

## 1 APPENDICES



**Figure A 1.** *Sorghum bicolor* collection. Crop Research Institute.



**Figure A 2.** Germination of sorghum seed accessions used for DNA extraction.

**Table A 1.** Standard deviation of dissimilarity index grouped by sub-clusters and level of homogeneity.

Cluster	Sub-Cluster	Dissimilarity index Standard deviation	Homogeneity/Cluster
I	A	0.0129	1
	B	0.8164	3
	C	0.0255	2
	D	0.1203	4
II		0.0331	1
III	A	0.0331	2
	B	0.0304	1
	C	0.0389	3
IV	A	0.1027	2
	B	0.0021	1
V	A	0.0669	2
	B	0.0318	1
VI	A	0.003	1
	B	0.0057	2

**Table A 2.** Genetic distance matrix among sorghum accessions base don RAPD data.

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<b>43</b>	0.62	0.52	0.62	0.51	0.52	0.51	0.53	0.56	0.54	0.68	0.57	0.56	0.56	0.63	0.59	0.69	0.61	0.74	0.62	0.54	0.52	0.53	0.53	0.56	0.56	0.53	0.55	0.62	0.55	0.55	0.5	0.55	0.53	0.6	0.56	0.81	0.32	0.45	0.41	0.34	0.54	0						
<b>44</b>	0.55	0.45	0.54	0.44	0.44	0.44	0.46	0.49	0.47	0.61	0.49	0.49	0.49	0.56	0.52	0.62	0.53	0.66	0.54	0.47	0.44	0.46	0.45	0.49	0.48	0.45	0.48	0.54	0.47	0.48	0.43	0.48	0.46	0.53	0.48	0.73	0.49	0.18	0.29	0.33	0.47	0.45	0					
<b>45</b>	0.5	0.39	0.49	0.39	0.39	0.39	0.41	0.44	0.42	0.55	0.44	0.44	0.44	0.51	0.47	0.57	0.48	0.61	0.49	0.42	0.39	0.41	0.4	0.43	0.43	0.4	0.43	0.49	0.42	0.43	0.38	0.43	0.41	0.48	0.43	0.68	0.5	0.39	0.36	0.35	0.38	0.47	0.4	0				
<b>46</b>	0.62	0.52	0.62	0.51	0.52	0.51	0.54	0.57	0.54	0.68	0.57	0.56	0.56	0.63	0.59	0.7	0.61	0.74	0.62	0.55	0.52	0.54	0.53	0.56	0.56	0.53	0.56	0.62	0.55	0.56	0.5	0.56	0.54	0.6	0.56	0.81	0.63	0.52	0.48	0.48	0.47	0.6	0.53	0.44	0			
<b>47</b>	0.94	0.84	0.93	0.83	0.84	0.83	0.85	0.88	0.86	0.87	0.88	0.88	0.88	0.95	0.91	0.9	0.92	1.05	0.93	0.86	0.84	0.85	0.85	0.88	0.87	0.84	0.87	0.87	0.82	0.87	0.85	0.92	0.87	0.84	0.95	0.83	0.8	0.79	0.78	0.92	0.84	0.75	0.82	0				