

APPENDIX A

Survey sites used for MIP assessment of Ugandan banana farm soils

Sample*	Banana Genotype	District	Area	Farmer	Age of farm (yrs)	Latitude	Longitude	Elevation	Soil Temp °C	Observations
BLWD	AAA	Luwero	Kiteme	E. Kalibala	4	0 43 580	32 37 112	3500	20	Intercrop with coffee.
BLWD	ABB	Luwero	Kugu	C. Nanyombi	50	0 41 808	32 31 342	4000	20	Intercrop with coffee.
CLWG	AAA	Luwero	Kiteme	A. Sebyala	UN	0 32 867	32 47 025	4000	20	No intercrop.
CLWD	ABB	Luwero	Kalule	C. Semambo	12	0 38 002	32 31 931	4000	20	Intercrop with coffee.
AMSD	AAA	Masaka	Kyabakuza	Mr Charu	UN	0 19 681	31 42 066	3800	26	Intercrop with coco-yam, coffee, pineapple.
AMSD	ABB	Masaka	Selinya	B. Kwaso	26	0 17 236	31 39 716	4300	26	Intercrop with coco-yam, coffee.
CMSG	AAA	Masaka	Mwalu	F Nyombi	14	0 19 293	31 42 357	4400	22	Intercrop with coco-yam, cassava.
CMSG	ABB	Masaka	Mwalu	F Nyombi	14	0 19 293	31 42 357	4400	22	No inter crop.
AKBG	AAA	Kabale	Kitaburaza	P Barekye	75	1 13 34	30 07 031	6600	19	Intercrop with coco-yam.
AKBG	ABB	Kabale	Kitaburaza	P Barekye	75	1 13 34	30 07 031	6600	19	Intercrop with coco-yam.
CKBG	AAA	Kabale	Kayorero	F Kandali	150	1 12 998	30 07 682	5900	18	No inter crop.
CKBG	ABB	Kabale	Kayorero	F Kandali	150	1 12 998	30 07 682	5900	18	Intercrop with coco-yam, granadilla.
ANTG	AAA	Ntungamo	Karegeya	Kamugisha	10	0 52 758	30 14 182	4900	20	No inter crop.
ANTD	ABB	Ntungamo	Kabagenda	Bweseri	15	0 54 208	30 15 116	4600	19	No inter crop. Farm overgrown with weeds.
BNTG	AAA	Ntungamo	Ruguma	F Mujuni	9	0 52 764	30 13 998	4200	20	No inter crop.
BNTG	ABB	Ntungamo	Ruguma	F Mujuni	9	0 52 764	30 13 998	4200	20	No inter crop.
CNTD	AAA	Ntungamo	Ntungamo	Kashamba	12	0 52 600	30 15 836	4900	18	No inter crop. Farm overgrown with weeds.
CNTD	ABB	Ntungamo	Kabagenda	Kizungu	23	0 54 331	30 14 787	4900	19	No inter crop. Farm overgrown with weeds.

* See notation below Table 1. UN = Unknown.

