

# FRIEDA ORCANIC

A real protein bomb

White lupin organic

## Profile

FRIEDA is a real protein miracle. In contrast to soya, it has a significantly better climate adaptation, a lower heat requirement and can thus be grown on many sites. Due to its unique anthracnose tolerance, it provides farmers with high yield security. FRIEDA is suitable for animal feed; its use in human nutrition is still being tested.

Distribution in: AT, CH, DE • Breeder: LLA Triesdorf

- ✓ Branching type with low content of bitter substances
- ✓ High protein yield for feed use
- ✓ Also usable for human nutrition due to lower alkaloid content
- ✓ Tolerance against anthracnose
- ✓ Better yield potential, higher protein content with better space stability than blue lupins
- ✓ Deep-rooted taproot and therefore very insensitive to summer dryness
- ✓ Very good threshing ability due to homogenous grain/straw ripening and high core build-up

## Agronomic properties

Determinate growth	<div><div>1</div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	missing
Beginning of flowering	<div><div></div><div></div><div>3</div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	early
Ripening	<div><div></div><div></div><div></div><div>4</div><div></div><div></div><div></div><div></div><div></div><div></div></div>	early to inter
Plant height	<div><div></div><div></div><div></div><div></div><div>5</div><div></div><div></div><div></div><div></div><div></div></div>	medium
Bitterness level	<div><div>1</div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	low in bitter substances

## Tends to

Lodging	<div><div></div><div></div><div>3</div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	low
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Yield characteristics

Thousand grain mass	<div><div></div><div></div><div></div><div></div><div></div><div></div><div>7</div><div></div><div></div></div>	high
Grain yield	<div><div></div><div></div><div></div><div></div><div></div><div>6</div><div></div><div></div><div></div></div>	medium to high
Gross protein yield	<div><div></div><div></div><div></div><div></div><div></div><div></div><div>7</div><div></div><div></div></div>	high

Classification according to the descriptive variety list - Bundessortenamt (federal plant variety office, Germany) 2024 and our own results.

Quality

Crude protein content	<div><div></div><div></div><div>3</div><div></div><div></div><div></div><div></div><div></div><div></div></div>	low
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Locations

All soils except waterlogging

Special characteristics

Greater yield security through tolerance to anthracnosis, the most important lupin disease, which can lead to a complete loss of yield.

Sowing

60 grains/m² for row distances of 12-25 cm

Sowing date

Mid of March - mid of April

Usage

High-quality protein feed for cattle feeding in organic quality

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