

**Selection of highest yielding chilli variety (*Capsicum annuum*) with  
good germination and growth parameters among the varieties  
cultivated in Sri Lanka**

**(Chili varieties of M.I. 01, M.I. 02, MICH HY 01)**



**BY**

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## ABSTRACT

Chilli crop grown in the country is not enough to meet the annual consumption requirement of the country. Therefore the aim of this study was to select highest yielding chilli variety with good germination and growth parameters among the varieties cultivated in Sri Lanka. The experiment was conducted at home garden, Anamaduwa, Puttalam District. For this experiment, chilli (*capsicum annuum*) variety was used. Research was carried out using Complete Randomized Design (CRD) with four treatments and forty replicates for each treatment. Treatments were T0 – Normal chili verity, T1 – M.I. 01 chili verity, T2 – M.I. 02 chili verity and T3 - MICH HY 01 chili variety.

The seeds of chilli (*capsicum annuum*), black Polybags and compost were obtained from agriculture farm, Anamduwa. The size of a polybag was 45cm height and 30cm diameter. Polybags were filled with potting mixture (sand: compost: top soil 1:1:1) leaving a space of 10 cm at the top of the polybag. Holes were made on bottom of the bags to drain water. All the pots were kept at the distance between 02 rows is 45 cm and the space between pots is 60 cm. MICH HY 01 chili variety recorded significantly highest ( $p<0.05$ ) height, number of leaves, number of branches per plant, number of flowers per plant and yield. From this study, it was found that the MICH HY 01 chili variety recorded better germination, growth and yield showed the best performance.

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