

# **Educational Activities**





## Educational Activities

INTSORMIL gives high priority to training host country scientists who will have major responsibilities for sorghum and millet research in their home countries. Training is also provided for young U.S. scientists who plan for careers in international development work.

The most frequently used mode of training is graduate study for advanced degrees, with the students' research forming an integral part of an INTSORMIL project. During the years covered by this report, 40 students were enrolled in an INTSORMIL advanced degree program. Approximately 73% of these students come from countries other than the U.S. which shows the emphasis placed on host country institutional development (Figure 1).

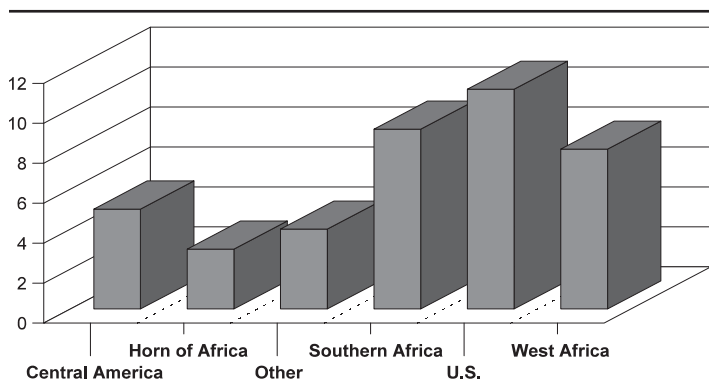


Figure 1. Degree Participants by Region

INTSORMIL also places a high priority on training women which is reflected in Figure 2. From 2008-2009, 48% of all INTSORMIL graduate participants were female. Thirty-seven of the 40 students received partial INTSORMIL funding and 3 received full INTSORMIL scholarships.

All 40 students worked directly with INTSORMIL principal investigators on INTSORMIL projects. These students are enrolled in graduate programs in seven disciplinary areas, agronomy, animal nutrition, breeding, economics, entomology, food science, and pathology.

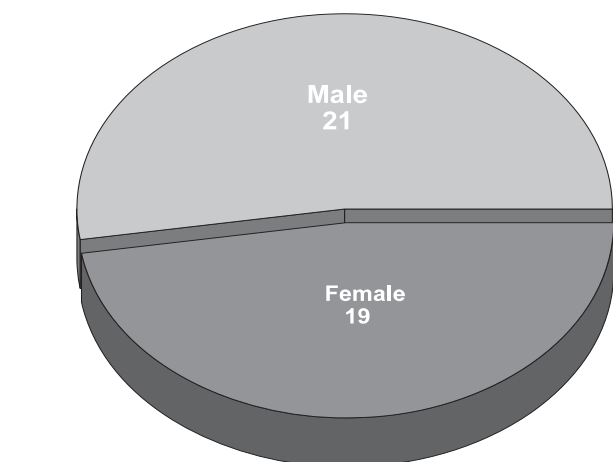


Figure 2. Degree Participants by Gender

The number of INTSORMIL funded students has decreased gradually over the years. This is related to decreases in program budget and the loss of U.S. principal investigators. In 1993-94 there were 25 U.S. PIs with the program and in 2008-2009 there were 16.

Graduate degree programs and short-term training programs have been designed and implemented on a case by case basis to suit the needs of host country scientists. Two postdoctoral scientists and 8 visiting host country scientists were provided the opportunity to upgrade their skills in this fashion from 2008-2009.

