FRIEDA

WHITE LUPIN

A real protein bomb

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: 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
- FRIEDA is significantly more yield-safe than all previously approved varieties, as it is tolerant to 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

Agronomics Features

Limitation in tillering	(1) 2 3 4 5 6 7 8 9	(absent or very low)
Flowering	1 2 (3) 4 5 6 7 8 9	(low)
Maturity	1 2 3 (4) 5 6 7 8 9	(early to medium)
Plant Height	1 2 3 4 (5) 6 7 8 9	(medium)
Lodging	1 2 (3) 4 5 6 7 8 9	(low)
Kernel yield	1 2 3 4 5 (6) 7 8 9	(medium to high)
Protein yield	1 2 3 4 5 6 (7) 8 9	(high)
Thousand grain mass	1 2 3 4 5 6 (7) 8 9	(high)
Protein content	1 2 (3) 4 5 6 7 8 9	(low)
Bitterness level	(1) 2 3 4 5 6 7 8 9	(low in bitter substances)

Agronomic properties

Determinate growth	1 2 3 4 5 6 7 8 9	missing
Beginning of flowering	1 2 3 4 5 6 7 8 9	early
Maturity	1 2 3 4 5 6 7 8 9	early to medium
Plant Height	1 2 3 4 5 6 7 8 9	medium
Bitterness level	1 2 3 4 5 6 7 8 9	low in bitter substances

Tends to

Lodging	1 2 **3** 4 5 6 7 8 9	low

Yield characteristics

Thousand grain mass	1 2 3 4 5 6 **7** 8 9	high
Grain yield	1 2 3 4 5 **6** 7 8 9	medium to high
Gross protein yield	1 2 3 4 5 6 **7** 8 9	high

Classification according to the descriptive variety list - Bundessortenamt (federal plant variety office, Germany) 2025 and our own results.

Quality

Protein content	1 2 **3** 4 5 6 7 8 9	low