

Results from salinity tolerance experiment



The first results from ClimaViet field test experiments of salinity tolerance of five new rice varieties are now available.

Among the new salinity tolerant rice varieties, the TX111 variety gives highest grain yield in the range from 0 to 4 g/L salt levels. No rice yields were harvested at 5 g/L salt levels. The TX111 variety is generally more tolerant to salinity than other rice varieties. **TX111** has a longer duration, high tolerance to salinity, gives high yields. However, the costs of seed is high.

M15 is high yielding and tolerant to salinity, good taste, low amylose content, high purity rate and high number of filled/ panicle, but, sensitive to blight disease.

M14 has longer duration, gives low yield and sensitive to salinity

BT7 has good taste, light aroma but susceptible to salinity and blast disease.

LTH134 is a short growing variety, good taste and tolerant to blight disease, but gives lower yield

The attached technical brief presents more information on the experiments conducted on five rice cultivars (BT7 as control) and their response to various levels of salts in irrigation water in Tinh Long commune and Rang Dong farm in northern Vietnam as part of ClimaViet project