

YIELD OF BROCCOLI AS INFLUENCED BY COWDUNG AND MUSTARD OILCAKE

K. Khatun¹, F. Hossain², S. R. Saha³, T. Mostarin⁴ and F. Begum⁵

ABSTRACT

The experiment was conducted during October, 2009 to March 2010 at the Horticulture Research Farm of Sher-e-Bangla Agricultural University, Sher-e Bangla Nagar, Dhaka to determine the response of organic manure on yield, quality and economic benefit of broccoli. The experiment included 16 treatments with 4 levels of cowdung manure (0, 10, 20 and 30 t/ha) and 4 levels of mustard oil cake (0, 300, 400 and 500 kg/ha) were used to study the effect of these on broccoli production. All treatments showed significant influence on days to curd initiation, primary curd diameter, stem diameter, primary curd weight, number of secondary curds per plant, weight of secondary curds, dry matter content of curd, curd yield but it did not show any significant effect on chlorophyll a and b content in leaves, moisture(%), protein (%) ascorbic acid content of curd. The maximum curd yield per hectare (15.27 t/ha) were found from the C₂M₂ (20 t/ha cowdung + 400 kg/ha mustard oil cake) treatment and the minimum curd yield (8.07 t/ha) was obtained from the control.

Keywords: broccoli, organic manure, yield