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# Performance of capsicum under protected and open field conditions under Mokokchung district of Nagaland

■ RENBOMO NGULLIE<sup>1</sup> AND PIJUSH KANTI BISWAS

### AUTHORS' INFO

#### Associated Co-author :

<sup>1</sup>Krishi Vigyan Kendra,  
Yisemyong, MOKOKCHUNG  
(NAGALAND) INDIA

#### Author for correspondence:

#### PIJUSH KANTI BISWAS

Krishi Vigyan Kendra,  
Yisemyong, MOKOKCHUNG  
(NAGALAND) INDIA  
Email: [drpijushpckvk@gmail.com](mailto:drpijushpckvk@gmail.com)

**ABSTRACT** : Capsicum was grown under different growing conditions *viz.*, polyhouse, black plastic mulch and open field at Longkuba, Longkhum village to assess the growth and yield performance. Seedlings were raised in the low cost polyhouse and transplanted when they were 45 days old at a spacing of 45 x 60 cm. The data obtained from the experiment were analyzed statistically by using Randomized Block Design (RBD). The results revealed that capsicum grown under polyhouse significantly increased plant height (90.7cm) and number of structural branches (12.59). The yield parameters like fruit length (10.75cm), fruit diameter (8.14cm), fruit circumference (24.9cm), individual fruit weight (122.75g) and overall fruit yield (49.8 MT/ha) were also significantly higher under polyhouse.

**KEY WORDS** : Capsicum, Polyhouse, Plastic mulch, Open field

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