

VICTUS - low vicine/convicine

Spring field bean

BREEDER/DISTRIBUTOR

NPZ/Saaten-Union

VARIETY DESCRIPTION

VICTUS is a very high-yielding spring field bean with a high crude protein yield potential. The variety is intermediate in plant length, has stiff straw and is among the earlier maturing varieties of the portfolio.

VICTUS has a coloured flower and thus produces tannin containing seeds: however the variety has significantly reduced contents of vicine/convicine (15-20 fold compared to varieties without that trait). This was achieved by classical breeding and makes VICTUS especially suitable for feeding of laying hens and poultry. Furthermore, the seed is well shaped, has a buff colour and a pale hilum. Therefore the seeds are also well suited for the human consumption market.

Agronomic characters

| | |
|---------------------|-----------------------------------|
| Yield potential: | high to very high |
| Protein content: | medium |
| Protein yield: | high |
| Grain weight: | high |
| Begin of flowering: | medium |
| Maturity: | early - medium |
| Lodging resistance: | high |
| Plant length: | medium |
| Resistances | |
| Ascochyta: | medium |
| Botrytis: | medium |
| Rust: | medium |
| Special trait: | very low vicine/convicine content |

Crop husbandry

Sowing time: As early as possible and as soon as the soil can carry traffic. Starting from the end of February, seedlings frost tolerant up to -5°C.

Sowing depth and density: on medium soil types: 8-10 cm; on heavy soils: 6-8 cm sowing depth. In favourable planting conditions 30-35 viable seeds / m² - normal planting conditions 35 - 40 viable seeds / m² - unfavourable planting conditions 40-45 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

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 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 2018

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.