## **Sudan University of Science and Technology**

## **College of Graduate Studies**

Performance of Two Fodder Sorghum Cultivars, Under Different Irrigation Intervals and Two Seedbed Preparation Methods in a Saline Soil.

اداء صنفی ذرة علفیة تحت فترات ری مختلفة وطریقتی تحضیر مهد فی تربه ملحیة

A thesis Submitted in fulfillment of the Requirements for the Degree of Doctor of Philosophy ( Ph.D) in Agronomy

By:

Sayed Aidroos Ahmed Khalifa

**Supervisor:** 

Dr. Elsadig Elmahdi Ahmed

**Co-supervisors:** 

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January 2016

#### بسم الله الرحمن الرحيم

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### Sayed Aidroos Ahmed Khalifa

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# بسم الله الرحمن الرحيم

Seest thou not that God sends down rain from the sky, and leads it through springs in the earth then He causes to grow, therewith, produce of various colours: then it withers; thou wilt see it grow yellow, then He makes it dry up and crumble away. Truly, in this, is a Message of remembrance to men of understanding.

Zumar (21).

" He Who has made for you the earth like a carpet spread out; has enabled you to go about therein by roads (and channels); and has sent down water from the sky. "with it have We produced diverse pairs of plants each separate from the others.

Taha (53)

And do they not see that we do drive Rain to parched soil (bare of herbage), and produce therewith crops, providing food for their cattle and themselves? Have they not the vision?.

Sajda(21).

## **DEDICATION**

To the Souls of my Late Mother Bakheita & brother Abumedian