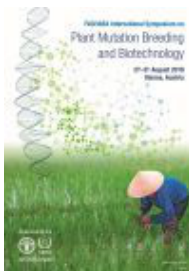


FAO/IAEA International Symposium on Plant Mutation Breeding and Biotechnology



Contribution ID: 219

Type: Poster

a new variety Zhonglyu No.12 from space mutation

Zhonglyu No12, a new variety derived from Zhonglyu No 2 by using space mutation. Zhonglyu No 2 is an old cultivar originally derived from VC2917A by system selection. Zhonglyu No 2 is high in plant height and easily to be lodging. After space mutation, the new variety appears to be early mature too, with growth period about 70 days in Beijing. The plants erects well and somewhat lodging-resistant, with the height about 50 cm. The branches on main stem vary from 2-4, and the number of pod vary from 20-30, sometimes could reach to 40 pods per plant. Most of pods mature within a focus period, making mechanized harvesting available. Mature pods are black with pod length about 8.5 cm and about 10 seeds per pod. The seeds are bright green with 6.5 g for 100-seed-weight. The yield of the new variety is usually about 1500-2250 kg per hectare.

It can be mono cultivated or intercropped with other crops, especially after the harvest of wheat in north part of China. From the observation in the field, Zhonglyu No.8 is moderately resistant to leaf spot, powdery mildew, and rust, the new variety has higher tolerance to drought, lodging and barren soil than other cultivars too.

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