

The New Developed Foxtail Millet Variety Taitung No.7

Mei Jaw, Wan-Chu Lin and Neng-Cheng Kuo¹

Abstract

Taitung No.7 millet was selected from the lines collected at TaJen shiang, Taitung prefectures in 1987, and passed through the Committee of New Variety Designation and Examination. The results of the yield trial of new high lines showed that the Taitung No.7 produce high yield (2,138 kg/ha on the average in the two crops) than Taitung selection No.2 (2,110 kg/ha) by 1.3%; The regional trials indicited that the yields of Taitung No.7 were 1,654、1,756 and 1, 944 kg/ha in the crops of 1991、1992、1993 , respectively and gained yields than the Taitung selection No.2 by 1.8%、21.9% and 1.8%, respectively. The character of Taitung No.7 was superior to that of Taitung selection No.2 in stable yield, early mature, short plant height and better quality.

The optimum sowing date for new variety Taitung No.7 millet was in late February , followed by late January in spring crop, and in mid August, followed by mid September in fall crop. The best and second best yields at the seeding rate of 8 kg and 12 kg. Applying 150-50-50 of N-P₂O₅-K₂O kg/ha for the new variety Taitung No.7 millet produced higher yield (1,800 kg/ha) than the control rate 100-50-50 (1,720 kg/ha), the current application rate 100:50:50 kg/ha was recommended.

Key words: Millet , Taitung No.7 , Breeding.

¹ Assistant, Assistant Researcher and Agronomist of Taitung DAIS.