



**Seventh framework programme
Food, Agriculture and Fisheries, and Biotechnology**

Specific International Co-operation Actions
Small or medium scale focused research project



Sweet Sorghum an alternative energy Crop

Grant Agreement n° 227422



Deliverable 2.9:

Ten to fifteen high biomass and sugar yielding bmr hybrid parents

Composition of the consortium

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

Based on the Deliverable 2.5, diverse *bmr* sources were screened and agronomically promising *bmr* sources were used in the back crossing program with the elite high biomass sweet sorghum genotypes.

The materials in BC4F1 and BC4F2 (see table here under) will be selfed to generate near homogeneous and homozygous BC4F3 generation.

Same material will be subjected to multilocation trials in 2015 rainy season and fodder quality analysis.

The materials with high biomass production potential and possessing more than 54% *in vitro* dry matter digestibility (IVOMD) will be given to farmers for cultivation besides sharing the materials with stakeholders.

Recurrent parent (Recipient)	Non-recurrent parent (Donor)	<i>bmr</i> allele	Generation
ICSV93046	IS 21549	<i>bmr 6</i>	BC4F2
ICSV 25280	IS 23787	<i>bmr 6</i>	BC4F2
SPV 1411	IS 23787	<i>bmr 6</i>	BC4F2
ICSV 93046	IS 23789	<i>bmr 6</i>	BC4F2
ICSV 25275	IS 23789	<i>bmr 6</i>	BC4F2
IS 13871	IS 23253	<i>bmr 6</i>	BC4F1
ICSV 25311	IS 40602	<i>bmr 12</i>	BC4F1
SP 08 16421-2	N 598	<i>bmr 6</i>	BC4F1
ICSV 25307	IS 40602	<i>bmr 12</i>	BC4F1
ICSV 25308	IS 40602	<i>bmr 12</i>	BC4F1
ICSV 25280	IS 40602	<i>bmr 12</i>	BC4F1
ICSV 93046	IS 40602	<i>bmr 12</i>	BC4F1