# الآية

قَالَ تَعَالَىٰ: أَعُوذُ بِٱللَّهِ مِنَ ٱلشَّيۡطَٰنِ ٱلرَّجِيمِ ﴿ ٱللَّهُ لَآ إِلَٰهَ إِلَّا هُوَ ٱلۡحَيُّ ٱلۡقَيُّومُۚ لَا تَأۡخُذُهُۥ سِنَةٞ وَلَا نَوۡمٞۚ لَّهُۥ مَا فِي ٱلسَّمَٰوَٰتِ وَمَا فِي ٱلۡأَرۡضِۗ مَن ذَا ٱلَّذِي يَشۡفَعُ عِندَهُۥٓ إِلَّا بِإِذۡنِهِۦۚ يَعۡلَمُ مَا بَيۡنَ أَيۡدِيهِمۡ وَمَا خَلۡفَهُمۡۖ وَلَا يُحِيطُونَ بِشَيۡءٖ مِّنۡ عِلۡمِهِۦٓ إِلَّا بِمَا شَآءَۚ وَسِعَ كُرۡسِيُّهُ ٱلسَّمَٰوَٰتِ وَٱلۡأَرۡضَۖ وَلَا يَـُٔودُهُۥ حِفۡظُهُمَاۚ وَهُوَ ٱلۡعَلِيُّ ٱلۡعَظِيمُ ﴿٢٥٥﴾ ﴾

صدق الله العظيم

**سورة البقرة الآية (255)**

# Dedication

To the fountain of patience and optimism and hope .

To each of the following in the presence of God and His

Messenger, my dear mother .

To the big heart my dear father.

To those who have demonstrated to me what is the most

beautiful of life my friends .

To the people who paved my way of science and knowledge .

I guide this research

# Acknowledgment

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# Abstract

The study was conducted at the experimental farm of Sudan University of Science and Technology, College of Agricultural Studies; Khartoum North- Shambat, to investigate the agronomic response and efficiency of fertilizer micro dosing in *Sorghum bicolor*. An experiment with the following treatments was achieved: control without fertilizer, micro dosing treatments with the rates of 1, 2, 3 and 4g NPK/plant hole after 10 days from sowing.

The treatments were arranged in a completely randomized block design with four replications. The experiment was conducted during the growing season of 2015. Weeding was carried once after three weeks from seed germination and irrigated weekly. The following parameters were considered during experimentation; the number of leaves, plant height, node length and stem thickness, while the shoot fresh and dry weights were recorded at termination. The data collected were subjected to analysis of variance and the means were separated by Duncan's multiple rang test. The results obtained showed the improvement on the characters of plant height, number of leaves and node length, while the effect on stem thickness, shoot fresh and dry weights was not observed.

**Table content:**

## List of tables:-