

CULTIVARS OF *GALEGA ORIENTALIS* LAM.
AS FODDER AND RAW MATERIAL
FOR BIOFUEL PRODUCTION



Kavkazkyi branets variety



Saliut variety



Riabchik variety

Areas of Application

The cultivars can be used in agricultural production and energy industry as fodder, raw material for energy generation, melliferous and medicinal plant, and green manure

Specification

The cultivars of *Galega orientalis* Lam. are perennial plants of the legume family used as green fodder and as silage and hay. The crops ripen in the first week of May. The *Kavkazkyi branets*, *Saliut*, NBS-75, and *Riabchik* cultivars have been recorded in the State Register of Plant Varieties Suitable for Growing in Ukraine.

Yield of tops, t/ha	80–90
Yield of seeds, kg/ha	700–800
Protein output, t/ha	2.5–3.0
Biofuel output, t/ha	10
Energy value, Gcal/ha	60–80
Estimated biogas output, m ³ /ha	15000–17000

Advantages

The varieties are notable for a long-term life of cultivated phytocoenosis (about 15 years). As compared with counterparts (lucerne and clover), they ripen earlier and have a higher frost resistance (can withstand frosts up to -300 °C) and resistance to pests and diseases. The leaves do not crumble in hay

Stage of Development.
Suggestions for Commercialization

IRL3, TRL3
The use of varieties is governed by license agreements. Plant and propagation materials are available. Seeds and recommendations on plant cultivation and use are provided

IPR Protection

IPR3

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