

# الآية

قال تعالى :

مَثَلُ الَّذِينَ يُنْفِقُونَ أَمْوَالَهُمْ فِي سَبِيلِ اللَّهِ كَمَثَلِ حَبَّةٍ أَنْبَتَتْ سَبْعَ سَنَابِلَ فِي كُلِّ  
سُنْبُلَةٍ مِائَةٌ حَبَّةٌ وَاللَّهُ يُضَاعِفُ لِمَنْ يَشَاءُ وَاللَّهُ وَاسِعٌ عَلِيمٌ (٢٦١)

صدق الله العظيم

سورة البقرة : الآية ( 261 )

# Dedication

I dedicate this effort to

My father .....

My mother .....

My brothers and sister

And dear Omer Basher

To My dear friends and Those

Who help me in Research

With my best wishes

# Acknowledgement

Thanks and gratefulness firstly and lastly to “Allah” who gave me mind, determination and patience to carry out this study successfully.

Special thanks with respect to my supervisor Dr. Atif Elsadig Idris for his valuable guidance, advice, and encouragement throughout this study.

Many thanks to Mr. Ahmed Mohammed for supporting and helping me in doing this work.

Many thanks to all of the staff of the Department of Agronomy, College of Agricultural Studies, Sudan University of Science and Technology.

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## **Abstract**

The experiment was conducted in summer season of 2016 at Shambat, College of Agricultural Studies, Sudan University of Science and Technology to evaluate eleven lines of grain maize for some growth and yield characters. The experiment was laid out randomized complete block design (RCBD), with three replications. Five characters were measured included (cob diameter –cob length – number of leaves –number of kernels /row-100 seeds weight). The results showed that significant different between the eleven maize lines for all studies characters. The L5 scored the highest means of cob diameter and 100 seed weight and the L7 scored the highest means cob length and number of kernels,

## الخلاصة

تم إجراء هذه التجربة في الموسم الصيفي للعام 2016 في ( شمبات ) كلية الدراسات الزراعية جامعة السودان للعلوم والتكنولوجيا لتقييم احدي عشر سلالة من الذره الشامية للحبوب لبعض صفات النمو والإنتاجية. إجريت التجربه باستخدام تصميم القطاعات الكاملة العشوائية بثلاثة مكررات. تم قياس خمس صفات تضمنت ( عدد الاوراق- سمك الكوز- طول الكوز- وزن ال 100 بذرة - عدد البذور للصف).

أظهرت النتائج وجود فروقات معنوية بين سلالة الذرة الشامية لجميع الصفات السلالة الخامسة السابقة أحرزت أعلى قيمة لقطر الكوز ووزن المائة بذرة والسلالة أحرزت أعلى قيم لطول الكوز وعدد البذور.