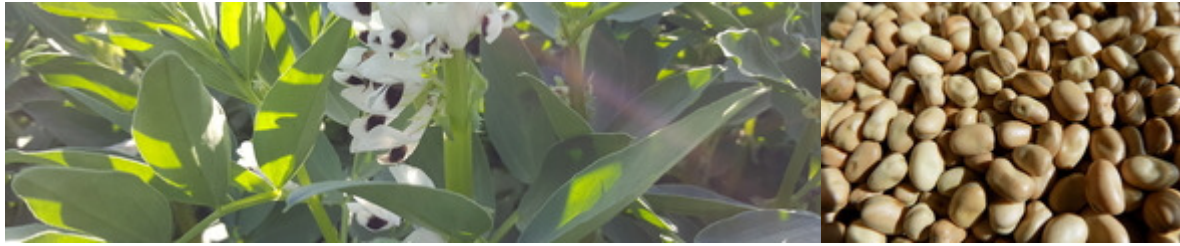


Field bean

CALLAS

Outstanding yields with very low vicin/convicin content



Benefits:

- Perfect combination of high seed and protein yield with very low vicin/convicin content
- Great resilience
- Uniform maturity
- High stiffness
- Outstanding results all over Europe in 2022

Variety characteristics: (Officially confirmed or respectively in line with Bundessortenamt)

	bad / early / short / low	good / late / long / high / tall
Vicin/Convicin content	Low	
Content of tannin	Yes	
Grain yield	8	
Protein yield	8	
Protein content	5	
Thousand grain weight	6	
Start flowering	4	
Maturity	5	
Plant height	6	
Stiffness	8	

Breeder: P. H. PETERSEN Saatzucht Lundsgaard GmbH, Version: 09.01.2023 / 1.00

Field bean

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Usage:

Grain use
Nitrogen fixation
Suitable for human and animal nutrition

Cultivation recommendations:

Recommended sowing rate	40 - 50 grains/m ²
Sowing depth	6 - 8 cm on heavy soils, 8 - 10 cm on light soils
Sowing period	Earliest possible in spring - frost tolerant up to approx. -5°C
Sowing method	Single or double row spacing is beneficial for the yield, larger row spacing in combination with precision sowing is possible.
Fertilization	No N-fertilization necessary. Depending on the nutrient content of the soil and nutrient extraction 40-60 kg P ₂ O ₅ /ha, 100-130 kg K ₂ O/ha and about 20-50 kg MgO/ha are advised. If necessary an application of sulphur is suggested.
Crop protection	Use herbicides during pre-emergence or mechanically hoe or harrow the field for weed control. Post-emergence herbicide application specifically against grasses is possible. If necessary use fungicides against chocolate spots. Use clean seed to avoid ascochyta blight. When considering usage of insecticides against black bean aphid or bean weevil mind the damage threshold.
Harvest	Optimal moisture for harvesting 15-19%. Use protective setting for threshing to avoid broken grains.

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