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phr

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SERRADELLA

IGELA

SERRADELLA

► PRECIOUS HONEY PLANT

► INFORMATION

Serradella (*Ornithopus sativus* Brot.) belongs to the group of legume, spring, annual plants. The length of its growing period is about 115–160 days. It tolerates ground frosts down to -5°C . The serradella is grown in the main crop for seed collection or for catch crops in the form of undersown crop or stubble catch crop. It has a high nutritional value of green fodder and hay because it is rich in protein, fat, lime and potassium. It can be treated as a honey plant. Serradella needs a slightly acidic soil. The pH tolerance ranges from 5.4 to 6.5. Due to the possibility of taking nitrogen from the atmosphere with the use of bacteria, it leaves about 50 kg of N. in the soil.

► CULTIVATION

SOWING

Serradella for seeds should be sown 3-4 years after the manure, at the rate of 20-30 kg/ha, in rows every 12,5-15 cm at the end of March or the beginning of April.

FERTILIZATION

Phosphorus-potassium fertilizers should be applied before sowing, in the spring, depending on the soil fertility: 40–80 kg/ha P_2O_5 , 80–120 kg/ha K_2O . The use of nitrogen fertilizers is unnecessary.

HARVESTING

Two-phase

Mowing for swaths when most of the pods turn brown in the lower part of the plant (about 50%), and turn yellow in the middle part. Do not wait for flowering in the upper part to finish. Mowing for swaths must be carried out "after dew", that is in the evening or early in the morning, which prevents the seeds from shedding. Dried swaths should be threshing with the combine.

Single-phase

It consists in desiccation of plantations (chemical drying) and threshing with a combine. The obtained material should be dried to a humidity of 14% and cleaned.

► VARIETY IGELA

Plants of this variety have a semi-standing type of growth and produce a large amount of side branching. The variety is medium tall. It produces many light green, elliptical leaves. The flowers are pink in colour. The pods are long and wide. The flowering period is medium to late and the maturation period is medium. The length of the growing season is approximately 135 days. It has a high yielding potential of seeds, from 0.8 to 1.5 tons / ha. It is characterized by a stable seed yield and is suitable for organic farming. It is possible to use it to create aftercrop mixtures, e.g. with oats. It also brings beekeeping benefits.