عنوان مقاله:

Dragon head (Lallemantia iberica) production under low input production system in dryclimatic condition

محل انتشار:

دوازدهمین کنفرانس بین المللی علوم صنایع غذایی،کشاورزی ارگانیک و امنیت غذایی (سال: 1401)

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خلاصه مقاله:

In order to investigate the Dragon head (Lallemantia iberica) production under low input productionsystem in dry climatic condition, an experiment was conducted at reaserch farm of Shahed Universityduring ۲۰۲۱–۲۰۲۲ as a split plot design in the form of random complete blocks. The first factor wasirrigation systems at three levels: ۱) supplementary irrigation (irrigation in two stages, planting andbefore flowering), ۲), full irrigation during growth period as control (based on ۲۰% depletion of fieldcapacity), ۳) deficit irrigation (irrigation based on ۴۰% depletion of field capacity), second factor wassowing date including autumn (November ۱۵) and spring (March ۱۵). The results of this researchshowed that most of the measured characteristics enhaced in autumn sowing rather than spring sowingdate. The highest seed yield (there was no significant difference with the seed yield in the autumnplanting date treatment under drought stress and supplementary irrigation), the number of seeds perplant, and harvest index related to the autumn sowing date treatment under contol irrigation regime.Therefore, it can be concluded that Dragon head has the potential to produce as oil crop in dry and semiaridconditions encountring lowering water scarcity and increasing hazard temperature by changingsowing date and application deficit irrigation systems

کلمات کلیدی:

Autumn cultivation, Drought stress, Grain yield, Spring cultivation, Water stress.

لینک ثابت مقاله در پایگاه سیویلیکا: