerere University	MS	August 2009	Aug. 2011	East Africa	Patrick Rubaihayo & Geoffrey Tusiime
Rosemary Isoto	F	Uganda	Agricultural Economics	Ohio State University	MS	Aug. 2010	Aug. 2011	Impact Assessment	David Krayabill
David Kirunda	M	Uganda	Crop Protection	Makerere University	MS	Aug. 2009	Aug. 2011	East Africa	M.Ochwo-Ssemakula & P. Sseruwagi
Jennifer Lhughabwe	F	Uganda	Crop Protection	Makerere University	BS	Aug. 2010	Aug. 2011	East Africa	G. Tusiime
D. Munyazikiye	M	Uganda	Crop Protection	Makerere University	MS	Aug. 2010	Aug. 2012	East Africa	Geoffrey Tusiime
Zachary Muwnaga	M	Uganda	Crop Protection	Makerere University	MS	Aug. 2009	Aug. 2011	East Africa	Michael Otim & S. Kymanywa
Judith Namara	F	Uganda	Crop Science	Makerere University	BS	July 2010	Aug. 2011	East Africa	Jeninah Karungi
Rosemary Namusisi	F	Uganda	Agricultural Economics	Makerere University	BS	Aug. 2010	Aug.2011	East Africa	J. Bonabana
P. Nansamba	F	Uganda	Crop Science	Makerere University	BS	Aug. 2010	Aug. 2011	East Africa	G. Tusiime
Robinah Natukunda	F	Uganda	Crop Science	Makerere University	MS	Aug. 2010	Aug. 2013	East Africa	Mildred Ochwo-Ssemakula
Malson Natuhwera	F	Uganda	Agricultural Economics	Makerere University	BS	Aug. 2010	Dec. 2010	East Africa	J. Bonabana
Charles Ssemwogerere	M	Uganda	Crop Protection	Makerere University	MS	Aug. 2010	Aug. 2012	East Africa	S. Kymanywa
Amy Buckmaster	F	USA	Agricultural Economics	Virginia Tech	MS	Aug. 2010	Aug. 2012	LAC	Jeffrey Alwang
Megan Byrne	F	USA	Public and International Affairs	Virginia Tech	MS	Aug. 2009	May 2011	Gender/ LAC	Maria Elisa Christie

Hillary Kessler Cheeseman	F	USA	Plant Pathology	Penn State University	PhD	Aug. 2010	Dec. 2015	LAC	Paul Backman & Beth Gugino
Cody Dunn	M	USA	Mechanical Engineering	Virginia Tech	BS	Aug. 2007	May 2012	LAC/Gender	Jeff Alwang
Leah Harris	F	USA	Agricultural Economics	Virginia Tech	MS	Aug. 1009	July 2011	Impact Assessment	George Norton
Kellyn Montgomery	F	USA	Geography	Virginia Tech	MS	Aug. 2007	Dec. 2010	Gender/ East Africa	Maria Elisa Christie
Emily E. Pfeufer	F	USA	Plant Pathology	Penn State University	PhD	Aug. 2010	Dec. 2015	LAC	Beth K. Gugino
Devon Prater	F	USA	Urban Affairs and Planning	Virginia Tech	MS	Aug. 2009	May 2011	Gender/Southeast Asia	Maria Elisa Christie
William Secor	M	USA	Agricultural Economics	Virginia Tech	MS	June 2010	Aug. 2011	Gender/LAC	Jeffrey Alwang
Andrew Sowell	M	USA	Agricultural Economics	Purdue University	MS	Aug. 2009	Aug. 2011	LAC	Shively/Alwang/Weller
Adam Sparger	M	USA	Agricultural Economics	Virginia Tech	PhD	Aug. 2009	Aug. 2012	LAC	Jeffrey Alwang
Anna Testen	F	USA	Plant Pathology	Penn State University	MS	Aug. 2010	Dec. 2012	LAC	Paul Backman & Beth Gugino