STUDY ON THE GROWTH, DEVELOPMENT AND YEILD OF SOME NEW HYBRID MAIZE VARIETIES IN BAC KAN PROVINCE

Tran Trung Kien, Hoang Thi Bich Thao, Phan Thi Thu Hang, Hoang Ngoc Hoan

Summary

The experiment was conducted in the autumn-winter crop of 2015 and spring crop of 2016 at Bac Kan city, Bac Kan province, including 7 new hybrid maize varieties: H119, VS71, BM262, LVN255, LVN883, LVN111, LVN17 develop by Maize Research Institute and 1 control variety - Bioseed 9698. The results showed that growing period of new maize varieties ranged from 94 - 95 days (autumn – winter season) and from 106 - 113 days (spring season), belonged to group of average growing time. All new maize varieties had good morphological characteristics and stability, quite resistance to pests and diseases. Potential yield of new maize varieties ranged from 6.92 – 9.44 tons/ha (autumn – winter season) anh from 6.72 – 10.02 tons/ha (spring season). HT119 variety was higher than the control variety - Bioseed 9698 certainly 95% confidence level in both seasons. Actual yield of new maize varieties ranged from 4.95 – 5.81 tons/ha (autumn – winter season) anh from 4.72 – 5.94 tons/ha (spring season). Research in 2 seasons showed that the yield of HT119 variety was high and stable.

Keywords: Bac Kan, growth, hybrid maize variety, yield.