

ĐÁNH GIÁ CÁC TỔ HỢP LAI TRIỂN VỌNG KHÁNG BỆNH BẠC LÁ LÚA TRONG ĐIỀU KIỆN VỤ MÙA TẠİ LÀO CẠI

Assesment of Potention Hybrid Rice Combinations to Prevent Bacterial Leaf Bright Disease on Summer - Autumn Crop

Dương Đức Huy¹ và Nguyễn Văn Hoan²

1. Nghiên cứu sinh Khoa Nông học, Học viện Nông nghiệp Việt Nam

2. Trung tâm Nghiên cứu cây trồng Việt Nam – Nhật Bản

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Abstract

Thought two autumn crop seasons (year 2014, 2015), 5 Elite combinations of Hybrid rice resulting of crossing between two Male Sterility Lines 103S, 103 carrying *Xa7* gene with 2 Restorers R212BB7 and the check LC212 were investigated. The investigation on Agro biological characterization and Bacterial Leave Blight (BLB) Resistance were done. The results show that: The combination carrying *Xa7* and *Xa21* were appearing resistance to BLB clearly; The combination carrying two *Xa* gen including *Xa7* and *Xa21* are appearing higher and larger resistance ability that combinations carrying single *Xa* gene one. The combination of males R212BB7-575 and R212BB7-632 are giving the yield similar or higher than the original check LC212. Three combinations 103BB21S/R212BB7-632, 103BB21S/R212BB7-575 and 103S/R212BB7-632 not only gave good resistance ability to BLB better than original LC212 but gave higher yield clearly. The highest yield is combination 103BB21S/R212BB7-635. The better resistance to BLB, better effective tiller and higher 1000 seed weight are bringing of higher yield of advanced combinations.

Keywords: LC212; R212BB7-575, R212B7-632, 103BB21S, advanced hybrid rice combination