

**EFFECT OF GROWING MEDIA ON GROWTH, FLOWERING AND BULBS  
PRODUCTION OF *Iris hollandiaca***

**A. A. ALSHEIKLY \***

**\* Dept. Of Horticulture. College of Agriculture- Diyala University**

**ABSTRACT**

*Iris hollandiaca* cv. Prof. Blaauw was grown in 8 different media which included sand loam soil (River sand) and Sphagnum moss peat and various combinations between them 4: 1 , 3: 1 , 2: 1, 1: 1 (v: v) , also a mixture of sand loam soil and loam soil in two levels 4: 1 , 3: 1 had been used.

The results showed that sphagnum Peat gave best growth and significantly increased flower diameter, stem diameter, flowering stem`s fresh weight and weight of bulbs and bulblets, and differ significantly from the other growing media. Adding of Sphagnum peat in several proportion and loam soil at lower ratio to sand loam soil had significant effect on most studied characters compared with sand loam soil. Studied treatments have no significant effect on plant height and number of bulblets.