



Sweet Sorghum an alternative energy Crop

Grant Agreement n° 227422

WP2

Deliverable 2.3:

*Fifteen to twenty donors for stalk sugar
traits identified from African germplasm*

Composition of the consortium

CIRAD
ICRISAT
EMBRAPA
KWS
IFEU
UniBO
UCSC
ARC-GCI
UANL
WIP



A total of 530 germplasm accessions were screened for Brix% and biomass. The following table includes all the donors and their origin that were tested at ICRISAT for stalk sugar traits and exhibit Brix% in the range of 14 to 20%.

N°	Donor country	Germplasm accessions
1	East Africa (6)	IS 10001, IS 10015, IS 10034, IS 10043, IS 10045, IS 2331
2	Ethiopia (3)	IS 25242, IS 25338, IS 23519.
3	Sudan (7)	IS 19066, IS 2311, IS 19222, IS 19273, IS 19587, IS 23927, IS 24001.
4	Other countries (6)	IS 23511, S 23526, IS 23530, IS 23537, IS 29042, IS 33844.

Table 1: °Brix% of the donors

N°	Germplasm accession	Brix (%)
1	IS 2311	19
2	IS 2331	17.5
3	IS 10001	19
4	IS 10015	19.9
5	IS 10034	14.3
6	IS 10043	15.6
7	IS 10045	16
8	IS 19066	19
9	IS 19222	19.2
10	IS 19273	18.8
11	IS 19587	17.4
12	IS 23511	17.6
13	IS 23519	17.7
14	IS 23526	20.2
15	IS 23530	18.2
16	IS 23537	18.3
17	IS 23927	18.6
18	IS 24001	15
19	IS 25242	16.9
20	IS 25338	15
21	IS 29042	17
22	IS 33844	15.5