

PANTANI – strong and untiring winter bean

Winter field bean

BREEDER/DISTRIBUTOR

NPZ/Saaten-Union

VARIETY DESCRIPTION

PANTANI was first listed in Germany and UK in 2021. Besides our winter field bean variety AUGUSTA, PANTANI gives farmers a second choice for growing winter beans.

One key point is the pale hilum colour of PANTANI, which makes this variety well suited for human consumption. PANTANI has a good standability, which allows an easy harvest of this winter field bean. Its early maturity makes PANTANI well suited for areas with higher drought risk in early summer times.

Winter beans have the potential to mature earlier than spring beans. Thus they can serve as a pre-crop for early-sown winter crops, such as winter oilseed rape or winter barley.

Agronomic characters

Yield potential:	medium - high
Protein content:	medium
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Grain weight:	medium-high
Begin of flowering:	medium
Maturity:	early-medium
Lodging resistance:	high
Plant length:	medium-short

Crop husbandry

Sowing time: Depending on the regions, winter beans should be sown from the end of September to the beginning of November.

Sowing depth and density: on medium soil types: 8-10 cm; on heavy soils: 6-8 cm sowing depth. In favourable planting conditions 20-25 viable seeds/m² - normal planting conditions 25-30 viable seeds/m².

Row spacing: from 20 to 45 cm for favourable yield; in order to get the proper sowing depth wider rows are recommended; precision drills are favourable but cereal sowing technique are also possible.

Fertilisation: Nitrogen application is not necessary. For medium supplied soils and a medium yield level: 40-60 kg P₂O₅/ha; 100-130 kg K₂O/ha, 20-50 kg MgO/ha are recommended.

Weed Control: *Should be applied according to national-registered plant protection devices and local recommendations.* Herbicide treatment in most countries only possible in pre-emergence. Field beans provide good conditions for mechanical weed control.

Diseases and Insect Protection: It is recommended to pay attention to *Sitona* weevil (post-emergence period), black bean aphid (from beginning of flowering onwards), *Bruchus* field bean beetle (begin of flowering onwards). Pesticide strategies have to be fine-tuned with local advisory institutions. In case of occurrence of chocolate leaf spot disease it is easy to control with fungicidal spray.

Information level 2021

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.