APPENDIX B

Occurrence of AMF species in Africa

AMF species	Country(s) recorded	Author(s)
<i>Acaulospora delicata</i> Walker, Pfeiffer & Bloss	Sudan	Ba <i>et al.</i> , 1996
<i>Acaulospora foveata</i> Trappe & Janos	Ivory Coast	Wilson <i>et al.</i> , 1992
<i>Acaulospora laevis</i> Gerdemann & Trappe	Cameroon	Mason <i>et al.</i> , 1992
<i>Acaulospora mellea</i> Spain & Schenck	Cameroon Ivory Coast	Mason <i>et al.</i> , 1992; Wilson <i>et al.</i> , 1992
<i>Acaulospora morrowiae</i> Spain & Schenck	Namibia Cameroon	Stutz <i>et al.</i> , 2000; Mason <i>et al.</i> , 1992
<i>Acaulospora scrobiculata</i> Trappe	Cameroon Ivory Coast	Mason <i>et al.</i> , 1992; Wilson <i>et al.</i> , 1992
<i>Acaulospora spinosa</i> Walker & Trappe	Cameroon Ivory Coast	Mason <i>et al.</i> , 1992; Wilson <i>et al.</i> , 1992
<i>Acaulospora trappei</i> Ames & Linderman	Namibia	Stutz <i>et al.</i> , 2000
<i>Acaulospora undulata</i> Sieverding	Zaire	Sieverding, 1988
<i>Gigaspora albida</i> Schenck & Smith	South Africa Senegal	Gaur <i>et al.</i> , 1999; Dalpe <i>et al.</i> , 2000
<i>Gigaspora calospora</i> (Nicolson & Gerd.) Gerd.	Libya	El-Giahmi <i>et al.</i> , 1976
<i>Gigaspora coralloidea</i> Gerdemann & Trappe	Nigeria	Sani, 1976a
<i>Gigaspora gigantea</i> (Nicol. & Gerd.) Gerd. & Trappe	Nigeria Libya	Sani, 1976b El-Giahmi <i>et al.</i> , 1976
<i>Gigaspora gilmorei</i> Gerdemann & Trappe	Nigeria	Sani, 1976a
<i>Gigaspora margarita</i> Becker & Hall	South Africa Senegal Sudan	Gaur <i>et al.</i> , 1999; Dalpe <i>et al.</i> , 2000; Ba <i>et al.</i> , 1996
<i>Glomus aggregatum</i> Schenck & Smith	Senegal Sudan	Dalpe <i>et al.</i> , 2000; Ba <i>et al.</i> , 1996
<i>Glomus avelingiae</i> sp. nov. RC Sinclair	South Africa	Sinclair <i>et al.</i> , 2000
<i>Glomus caledonium</i> (Nicol. & Gerd.) Trappe & Gerd.	Senegal Libya	Dalpe <i>et al.</i> , 2000; El-Giahmi <i>et al.</i> , 1976
<i>Glomus callosum</i> Sieverding	Zaire, Rwanda	Sieverding, 1988

<i>Glomus claroideum</i> Schenck & Smith	Senegal	Diallo <i>et al.</i> , 1999
<i>Glomus clavisporum</i> (Trappe) Almeida & Schenck	Cameroon Ivory Coast	Mason <i>et al.</i> , 1992; Wilson <i>et al.</i> , 1992
<i>Glomus constrictum</i> Trappe	Senegal Ivory Coast	Diallo <i>et al.</i> , 1999; Wilson <i>et al.</i> , 1992
<i>Glomus eburneum</i> sp. nov. Kennedy, Stutz & Morton	Namibia	Stutz <i>et al.</i> , 2000
<i>Glomus etunicatum</i> Becker & Gerdemann	South Africa Namibia	Gaur <i>et al.</i> , 1999; Stutz <i>et al.</i> , 2000;
<i>Scutellospora coralhidea</i> (Trappe, Gerd. & Ho) Walker & Sanders	Cameroon Ivory Coast Senegal	Mason <i>et al.</i> , 1992; Wilson <i>et al.</i> , 1992; Ginwal <i>et al.</i> , 1997
<i>Glomus fasciculatum</i> (Thaxter) Gerd. & Trappe emend. Walker & Koske	Nigeria Senegal Cameroon Egypt Libya	Sani 1976a Dalpe <i>et al.</i> , 2000; Mason <i>et al.</i> , 1992; Mankarios and Abdel- Fattah, 1994; El-Giahmi <i>et al.</i> , 1976
<i>Glomus geosporum</i> (Nicol. & Gerd.) Walker	Cameroon Sudan	Mason <i>et al.</i> , 1992; Ba <i>et al.</i> , 1996
<i>Glomus intraradices</i> Schenck & Smith	South Africa Namibia Senegal	Gaur <i>et al.</i> , 1999; Stutz <i>et al.</i> , 2000; Diallo <i>et al.</i> , 1999
<i>Glomus lamellosum</i> Dalpe, Koske & Tews	Sudan	Ba <i>et al.</i> , 1996
<i>Glomus macrocarpum</i> Tulasne & Tulasne	Cameroon Libya	Mason <i>et al.</i> , 1992; El-Giahmi <i>et al.</i> , 1976
<i>Glomus manihotis</i> Howeler, Sieverding & Schenck	Sudan	Ba <i>et al.</i> , 1996
<i>Glomus microaggregatum</i> Koske, Gemma & Olexia	Namibia	Stutz <i>et al.</i> , 2000
<i>Glomus monosporum</i> Gerdemann & Trappe	Ivory Coast	Wilson <i>et al.</i> , 1992
<i>Glomus mosseae</i> (Nicol. & Gerd.) Gerd. & Trappe	Nigeria Senegal Namibia Egypt Morocco Libya	Sani, 1976a Ginwal <i>et al.</i> , 1997; Stutz <i>et al.</i> , 2000; Mankarios and Abdel- Fattah, 1994; Meddich <i>et al.</i> , 2000 El-Giahmi <i>et al.</i> , 1976
<i>Glomus occultum</i> Walker	South Africa Namibia Cameroon Ivory Coast	Gaur <i>et al.</i> , 1999; Stutz <i>et al.</i> , 2000; Mason <i>et al.</i> , 1992; Wilson <i>et al.</i> , 1992

