

## الآية

بسم الله الرحمن الرحيم

قال تعالى:

يُخْرِجُ الْحَيَّ مِنَ الْمَيِّتِ وَيُخْرِجُ الْمَيِّتَ مِنَ الْحَيِّ  
وَيُحْيِي الْأَرْضَ بَعْدَ مَوْتِهَا وَكَذَلِكَ تُخْرَجُونَ ﴿١٩﴾

صدق الله العظيم

سورة الروم الآية 19

## **DEDICATION**

*To my dear family*

*Dear Father, lovely mother, Dear brother and sisters*

*To my dear friends and colleagues*

*With love and respect*

*Safinaz*

## **ACKNOWLEDGEMENTS**

*My great thanks are first to ALLAH, who supported with strength and patience me finish this worth successfully.*

*Real, I am greatly indebted to my Dr. Atif Elsadig Idris, for his unlimited support, providing valuable knowledge.*

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## **ABSTRACT**

The experiment was carried out to evaluate sixteen forage maize genotype in some growth yield and quality (protein and fiber) traits during the period from November 2016 to February 2017. The experiment was laid out in a randomized complete block design with three replication. Six traits were measured included, days to 50% tasseling, days to 50% silking, fresh and dry weight, and protein and fiber content. The results that there was significant differences for all studied traits except days to 50% tasseling, it was non significant differences. The genotype TZ STR 168 scored the highest fresh and dry weight, and genotype Hudiba-2 scored highest protein and fiber.

## خلاصة التجربة

نفذت التجربة بهدف دراسه التباين لستة عشر أصناف من الذرة الشامية العلفية في بعض صفات النمو والإنتاجية من نوفمبر 2016 حتي نوفمبر 2017 . بإستخدام تصميم القطاعات الكاملة العشوائية بثلاث مكررات وتم قياس ستة صفات. عدد الأيام ل 50% لتكوين الأزهار المؤنثة وعدد الأيام لتكوين 50% من الأزهار المذكره. والوزن الرطب والوزن الجاف ومحتوي البروتين والألياف. أظهرت النتائج وجود فروقات معنويه بين الأصناف في المعاملات ماعدا عدد الأيام لتكوين 50% للأزهار المؤنثه.

والصنف أعلي إنتاجيه في الوزن الرطب والجاف , TZ STR 168 الصنف

أعلي إنتاجيه في محتوى البروتين والألياف. Hduba-2