

# Breeding of the new forage sorghum variety “SB cv. KT1”<sup>(1)</sup>

Min-Lang Chang<sup>(2)(4)</sup> and Li-Jen Liao<sup>(3)</sup>

Received: Jun. 3, 2019; Accepted: Jul. 17, 2019

## Abstract

Forage sorghum (*Sorghum bicolor* L.) variety (Sb cv. KT1) is a new cultivar bred at Heng-Chun branch of Livestock Research Institute. This variety has rapid growth, early maturity, lodging resistance and high forage yield, which is suitable for Taiwan. It is cultivated in hot and rainy season in spring and summer, and the yield of subsequent perennial forage is also high, which is suitable for ensiling. Forage sorghum can replace forage corn to produce summer feeds during the summer rainy season and connect to the autumn and winter crops of forage corn. The selection code of this variety was FSH01, which is a white seed with red spots line and is resistant to leaf spot, rust and corn borer. It is mildly susceptible to sheath. FSH01 was obtained from the descendants of the open pollinated population, and was selected according to the agronomic traits and other external agronomic characteristics in 2011. After line comparison tests, regional trials and local trials, the FSH01 had high yield with excellent agronomic characteristics, such as resistance to diseases and insects, drought tolerance and lodging resistance. Spring crop of FSH01 has high yield, high plant height and lodging resistance, strong moisture resistance and high perennial yield in summer. It is suitable for spring, summer and autumn cultivation in Taiwan. The FSH01 line was named by the Variety Nomenclature Review Committee on November 2, 2018.

Key words: Forage sorghum, Agronomic character, Selection, New variety.

---

(1) Contribution No. 2618 from Taiwan Livestock Research Institute, Council of Agriculture.

(2) Hengchun Branch, COA-LRI, Pingtung 94644, Taiwan, R. O. C.

(3) National Kaohsiung Normal University, Kaohsiung City 80201, Taiwan, R. O. C.

(4) Corresponding author, E-mail: mlchang@mail.tlri.gov.tw.