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<i>Glomus rubiforme</i> (Gerd. & Trappe) Almeida & Schenck	Cameroon	Mason <i>et al.</i> , 1992
<i>Glomus sinuosum</i> (Gerd. & Bakshi) Almeida & Schenck	Ivory Coast	Wilson <i>et al.</i> , 1992
<i>Glomus spurcum</i> Pfeiffer, Walker & Bloss emend. Kennedy, Stutz & Morton	Namibia	Stutz <i>et al.</i> , 2000
<i>Sclerocystis rubiformis</i> Gerd. & Trappe	Senegal	Diallo <i>et al.</i> , 1999
<i>Scutellospora coralloidea</i> (Trappe, Gerd. & Ho) Walker & Sanders	Cameroon	Mason <i>et al.</i> , 1992
<i>Scutellospora gregaria</i> (Schenck & Nicol.) Walker & Sanders	Senegal Sudan	Diallo <i>et al.</i> , 1999; Ba <i>et al.</i> , 1996
<i>Scutellospora nigra</i> (Redhead) Walker & Sanders	Nigeria	Old <i>et al.</i> , 1973
<i>Scutellospora pellucida</i> (Nicol. & Schenck) Walker & Sanders	Cameroon Ivory Coast	Mason <i>et al.</i> , 1992; Wilson <i>et al.</i> , 1992
<i>Scutellospora verrucosa</i> (Koske & Walker) Walker & Sanders	Senegal	Diallo <i>et al.</i> , 1999

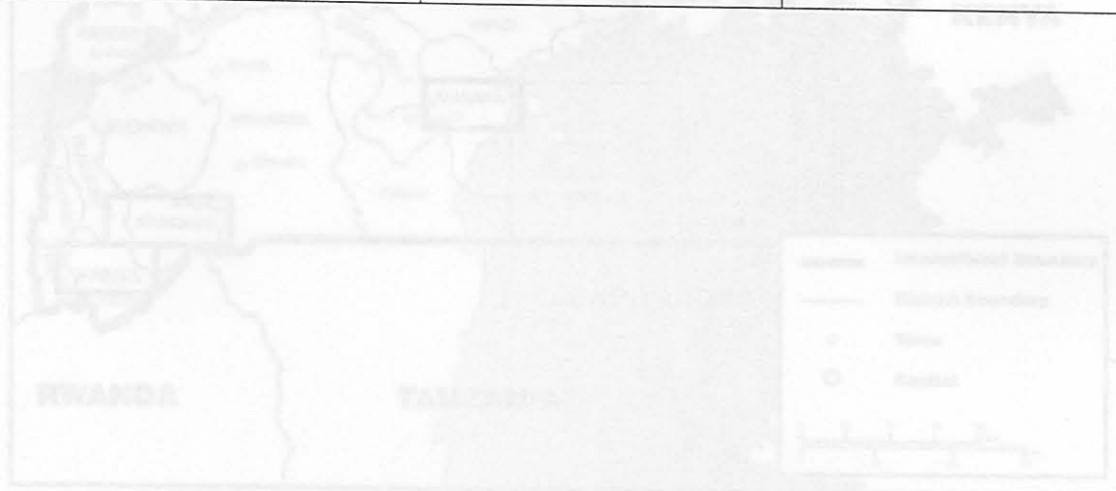


Figure 1: Map showing AMF survey sites enclosed in boxes

