

Effects of Blended NPS Fertilizer Rates on Yield and Yield Components of Pepper (*Capsicum annum L.*) Varieties at MizanAman, South Western Ethiopia

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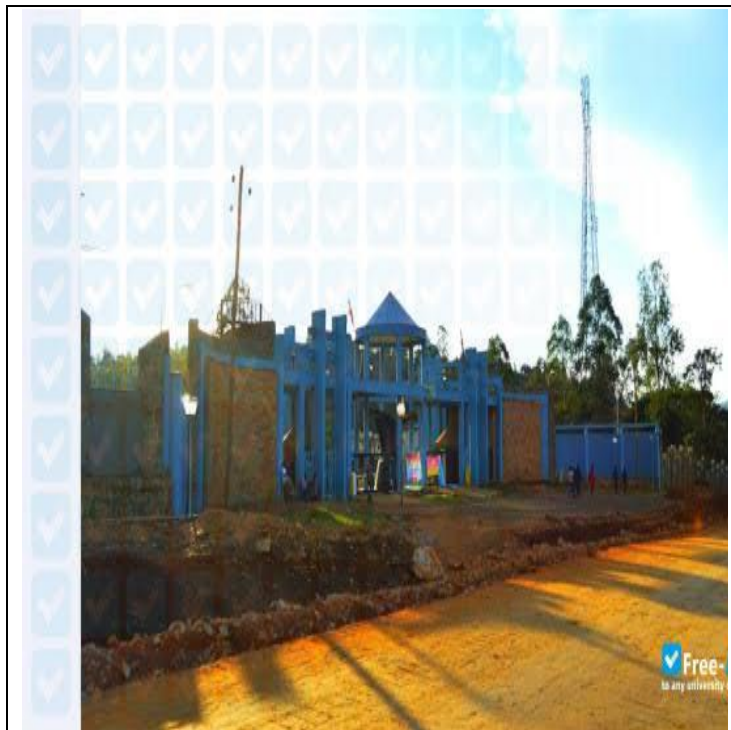
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Abstract:Hot pepper (*Capsicum annum L.*) is the most widely cultivated and economically important spice and vegetable crop in Ethiopia. However, its production and productivity are constrained by lack of seeds of improved varieties and poor soil fertility. Thus, field experiment was conducted at Mizan ATVET College using three hot pepper cultivars (Marekofana, Bako local and Gojeb local) and four blended NPS fertilizer rates (0,50,100,150 and 200kgNPS+100kg Urea) and one control to determine the growth and yield response of hot pepper under MizanAman condition. A 3*5 factorial experiment was laid in RCBD with three replications. Important growth parameters, phenolgy, yield and yield component data were collected for this study. ANOVA revealed that plant height, days to 50% flowering, days to 50% fruiting, number of leaf plant⁻¹, number of primary branch plant⁻¹, marketable, unmarketable and total dry pod yield, pod length, and number of primary branch were highly significantly ($p < 0.001$).

Biography:SahlemariamZewde is the Researcher in Mizan Agricultural Technical Vocational Educational Training College Mizan, Ethiopia. He is interested in Agriculture sciences and farming technology Research.

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