

Year 24 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 year covered by this report, 58 students from 21 different countries were enrolled in an INTSORMIL advanced degree program. Approximately 72% of these students come from countries other than the U.S. which shows the emphasis placed on host country institutional development (Figure 1).

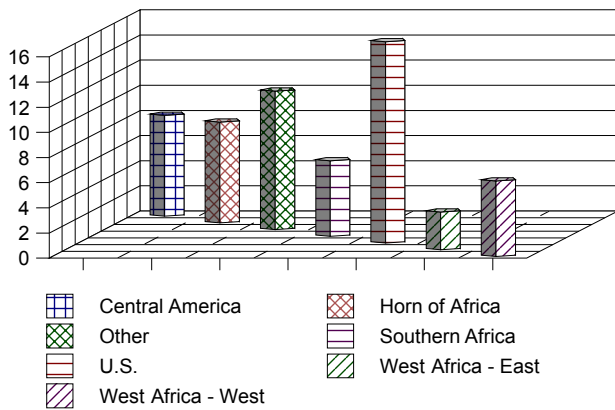


Figure 1. Degree Participants by Region.

INTSORMIL also places a high priority on training women which is reflected in Figure 2. In 2002-2003, 24% of all INTSORMIL graduate participants were female. Twelve of the total 58 students received full INTSORMIL scholarships. An additional 43 students received partial INTSORMIL funding and the remaining four students were funded from other sources as shown in Figure 3.

All 58 students worked directly with INTSORMIL principal investigators on INTSORMIL projects. These students are enrolled in graduate programs in eight disciplinary areas, agronomy, animal nutrition, breeding, pathology, entomology, food quality, economics, and molecular biology.

The number of INTSORMIL funded students has decreased gradually over the years. This is related to decreases in program budget and lower numbers of U.S. principal investigators. In 1993-94 there were 25 U.S. PIs with the program and in 2002-2003 there were 18.

Graduate degree programs and short-term training programs have been designed and implemented on a case by case

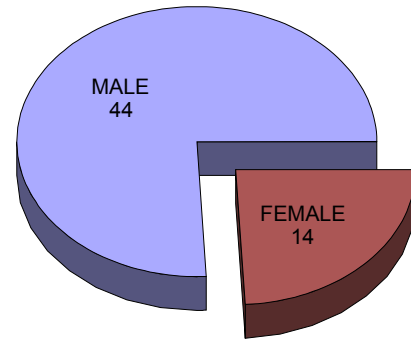


Figure 2. Degree Participants by Gender.

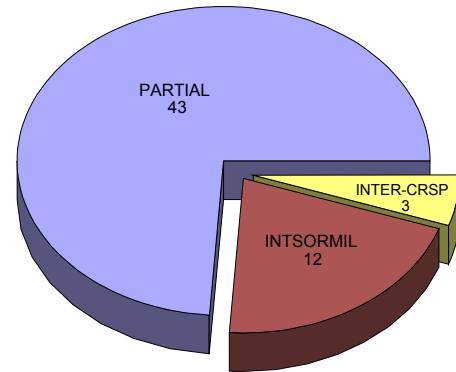


Figure 3. Degree Participants Funding

basis to suit the needs of host country scientists. Five post doctoral scientists and 12 visiting host country scientists were provided the opportunity to upgrade their skills in this fashion during 2002-2003.

Figure 4 is a compilation of all INTSORMIL training activities by discipline for the period July 1, 2002 through June 30, 2003.

