



كلية الزراعة  
قسم الميكروبيولوجيا الزراعية

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جامعة الفيوم

**البحث الثالث :** (فردى مشترك مع آخر من خارج التخصص – منشور)

Osman, A. Sh. and **Seoudi. O. A.** (2010).

The response of broccoli plants (*Brassica oleracea L.*) to biofertilizers.  
Egypt. J. Appl. Sci., 25 (9): 487- 498.

عنوان البحث

### ABSTRACT

A field experiment was conducted during two successive seasons ; 2008/2009 and 2009/2010 at a private farm in Sonnuris, district, El-Fayoum Governorate, Egypt, to investigate the effect of both mineral and bio-fertilizers on growth and yield of *Brassica oleracea L.* The experiment included one treatment of mineral fertilizer and six treatments containing a mixture of bio-fertilizer with the mineral one. The results obtained revealed that the addition of 75% mineral fertilizer in a combination of three doses of bio-fertilizer was superior to other treatments followed by the recommended dose and 75% mineral +c two doses of the bio-fertilizer with the recorded parameters. It is recommended that farmers could use bio-fertilizer to replace about 25% of the mineral fertilizer which will be very economic.