

TO ESTIMATE THE AGRI - BIOLOGY CHARACTERS AND STERILE CHARACTER OF SOME SHORT DURATION TGMS LINES

Nguyen Phu Thanh, Nguyen Tri Hoan, Ha Van Nhan

Summary

This paper presents the result of five female TGMS lines, with short duration, which supply for creating of super short duration of hybrid combination ≤ 100 days. It have the critical sterility at 24.5°C , and having the good agri-biology characters: the ratio of sterility 100%, the ability opening of stickma outside of spikelet from 61.3 to 74.4%, time from sowing to open spikelet at 10% from 65 to 68 days, tall plant is short 64.2-72.8 cm, good morphology, potential high yield, may become the female lines for F1 seed production.

Keywords: *TGMS line, two line hybrid rice, critical temperature, sterility pollen grain.*