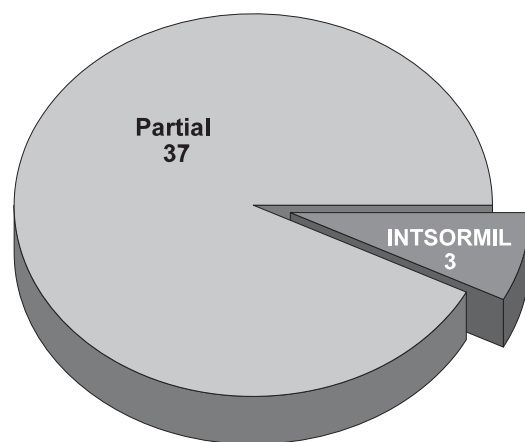


Figure 3. Degree Participants Funding

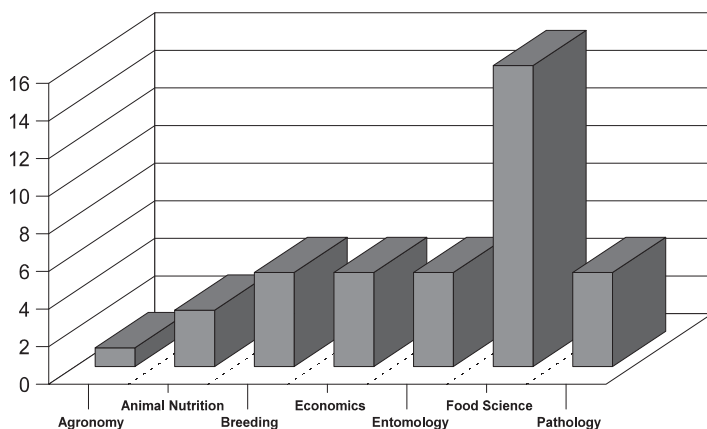


Figure 4. Degree Participants by Discipline

**Year 3 INTSORMIL Degree  
Training Participants  
September 30, 2008 – September 29, 2009**

Name	Country	Univ.	Discipline	Advisor	Degree	Gender	Funding
Abunyewa, Akwasi	Ghana	UNL	Agronomy	Charles Wortmann	Ph.D.	M	P
Paulik, Chad	USA	KSU	Animal Nutrition	Joe Hancock	M.S.	M	P
Feoli, Carolina	Costa Rica	KSU	Animal Nutrition	Joe Hancock	Ph.D.	F	P
Issa, Salissou	Niger	KSU	Animal Nutrition	Joe Hancock	Ph.D.	M	I
Barrero Farfan, Ivan	Colombia	PRF	Breeding	Mitch Tuinstra	M.S.	M	P
Hayes, Chad	USA	TAMU	Breeding	William Rooney	M.S.	M	P
Amusan, Idris	Nigeria	PRF	Breeding	Gebisa Ejeta	Ph.D.	M	P
Corn, Rebecca	USA	TAMU	Breeding	William Rooney	Ph.D.	F	P
Packer, Dan	USA	TAMU	Breeding	William Rooney	Ph.D.	M	P
Chimai, Bernadette	Zambia	OSU	Economics	Erbaugh/Larson	M.S.	F	P
Mgaya, Joseph	Tanzania	OSU	Economics	Erbaugh/Larson	M.S.	M	P
Coulbaly, Jeanne	Coite d'Ivoire	PRF	Economics	John Sanders	Ph.D.	F	P
Ibrahim, Abdoulaye	Niger	PRF	Economics	John Sanders	Ph.D.	M	P
Makindara, Jeremia	Tanzania	OSU	Economics	Erbaugh/Larson	Ph.D.	M	P
Gilchrest, Jody	USA	WTAMU	Entomology	Bonnie Pendleton	B.S.	F	P
Diarra, Drissa	Mali	WTAMU	Entomology	Bonnie Pendleton	M.S.	M	I
Eder, Zachary	USA	WTAMU	Entomology	Bonnie Pendleton	M.S.	M	P
Garzon, Camilo	Colombia	WTAMU	Entomology	Bonnie Pendleton	M.S.	M	P
Vyavhare, Suhas	India	WTAMU	Entomology	Bonnie Pendleton	M.S.	M	P
Boswell, Sara	USA	TAMU	Food Science	Lloyd Rooney	M.S.	F	P
Cardenas, Ana	Mexico	TAMU	Food Science	Lloyd Rooney	M.S.	F	P
Chiremba, Constance	Zambia	TAMU	Food Science	John Taylor	M.S.	F	P
Cholewinski, Jennifer	USA	PRF	Food Science	Bruce Hamaker	M.S.	F	P
Gritsenko, Maria	Russia	TAMU	Food Science	Lloyd Rooney	M.S.	F	P
Jacobs, Helena	South Africa	U of Pretoria	Food Science	John Taylor	M.S.	F	P
Mella, Onesmo	Tanzania	UNL	Food Science	David Jackson	M.S.	M	I
Mugode, Luke	Zambia	U of Pretoria	Food Science	John Taylor	M.S.	M	P
Taleon, Victor	Guatemala	TAMU	Food Science	Lloyd Rooney	M.S.	M	P
Asif, Muhammad	Pakistan	TAMU	Food Science	Lloyd Rooney	Ph.D.	M	P
Austin, Dilek	USA	TAMU	Food Science	Lloyd Rooney	Ph.D.	M	P
Chiremba, Constance	Zambia	U of Pretoria	Food Science	John Taylor	Ph.D.	F	P
Diarra, Mohamed	Mali	PRF	Food Science	Bruce Hamaker	Ph.D.	F	P
Hikeezi, Doreen	Zambia	U of Pretoria	Food Science	John Taylor	Ph.D.	F	P
Mkandawire, Nyambe	Zambia	UNL	Food Science	David Jackson	Ph.D.	F	P
Njongmeta, Nenge	Cameroon	TAMU	Food Science	Lloyd Rooney	Ph.D.	F	P
Fuentes-Bueno, Irazeuma	USA	KSU	Plant Pathology	John Leslie	M.S.	F	P
Bushula, Vuyiswa	South Africa	KSU	Plant Pathology	John Leslie	Ph.D.	F	P
Mpofu, Leo	Zimbabwe	U of Free State	Plant Pathology	Neil McLaren	Ph.D.	M	P
Nor, Nik	Malaysia	KSU	Plant Pathology	John Leslie	Ph.D.	M	P
Schafert, Caitlin	USA	KSU	Plant Pathology	John Leslie	Ph.D.	F	P

I = Completely funded by INTSORMIL

P = Partially funded by INTSORMIL

IC = InterCRSP funding

KSU = Kansas State Univ.

TAM = Texas A&amp;M Univ.

USDA = Tifton, Georgia

OSU = Ohio State Univ.

