

Introduction, Growth and Development of Lavandula (Lavandula Angustifolia Mill in Conditions)

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ANNOTATION

Seed biology, seed germination and germination energy under the conditions of introduction of lavandula angustifolia plant was studied, Data are given.

KEYWORDS: *lavandula angustifolia, seed morphology, seed germination, germination energy, seedling, daily flowering rhythm.*

Introduction: At present, the importance of the introduction of plants is not diminishing, but opens up new prospects for the development of plant resources of the planet. The adoption of Resolutions No. PQ-4901 "On measures to expand the scope of scientific research in the field" is a clear evidence of the attention paid to the field [1]. Our planned research is the introduction and acclimatization of the medicinal lavender (*Lavandula angustifolia*) in the Surkhandarya climate and soil, and the study of the methods and ontogenetic stages of local propagation of this medicinal, food, perfumery and nectar plant.

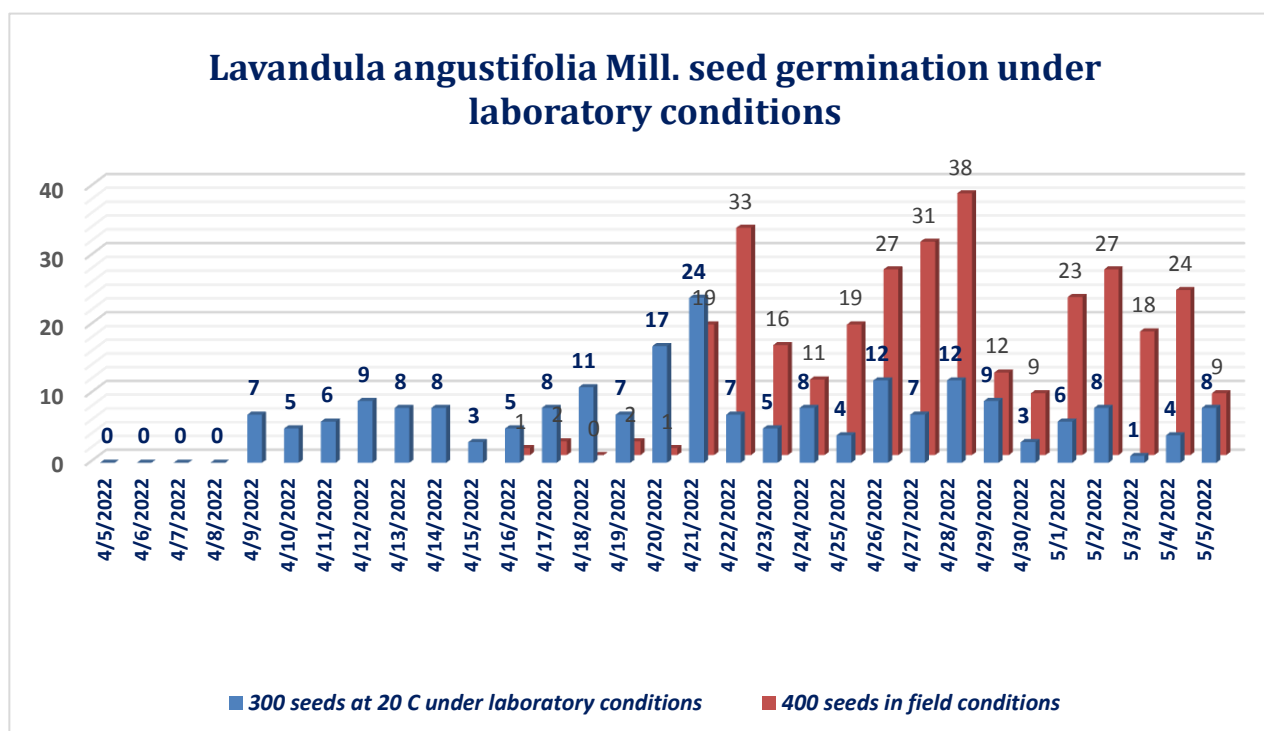
Main part: Lavender is native to the Mediterranean. In nature, lavender grows from the narrow areas of the Mediterranean coast to the Old India. High-quality varieties of lavender grow at altitudes of 700 to 1,400 meters above sea level. Widespread in Europe, North and South Africa, mountainous and tropical regions of Asia, America and Australia. Medicinal lavender is widely used in European countries, not only for cosmetology and the pharmaceutical industry, but also for landscaping, garden and park architecture. It is also widely used in folk medicine [5]. The beneficial properties of the medicinal lavender plant have been known since ancient times. People used this plant to improve the taste of food, to treat various diseases. After the widespread production of aromatic flavors and various fragrant foods from lavender, and fragrant soap, this plant began to be grown along with other agricultural crops.

Lavender essential oil has antiseptic and anti-inflammatory properties. During World War II, it was used to disinfect floors, walls, and other surfaces in hospitals. According to some studies, high doses of lavender oil can kill many common bacteria such as typhoid, diphtheria, streptococcus and pneumococcus [4].

It is expedient to study the seed biology of plants in the conditions of introduction. The most important biological properties of plant seeds are: the formation, structure of seeds, the course of physiological processes that take place in them [2]. Introduced plant *Lavandula angustifolia* seeds are elongated, smooth, brown, 0.02 cm long and 0.01 cm wide, 1000 seeds weigh 1.8512 g. In order to increase the germination of seeds stored in a paper bag for 7 months. The seeds were stored at low

temperature (2 °C) for 10 days and soaked in water for 12 hours. To determine the viability of the seed in the field and the viability of the seedlings, 400 seeds were sown lysometrically, which were monitored daily.

For seed germination in the laboratory, 300 seeds were placed on a sheet of paper moistened with distilled water in Petri dishes and the thermostat was used to collect the seeds at 20 ° C. Seeds stored in 2 °C) were used. Seed germination energy in field conditions was 12.98%, in laboratory conditions 13.6%.



Seed germination of lavender angustifolia

References

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