

DEDICATION

To my dear family,,,,,, Father,,,, mother,,, brothers,,,, sisters,,,

To my small family,,,, wife and son,,,,,,

To my dear friends and colleges,,,,,,

With love and respect,,,,,

Hussein

ACKNOWLEDGMENT

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ABSTRACT

Five faba bean cultivar namely (Hudeiba93. Eddamer. Basabeer S. M, L and Baladi) were tested under three watering interval /W1 7days ,W2 14days, and W3 21days.The material was grown in the middle of November during 2012/0013 at Kabkabia Town. The experiment was arranged in split plot design with three replications. The data were collected on number of pods per plant, 100 seed weight, grain yield, plant height, number of branches per plant.

The results showed that the highest seed yielding variety was Eddamer. The results also indicted that the seed yield 100 seed weight were significantly greater in the wet treatment followed by medium and dry treatments.

ملخص البحث

اختيرت خمسة أصناف هي الحديبة 93 -عد دامر-البساير - s.m.l و البلدي تحت ثلاث فترات ري هي الري كل 7 أيام والري كل 14 يوم والري كل 21يوما.

ونفذت التجربة باستخدام تصميم القطع المنشقة بثلاث مكررات حيث ووضعت معاملات الري في الأحواض الرئيسية بينما وضعت الأصناف في الأحواض الثانوية ثم زراعة البذور في منتصف نوفمبر 2012\2013 في مدينة كباية وكانت الصفات المدروسة هي عدد القرون في النبات -وزن المائة حبه وطول النبات وإنتاج البذور وعدد أيام 50% من الإزهار وإنتاج الكتلة الحيوية وعدد الأفرع في النبات وعدد الأيام حتى 95% من النضج.

أظهرت النتائج إن فترات الري أثرت بشكل معنوي على مكونات الإنتاج لأصناف الفول المصري. حيث أعطى الصنف عد دامر أعلى معدل إنتاج بذور تحت المعاملة الرطوية ثم متبوعة بالمتوسط الرطوية ثم الجفاف.