

Character evaluation of oil millet germplasm

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Abstract

The oil millet contains three species, *Eccoilopus cotulifer*, *Eccoilopus cotulifer f. sagittiformis*, and *Eccoilopus formosanus*, with the last one the cultivated spp. . The oil millet seed has high oil content and its stem contains a large amount of long-chain fatty acids. Sixteen accessions provided by the Academia Sinica were used to conduct an experiment, and it was found that the collected species could be divided into three groups according to the morphology shape of the leaf and panicle. Among them, the oil millet collected in the Pingtung Dewen and the Pingtung Wutai belong to the 'Taiwan oil millet', the cultivar. They are also traditional folklore crops in Taiwan and have been consumed for thousands of years. It is necessary to select and inbreed the lines with high spike numbers and high fertility rate.

Key words: Oil Millet, Germplasm, Diversity, Indigenous people

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