

EXPLOITABLE FOREGROUND

Adaptability of commercial biomass sorghum hybrids to cold conditions

Explanation and Purpose

The adaptability of biomass sorghum to cold conditions and early sowing under temperate climates was evaluated. Seven commercial hybrids (Bulldozer, Tarzan, Zerberus, ICSSH 19, ICSSH 58, ICSSH 31, and Monster) were sown at four sowing times. The sowing dates ranged from early spring to the end of spring. Bulldozer hybrid was better adapted to early sowing times in terms of seedling physiology and biomass productivity thanks to an extended growing season.

Exploitation Strategy

The cultivation zones of Bulldozer could be extended to cold temperate climates of central Europe thanks to its adaptability to early sowing.

Further Research

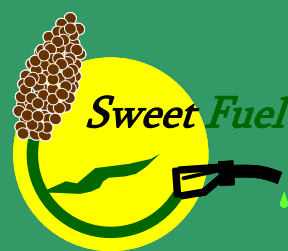
Multi location trials should be carried out to evaluate the adaptability of commercial hybrids such as Bulldozer to variable environmental conditions.

Impact of Exploitation

This commercial hybrid could be used as a reference crop for establishing biomass sorghum as feedstock for 1st and 2nd generation biofuels.

SWEETFUEL

Sweet Sorghum: an alternative energy crop



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