



Sweet Sorghum an alternative energy Crop

Grant Agreement n° 227422

WP2

Deliverable 2.5:

*Five to ten donors from core germplasm
identified for bmr trait*



Composition of the consortium

CIRAD
ICRISAT
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WIP

Based on the results provided by field experiments conducted from the beginning of the SWEETFUEL project, here after is the list of donors from core germplasm identified for *bmr* trait. These varieties will be included in the breeding programme as donor for brown midrib trait

List of donors identified from core germplasm for *bmr* trait

N°	Germplasm accession	<i>bmr</i> gene	Plant height (m)	Days to 50 % flowering	Fresh fodder (t ha ⁻¹)	Stover yield (t ha ⁻¹)	ADL (%)	IVOMD (%)
1	IS 23253	NA	2.3	71	22.57	5.56	3.39	56.02
2	IS 21890	<i>bmr</i> 7	1.6	70	7.7	3.53	3.39	55.4
3	IS 23765	<i>bmr</i> 6	1.7	81	15.37	6.12	4.08	55.1
4	IS 21549	<i>bmr</i> 6	2	78	23.69	9.81	4.16	54.59
5	IS 23787	<i>bmr</i> 6	2.5	70	31.6	9.11	4.19	54.21
6	IS 21891	<i>bmr</i> 8	1	69	7.21	2.98	4.4	53.72
7	IS 21887	<i>bmr</i> 1	0.9	70	7.39	2.67	4.25	52.58
8	IS 21889	<i>bmr</i> 6	1.3	77	12.45	4.65	3.89	52.55
9	IS 40602	<i>bmr</i> 12	1.3	82	12.59	4.54	4.75	51.37
	RSSV 9 (check)	SS variety	2.3	66	26.64	7.6	4.62	50.71