Allium L. species distribution and collections in Lithuania





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Distribution of wild growing Allium L. species in Lithuania

There are 7 *Allium* L. species growing wild in Lithuania. Studies of the distribution and habit of perennial edible *Allium* species showed that *A. oleraceum*, *A. scorodoprasum*, *A. ursinum*, *A. vineale*, *A. angulosum*, *and A. schoenoprasum* were found, mostly growing naturally in 55 habitats in different regions of Lithuania (B.Karpavičienė 2004).

The largest amount of data was collected on *A. ursinum* and *A. oleraceum* habitats, other species are rare or very rare.



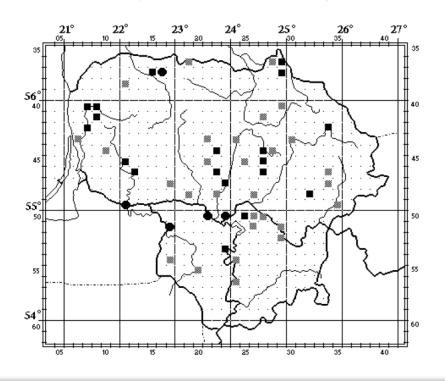


Perrenial *Allium* plants tolerate low temperatures well. Seeds' germination begins at air temperatures of 3-5°C. Plants remain dormant during winter, and vegetation begins in early spring, late February to early March, and lasts up to 8 months. Plants usually flower in June-July.

Karpavičienė B., 2004: *Allium* genties rūšių paplitimas Lietu¥oje [Distribution of the genus *Allium* in Lithuania]. Botanica Lithuanica, Suppl. 6: 19.30.

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Distribution of *Allium ursinum* and *A. schoenoprasum* in Lithuania. $\blacksquare -A$. *ursinum*, area <0.5 ha; $\blacksquare -A$. *ursinum*, area >0.5 ha; $\bullet -A$. *schoenoprasum*



- ✓ A. ursinum plants are the most popular between perennial species.
- ✓ There are about 90 known habitats of A. ursinum. They are concentrated in the middle and western lowlands of Lithuania.
- ✓ A. ursinum grows naturally in moist forests and shady places and occurs frequently on loamy soils.

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Allium L. species maintenance and preservation in Botanical garden Šiauliai University Botanical Garden











Botanical Garden of Klaipeda University













Activity of Department of Vegetable Breeding and Technology (Babtai) (LAMMC)

- Preservation and maintenance of vegetable genetic resources and creation of new cultivars.
- Plant and seed samples are maintained in the stores at Institute of Horticulture and the field expositions.















LAMMC

Collection of perennial Allium L. species

Department of Vegetable Breeding and Technology (Babtai)

7 species and 14 different samples are cultivated in the field collection.

IV juosta	III juosta	II juosta	l juosta
	Allium schoenoprasum L. 'Aliai'	Allium angulosum L. No 10-01	Allium schoenoprasum L. No 04-30
	Allium schoenoprasum L. No 11-31	Allium nutans L. No. 11- 02	Allium schoenoprasum L. No 04-32
	Allium schoenoprasum L. No 04-29	Allium nutans L. No11-01	Allium fistulosum L. 'Bajkal'
Allium schoenopras um L.	Allium schoenoprasum L. 'Zornaja Rostan'	Allium ursinum L. No 21-01 No 22-01	Allium fistulosum L. 'Marozka'







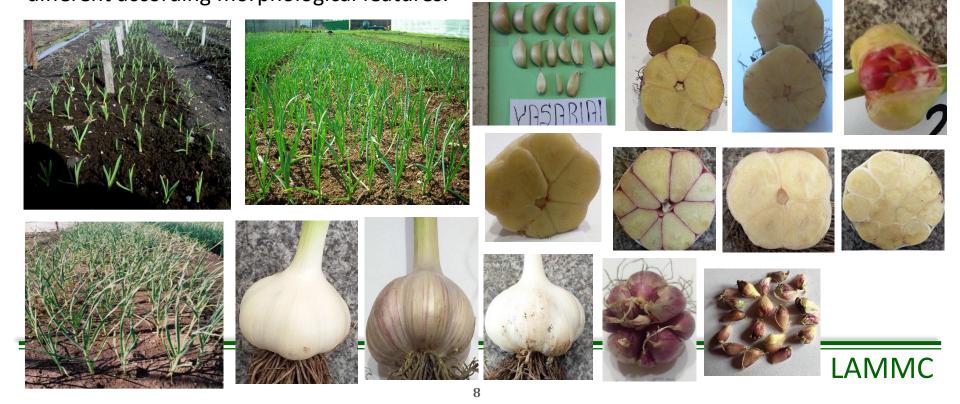




Collection of Allium sativum L.

Department of Vegetable Breeding and Technology (Babtai)

60 vegetatively propagated *A. sativum* samples are cultivated in the field collection. They are different according morphological features.



Collection of *Allium cepa* L. and *A.cepa* var. *Aggregatum* Department of Vegetable Breeding and Technology (Babtai)

A collection of 24 accessions generatively propagated onion and 25 accessions vegetatively propagated potato onions are cultivated in the field collection.









Samples of Allium cepa L. var. Aggregatum

Allium L. cultivars created at the Department of Vegetable Breeding and Technology (Babtai)(LAMMC) in 2004 -2024

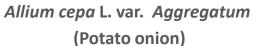
Allium cepa L. (Onion)



'Babtų didieji', 2004



'Joriai', 2020





Allium sativum L. (Garlic)



'Dangiai', 2015

Allium schoenoprasum L. (Chives)



'Aliai', 2006



'Žiemiai', 2004



'Vasariai', 2006

Thank you for attention

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