Results on the Multiplication of Plants of *Agastache Foeniculum* (Pursh) Kuntz by Seedling

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**Abstract.** *Agastache foeniculum* has its origins in North-America. In Europe has been planted for the first time as a decorative plant in flower gardens (Small E., 2006). For species *Agastache foeniculum* varies common names have been used: Anise hyssop, Blue giant hyssop, Giant fennel hyssop (Allen Gary, The Herbalist In The Kitchen, 2007). Multiplication of the species can be achieved by transplantation of the seedlings in cellular packages or small containers, 15 to 20 days after seeding (Armitage A.M. and Laushman J.M., 2003).

Multiplication of the species can be achieved by transplantation of the seedlings in cellular packages or small containers, 15 to 20 days after seeding. The most recommended temperatures for young plants are below 15°C. The plants will bloom at 12-16 weeks after seeding (Armitage A.M. and Laushman J.M., 2003).

Separation of the stalks is performed in the spring from mature plants, over 2 or 3 years old. Sowing is done by using young stalks from the base potted in pots in the greenhouse in light shadow. In about 3 weeks the young plants will have their roots formed and they will be ready to be planted in the field in the summer (Fălticeanu Marcela, Munteanu N., 2010).

During the seedling the experiment took place in the greenhouse, in plastic trays, throughout April and May at temperatures over 20°C. First observations have been made after 7 days when the first 2 leaves sprouted, followed by observations every 7 days as the other leaves were forming. For observations, over 80 plants have been chosen to be measured targeting their height and the number of leaves.

The texture of the soil for obtaining good seedlings of *Agastache foeniculum* (Pursh) Kuntze has to be clay like.

The time needed to form the first pair of leaves at 20°C is 7 days. The next leaves are formed at approx. the same period of time, 7 days.

To obtain the seedling of *Agastache foeniculum* (Pursh) Kuntze in the greenhouse during April and May we recommend that the temperature should be over 20°C.

**Keywords:** *Agastache foeniculum* (Pursh) Kuntze, breeding methods, seedlings.

**REFERENCES**