

EXPLOITABLE FOREGROUND

New sweet sorghum cultivar for rainy season adaptation - ICSV 25339

Explanation and Purpose

This SWEETFUEL exploitable result presents an improved sweet sorghum variety developed at ICRISAT-Patancheru, India by pedigree selection from a cross between SSV 74 x AKSV 22. It flowers in 99 days and grows to a height of 3.05 m. It records 115 t ha⁻¹ stalk yield, 44.5 t ha⁻¹ juice yield, 18.5 % brix and 5.94 t ha⁻¹ sugar yield. This variety is well suited for rainy adapted condition.

Exploitation Strategy

This variety is well adapted to rainy season. It can be tested in India, Mexico, South Africa, Brazil, USA, Philippines and China for local adaptation.

IPR Measures

This SWEETFUEL exploitable result is freely available and the breeding material developed is available freely to SWEETFUEL partners and public sector partners, while private partners can avail the material by becoming members of hybrid parents research consortium and complying of appropriate Material Transfer Agreements.

Further Research

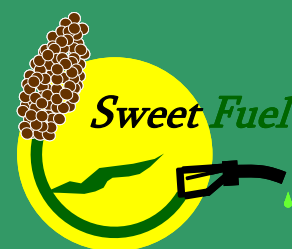
Further research includes further testing in hybrid combination with a set of A-lines in a broader range of environments. It's adaptation to other regions can be assessed through multilocation and multi seasonal trials.

Impact of Exploitation

This variety can be a good source of sugar for biofuel production and it can also be used as fodder, thereby offering opportunities to small farmers for enhancing their income opportunities.

SWEETFUEL

Sweet Sorghum: an alternative energy crop



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