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**YIELD AND YIELD COMPONENTS OF DIFFERENT SPECIES OF
*LALLEMANTIA. SP***

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Dragon head originates in the Caucasian region and is cultivated for ornament and may be locally naturalized in east and east central Europe. An annual or perennial herb, or dwarf shrub [2]. Dragon head is cultivated for its seeds from which oil is extracted the seed contains up to 30% of drying oil The oil may also be used for oil foods and as a tanning agent *Lallemantia sp* seed has traditional uses as reconstitute ,stimulant , diuretic and expectorant.

To evaluate and compare the yield and yield components of two species *Lallemantia iberica* and *Lallemantia royleana* an experiment was conducted in a randomized complete block design with three replications at Research Farm of Shahed University in 2012. Treatments were planted in plots of size 3*1.5 square meters. The planting pattern was 25*5 cm [1]. During the experiment, maintenance procedures such as weeding, thinning, fertilizing etc were applied based on crop needs. After maturity crops were harvested in July. Consequently some traits such as seed weight, number of seeds per plant, seed yield, dry matter and harvest index were measured. The results showed there is significant difference at 5% between two species of *Lallemantia* such as seed weight and number of seeds per plant. While no significant differences were observed between the two species regarding the dry matter and harvest index. The highest seed weight and seed number per plant was for *Lallemantia iberica* species.

References

- [1]Emad, M. Medicinal Herbs Identification and their Uses. 2000. Vol.3, Tosee Rustaei Press, Tehran, Iran.
- [2]Amin, G.R. Popular medicinal plants of Iran.1991. Ministry of Health Publications, Tehran, pp: 90-91.