Effects of cutting height on nutritional components of vegetable amaranth (*Amaranthus cruentus* l.) in savannah zone of northern Nigeria

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Abstract

A field experiment was conducted during the 2015 rainy season at the National Horticultural Research Institute Bagauda Sub-station (NIHORT) Kano located in sudan savannah ecological zone of Nigeria. The aim of the research is to investigate the effect of cutting height on nutritional components of *Amaranthus cruentus* applied with GA3. Three cutting heights (10cm, 15cm and 20cm) were evaluated on the nutritional components of *Amarantus cruentus*. The Results showed significant increase on percentage protein and crude fibre. Percentage moisture, nitrogen, phosphorous and potassium were found to be not significant. These findings suggest based on the results obtained that cutting amaranth shoots at 10cm above the ground have great effect on few nutritional components of the crop.

Keywords: Cutting height, *Amaranthus cruentus*, Nutritional Components and Savannah