Evaluation of New Plant Type Rice in Korea. (C01-ahn013642-Poster)

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Abstract:

New plant type rice has been noticed for its higher yield potential, its unique features such as to be an ideal type for direct seeding purpose because of its less tillers number with heavy panicles protected from lodging by hardness in plant stem. An international collaborative research project between Korea and IRRI on developing rice varieties adaptable to Korean environments with direct seeding quality and more improved grain quality has been conducted. In the first phase of the project during 1996 to 2001, a total of 215 NPT breeding lines from IRRI were introduced and most the NPTs introduced showed less tiller number with heavy panicle style rice, more grain with less grain filling rate leading to the reduction of yield in Korean environment. Presently, 3 breeding lines originated from the crossing between NPT and Korean elite cultivars has been subjected to the yield trails for the next utilization of variety development

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