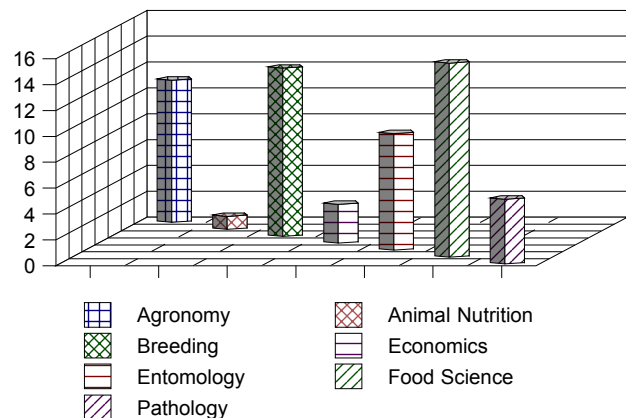


Figure 4. Degree Participants by Discipline

**Year 24 INTSORMIL Degree
Training Participants
July 1, 2002 - June 30, 2003**

Name	Country	Univ.	Discipline	Advisor	Degree	Gender	Funding
Kathol, Delon	U.S.	UNL	Agronomy	Mason	MSC	M	P
Kaye Mady, Nanga	Chad	UNL	Agronomy	Mason	MSC	M	P
Mesfin, Tewodros	Ethiopia	UNL	Agronomy	Wortmann/Mamo	MSC	M	P
Miller, Greg	U.S.	UNL	Agronomy	Wortmann/Mamo	MSC	M	P
Ngulube-Msikita, R.	Zambia	UNL	Agronomy	Eastin	MSC	F	I
Tesfahunen, G.B.	Ethiopia	UNL	Agronomy	Wortmann/Mamo	MSC	M	P
Xerinda, Soares	Mozambique	UNL	Agronomy	Wortmann/Mamo	MSC	M	IC
Daniel, Christian	St Lucia	UNL	Agronomy	Wortmann/Mamo	PHD	M	P
Maman, Nouri	Niger	UNL	Agronomy	Mason	PHD	M	P
Quincke, Andreas	Uruguay	UNL	Agronomy	Wortmann/Mamo	PHD	M	P
Regassa, Teshome	Ethiopia	UNL	Agronomy	Maranville	PHD	M	I
Baudon, Edouard	France	KSU	Animal Nutrition	Hancock	MSC	M	P
Kriegshauser, Travis	U.S.	KSU	Breeding	Tuinstra	MSC	M	P
McCartor, Kayla	U.S.	TTU	Breeding	Rosenow	MSC	F	P
Mutaliano, Joaquim	Mozambique	TAM	Breeding	W. Rooney	MSC	M	IC
Stamm, Michael	U.S.	KSU	Breeding	Tuinstra	MSC	M	P
Teme, Niaba	Mali	TTU	Breeding	Rosenow	MSC	M	P
Coulibaly, Sidi B.	Mali	TTU	Breeding	Rosenow/Peterson	PHD	M	P
Ellicott, Alexis	U.S.	PRF	Breeding	Ejeta	PHD	F	P
Franks, Cleve	U.S.	TAM	Breeding	W. Rooney/Rosenow	PHD	M	P
Knoll, Joseph	U.S.	PRF	Breeding	Ejeta	PHD	M	I
Krishnamorthy, G.	India	TAM	Breeding	W. Rooney/Rosenow	PHD	M	P
Mateo, Rafael	Honduras	TAM	Breeding	W. Rooney	PHD	M	I
Teme, Niaba	Mali	TTU	Breeding	Rosenow	PHD	M	I
Traore, Karim	Mali	TAM	Breeding	Rosenow/Peterson	PHD	M	P
Uaiene, Rafael	Mozambique	PRF	Economics	Sanders	MSC	M	IC
Wubeneh, Nega	Ethiopia	PRF	Economics	Sanders	MSC	M	I
Tahirou, Abdoulaye	Niger	PRF	Economics	Sanders	PHD	M	I
Ayyanath, M.	India	WTU	Entomology	Pendleton	MSC	M	P
Chitio, Fernando	Mozambique	WTU	Entomology	Pendleton	MSC	M	P
Palousek, Anastasia	U.S.	WTU	Entomology	Pendleton	MSC	F	P
Sambaraju, Kishan	India	WTU	Entomology	Pendleton	MSC	M	P
Traore, Tiecoura	Mali	WTU	Entomology	Pendleton	MSC	M	I
Veerabomma, Suresh	India	WTU	Entomology	Pendleton	MSC	M	P
Gorena, Roberto	U.S.	TAM	Entomology	Peterson	PHD	M	P
Johnson, Zeledon	Nicaragua	MSU	Entomology	Pitre	PHD	M	I
Pichard, Sergio	Nicaragua	MSU	Entomology	Pitre/Clafin	PHD	M	P
Acosta, David	Mexico	TAM	Food Science	L. Rooney	MSC	M	P
Barron, Marc	U.S.	TAM	Food Science	L. Rooney/M. Riaz	MSC	M	P
Barth, Alison	U.S.	PRF	Food Science	Hamaker	MSC	F	P
Cedillo, Guisselle	Mexico	TAM	Food Science	L. Rooney	MSC	F	P
Garza, Jessica	Mexico	TAM	Food Science	L. Rooney/R. Waniska	MSC	F	P
Maladen, Michelle	India	PRF	Food Science	Hamaker	MSC	F	P
Maranphal, Nitit	Thailand	TAM	Food Science	L. Rooney	MSC	M	P
Suhendra, Budhi	Indonesia	PRF	Food Science	Hamaker	MSC	M	P
Rudiger, Crystal	U.S.	TAM	Food Science	L. Rooney	MSC	F	P
Turner, Duane	U.S.	TAM	Food Science	L. Rooney	MSC	M	P
Wortham, Lindsay	U.S.	TAM	Food Science	L. Rooney	MSC	F	P
Awika, Joseph	Kenya	TAM	Food Science	L. Rooney/R. Waniska	PHD	M	P
Bueso, Francisco	Honduras	TAM	Food Science	L. Rooney/R. Waniska	PHD	M	P
Bugusu, Betty	Kenya	PRF	Food Science	Hamaker	PHD	F	I
Dykes, Linda	U.S.	TAM	Food Science	L. Rooney/R. Waniska	PHD	F	P
Viswanathan, A.	India	TAM	Molecular Biology	Magill	MSC	F	P
Cho, Jae-Min	Korea	TAM	Molecular Biology	Magill	PHD	M	P
Katile, Seibe	Mali	TAM	Molecular Biology	Magill	PHD	M	I
Sabry, Ahmed	Egypt	TAM	Molecular Biology	Magill	PHD	M	P
Ditshipi, Phoebe	Botswana	UFS	Pathology	McLaren/Swart	PHD	F	I
Salah, Amgad	Egypt	KSU	Pathology	Leslie	PHD	M	P

