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INIS-XA--482

Mutation Breeding Newsletter

JOINT FAO/IAEA DIVISION OF ISOTOPE AND RADIATION APPLICATIONS
OF ATOMIC ENERGY FOR FOOD AND AGRICULTURAL DEVELOPMENT
INTERNATIONAL ATOMIC ENERGY AGENCY, VIENNA

Issue No. 30
July 1987

XA0201347

RESEARCH NEWS

Glutinous rice variety "R817" for good quality wine developed by radiation induced mutation

The variety has been developed by gamma irradiation of dry seeds of "Ai Shang Nuo" at Zhejiang Academy of Agricultural Sciences. The main characteristics are as follows:

1. It has higher yield: Average about 6000 kg/ha, maximum 7800 kg/ha in trials, about 10% above the control variety "Shang Nuo No. 4".

2. It is disease resistant: After artificial inoculation resistant to rice blast pathotypes A, A63, B1, B15, C3, C13, C15, D3, E1, G1.

3. The growing period of the variety is about 136 days in Hangzhou. 3 days earlier than the original variety. The seedling period could be long or short.

4. It has good grain quality suitable for making "Xiang Xue", "Shan Miang" and other well known rice wines.

The variety is been grown all over our province and in some neighbouring provinces. Its cultivation area was 2000 ha in 1984, more than 8000 ha in 1985 and is rapidly increasing.

(Contributed by ZHANG Mingxian, LUO Rongting and XU Baocai, Institute for Application of Atomic Energy, Zhejiang Academy of Agricultural Sciences, Hangzhou, People's Republic of China).

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