



BOLIVIA – Low vicin/convicin quality with best protein yield

Spring Field Bean

BREEDER / DISTRIBUTOR

NPZ / Saaten-Union

VARIETY DESCRIPTION

BOLIVIA is a new low-vicin / low-convicin field bean variety that has been registered in Denmark in 2019 due to its high yield potential and above-average protein yield. BOLIVIA convinces with its early flowering and a mid-early maturity with low disease susceptibility. BOLIVIA has a medium plant length, resulting in a compact, very lodging-resistant and easy to thresh crop.

Due to its low vicin/convicin content, BOLIVIA is not only suitable for human consumption, but can also be used universally in animal feeding. In poultry feeding, it offers a native protein source as an alternative to soybeans.

Agronomic Characters	
Yield potential:	high
Protein content:	medium-high
Protein yield:	high
Grain weight:	medium
Begin of flowering:	early
Maturity:	mid-early
Lodging resistance:	very good
Pflanzenlänge:	medium
Susceptibility	
Ascochyta:	low
Botrytis:	low
Rust:	low

Crop husbandry

Sowing time: Trafficability of the soil is important. Seed bed more important than sowing time. Seedlings are frost tolerant down to -5°C.

Sowing depth and density: on medium soil types: 8-10 cm, on heavy soils: 6-8 cm sowing depth. In favorable planting conditions 35-40 viable seeds / m²; normal planting conditions 40-45 viable seeds / m²; unfavorable planting conditions 50-55 viable seeds / m².

Row spacing: 12,5 to 30 cm; wider row spacing with precision seeding possible.

Fertilization: no nitrogen fertilization necessary; generally adapted to local conditions; guide values: 40-60 kg/ha P₂O₅; 100-130 kg/ha K₂O; 20-50 kg/ha MgO; micronutrients as required

Plant Protection: *Pesticide strategies have to be fine-tuned with local advisory institutions.*

Information level 2020

All variety descriptions have been prepared in accordance to the best of our knowledge, considering trial results and observations. A guarantee or a liability in individual cases is not possible, because the growth conditions are subject to substantial fluctuations.