

THE STUDY ON THE GROWTH AND YIELD OF SOME NEW HYBRID MAIZE COMBINATIONS EXPERIMENTED IN THAI NGUYEN PROVINCE

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Summary

The experiment was conducted in Autumn - Winter 2016 and Spring 2017 seasons in Thai Nguyen City, including 7 new hybrid maize combinations and control variety NK4300. The results showed that the hybrid combinations in the experiment had medium growth duration. The hybrid combinations have high plant and ear height, the EH/PLH rate is about 50-60%. Hybrids were mildly infected with stem borer, stalk rot and were infected with the blights disease in relatively high proportion. The actual yields of experimental hybrid combinations ranged from 60.46 to 86.55 quintals/ha in Autumn-Winter and from 78.86 to 94.18 quintals/ha in Spring seasons. The MRI17 in both seasons yielded higher and more stable than the other hybrid combinations, including the control.

Key words: Hybrid maize combinations, growth, productivity, Thai Nguyen.