TTU = Texas Tech Univ.

WTU = W. Texas A&amp;M Univ.

PRF = Purdue Univ.

UNL = Univ. of Nebraska - Lincoln

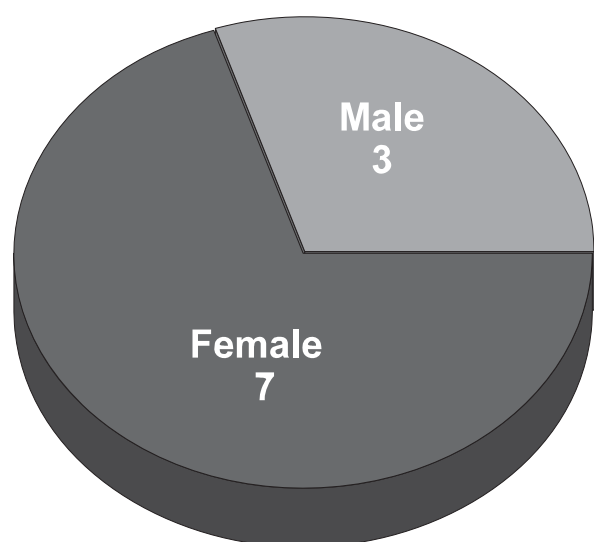
**Year 3 INTSORMIL Non-Degree  
Training Participants  
September 30, 2008 – September 29, 2009**

Name	Country	Univ.	Discipline	Advisor	Activity	Gender	Funding
Mutwale, Mercy Nkumbu	Zambia	UNL	Agronomy	Wortmann	VS	F	P
Dighe, Nilesh	India	TAMU	Breeding	Rooney, W	PD	M	P
Hien Yeri, Esther	Burkina Faso		Food Science	Bougouma	VS	F	P
Hoang, Kim	USA	TAMU	Food Science	Rooney, L	VS	F	P
Rodriguez, Alecia	El Salvador	TAMU	Food Science	Rooney, L	VS	F	P
Saleh, Amgad	Egypt	KSU	Plant Pathology	Leslie	PD	M	P
Hachibamba, Twambo	Zambia	KSU	Plant Pathology	Leslie	VS	F	P
Manani, Tinna	Malawi	KSU	Plant Pathology	Leslie	VS	F	P
Postic, Jelena	Croatia	KSU	Plant Pathology	Leslie	VS	F	P
Tok, Faith	Turkey	KSU	Plant Pathology	Leslie	VS	M	P

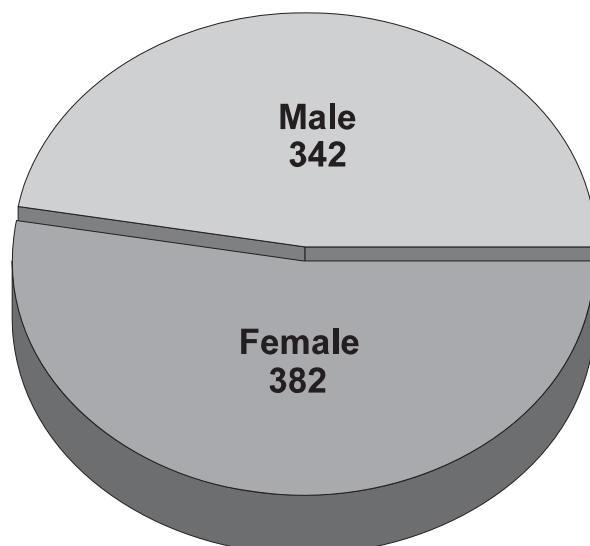
**VS = Visiting Scientist PD = Post Doctoral**

**Year 3 INTSORMIL  
Conference/Workshop Activities  
September 30, 2008– September 29, 2009**

Participants					
Name	Location	Date	Male	Female	Total
Scientific Writing Workshop	Various	November 2, 2008	54	42	96
Scientific Writing Workshop II	South Africa	November 13, 2008	17	19	36
Camilo Garzon	Nevada	November 16-19,	1	0	1
Scientific Writing Workshop	Korea	January 15, 2009	98	117	215
Zachary Eder	Oklahoma	February 23-26,	1	0	1
Camilo Garzon	Oklahoma	February 23-26,	1	0	1
Scientific Writing Workshop	Brazil	April 3, 2009	22	24	46
Scientific Writing Workshop	Brazil	April 6, 2009	22	25	47
Tropical Fusarium Workshop	Brazil	April 7-10, 2009	18	14	32
Scientific Writing Workshop	Various	June 2, 2009	94	124	218
Fusarium Laboratory Workshop	Kansas	June 21-26, 2009	12	16	28
Zachary Eder	Texas	August 10-12, 2009	1	0	1
Suhas Vyavhare	Texas	August 10-12, 2009	1	0	1
Jody Gilchrest	Texas	August 10-12, 2009	0	1	1
<b>TOTAL</b>			<b>342</b>	<b>382</b>	<b>724</b>



**Figure 5. Total Non-Degree Participants by Gender**



**Figure 6. Total Conference/Workshop Participants by Gender**

