

OMDN 29

A NEW VARIETY TOLERANCE TO SOYBEAN RUST

Bui Chi Buu¹, Nguyen Van Chuong¹, Nguyen Thi Lang² et al³

OMDN 29 soybean variety was introduced from result of coordination between research Institute of Agricultural Sciences for Southern Viet Nam and Genetic Department belongs to Cuu Long Delta Rice Research Institute.



OMDN 29 was selected from the pedigree (OMDN 1 x Kettum), then backcross to BC5 and self- polination to BC5F2. Cultivars have been purged leak rust resistance (*Phakopsora pachyrhizi* Sydow) in labs from 2005-2006, evaluation and testing rust resistance in the field 2007-2010 in different regions of Southeast, Central Highlands and Mekong Delta.

Results recorded OMDN 29 soybean variety rust resistant very high during growth, growth duration from 82-85 days, plant height 50 -60 cm, good tolerance to logging, 35-45 pods/plant, percentage pods have three seed rate 60-70%, 1000 seed weight from 160-200g, mature uniform is very concentrated, so that no separated in the field at dry season. Straw yellow pods, bright yellow seeds, light brown hilum color, one very popular feature

in production.

OMDN 29 have been average yield of 1.8 tonnes/ha in the Summer- Autumn and Autumn – Winter season in Dong Nai and Dak Lak provinces, 25% above the check varieties. Yield ranger from 2.2 to 2.8 tonnes/ha in the Winter - Spring and Spring - Summer season in D0ng Nai, An Giang and Dong Thap provinces, 30% abover check local. OMDN 29 Soybean variety have been high yield potential, rust resistance and could be cultivated around the year in Southern provinces.

Currently, OMDN 29 soybean varieties are produce opening in Dong Nai, Dong Thap and An Giang provinces.



¹ Institute of Agricultural Sciences for Southern Viet Nam

² Genetic Department belongs to Cuu Long Delta Rice Research Institute

³ Đinh Văn Cường¹, Nguyễn Thúy Kiều Tiên², Nguyễn Cao Quan Bình², Nguyễn Văn Mạnh¹, Nguyễn Thị Thiên Phương¹.