I = Completely funded by INTSORMIL P = Partially funded by INTSORMIL IC = InterCRSP funding

**KSU = Kansas State Univ.
MSU = Mississippi State Univ.
PRF = Purdue Univ.**

**TAM = Texas A&M Univ. USDA = Tifton, Georgia
TTU = Texas Tech Univ. WTU = W. Texas A&M Univ.
UNL = Univ. of Nebraska, Lincoln**

**Year 24 INTSORMIL Non-Degree
Training Participants
July 1, 2002 - June 30, 2003**

Name	Country	Univ.	Discipline	Advisor	Activity	Gender	Funding
Hess, Dale	U.S.	PRF	Breeding	Ejeta	PD	M	I
Tesso, Tesfaye	Ethiopia	PRF	Breeding	Ejeta	PD	M	P
Ditshipi, Phoebe	Botswana	TAM	Breeding	Peterson	VS	F	I
Kapran, Issoufou	Niger	PRF	Breeding	Ejeta	VS	M	I
Kaula, Godwin	Zambia	TAM	Breeding	Peterson	VS	M	I
McLaren, Neal	South Africa	TAM	Breeding	Peterson	VS	M	I
Mpofu, Leo	Zimbabwe	TAM	Breeding	W. Rooney	VS	M	P
Belay, Amare	Ethiopia	PRF	Economics	Sanders	VS	M	I
Georgis, Kidane	Ethiopia	PRF	Economics	Sanders	VS	M	I
Benmoussa, Mustapha	Indonesia	PRF	Food Science	Hamaker	PD	M	P
N'Doye, Ababacar	Senegal	PRF	Food Science	Hamaker	VS	M	P
Zeller, Kurt	U.S.	KSU	Pathology	Leslie	PD	M	P
Gutierrez, Yanet	Nicaragua	KSU	Pathology	Claflin	VS	F	I
Jurgenson, Jim	U.S.	KSU	Pathology	Leslie	VS	M	P
Mule, Giuseppe	Italy	KSU	Pathology	Leslie	VS	M	P
Narro, Jesus	Mexico	KSU	Pathology	Claflin	VS	M	I
Traore, Hamidou	Burkina Faso	PRF	<i>Striga</i> Research	Ejeta	PD	M	P

VS = Visiting Scientist PD = Post Doctoral

**Year 24 INTSORMIL
Conference/Workshop Activities
July 1, 2002 - June 30, 2003**

Name	Location	Date	Participants		
			Male	Female	Total
Casteñeda, José W.	El Salvador	April, 2003	1	0	1
Grenier, Cecile	Uganda	Nov. 1 - Nov. 27, 2002	0	1	1
Pichardo, Sergio T.	Nicaragua	June 22 - 27, 2003	1	0	1
Sirifi, Seyni	Niger	October, 2003	1	0	1
Ethiopia First National Workshop	Nazret, Ethiopia	Nov. 12 - 14, 2002	4	2	6
Green Revolution/Gene Revolution	Bologna, Italy	May 28 - 31, 2003	5	0	5
INTSORMIL PI Conference	Addis Ababa, Ethiopia	Nov. 18 - 20, 2002	130	17	147
Fusarium Workshop	Manhattan, Kansas	June 23 - 28, 2003	20	22	42
Scientific Workshop	Penang, Malaysia	February 4, 2003	30	20	50
Scientific Workshop	Seoul, South Korea	February 6, 2003	30	40	70
Scientific Workshop	Ibadan, Nigeria	April 30, 2003	40	34	74
TOTAL			262	136	398

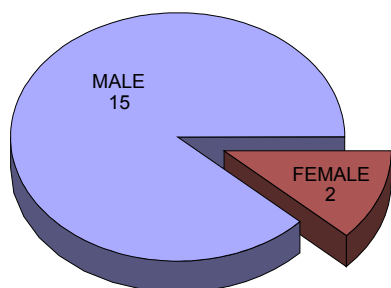


Figure 5. Total Non-Degree Participants by Gender

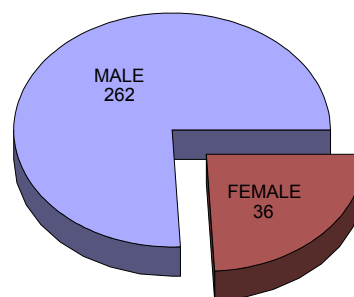


Figure 6. Total Conference/Workshop Participants by Gender