Alfalfa

Medicago sativa (x varia)

The queen of forage plants, produces outstanding green mass and is the most widely used alfalfa cultivar. Excellent forage quality, Alfalfa’s advancing growth pattern of 50 per cent makes it an ideal choice for pasture-rich feed production.

Its deep roots make it perfect as a preceding crop, and since it is a nitrogen fixer, the subsequent crop will benefit from the nitrogen fixed as the residual nitrogen in its roots and make it more suitable for the following crop.

The high-protein one produces very high yields, has a high protein content, and produces pale blue to purple flowers. It is easy to grow and is very winter-hardy and suitable for long-term perennial cultivation. Its resistance to fertilisers is ideal, but its yields are reduced in the early stages and offer attractive dry mass in the early stages and an astonishing amount of dry mass in the first 3 years. The high-protein one presents a good choice for areas with a high demand for fresh feed or for the production of dried green mass.

The healthy one has abundant leaves, soft stems and is very sturdy. It has high yields of green and dry mass, sturdiness and resistance to fertilisers. It is a very winter-hardy variety which is a very good choice for areas with a high demand for fresh feed or for the production of dried green mass.

The queen of feed plants produces outstanding green mass and is the most widely used alfalfa cultivar. Excellent forage quality, Alfalfa’s advancing growth pattern of 50 per cent makes it an ideal choice for pasture-rich feed production.

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Alfalfa is available as coated seed inoculated with rhizobia bacteria.

3. Internal stabilisation of the product

• The stability of bacteria can be reduced by the addition of chemicals and stabilisers. The presence of certain stabilisers can reduce the rate of decomposition of bacteria and improve the stability of the product.

4. Seed

• The seed quality of the product is necessary for a successful production. It is important that the seed contains the correct number of viable bacteria.

5. Carefully handled and stored

• The bacteria are very sensitive to environmental conditions such as light, temperature, and humidity. Therefore, it is important to handle and store the bacteria properly to ensure their viability and stability.

Advantages of seed inoculation with RhizoFix®

• Higher yields compared to non inoculated crops

• Reduced possible competitions between the plants and the bacteria

• Growth contact with the seed

• Ready to use products

• A specific rhizobia strain for each variety

• Easy application on legumes

• Higher yields compared to non inoculated crops

• More robust growth

• A specific rhizobia strain for each variety

• Easy application on legumes

• Better nitrogen fixation

• Improved nitrogen fixation

• The inoculant is easy to handle

• Immediate ready to use

RhizoFix® RF-50

RhizoFix® RF-50 is a milk-based liquid inoculant containing Rhizobia bacteria (Rhizobium meliloti). It is used to inoculate alfalfa seed and promote the formation of root nodules, leading to increased nitrogen fixation and improved forage production. RhizoFix® RF-50 is easy to use and can be applied to both manual and sprayer seed mixers. Furthermore, it is suitable for use in areas with both low and high nitrogen availability, making it an ideal choice for a wide range of environments.
The varietal descriptions in this catalogue are given in good faith but are not legally binding. They are based on information what is currently known for the respective plant type, covering year and the state. As seeds are natural products whose performance always depends on specific environmental conditions as well as other factors, we cannot, despite taking the greatest care, offer any guarantee that these results can be obtained under all conditions. Feldsaaten Freudenberger accepts no liability for direct, indirect, atypical, accidental or any other consequential losses or claims for compensation arising in connection with the use of varietal information described in this catalogue or cultivation recommendations. Correct as of 01/2018.

Products are delivered within Germany in accordance with the general conditions for the sale and delivery of seeds (seed GCSD), and international deliveries are made in accordance with ISF Rules.

Alfalfa
The production of protein in your own field!

Alfalfa, the queen of feed plants, is specially known for its high protein content. It is a revolution literally waiting to happen! Alfalfa seeds produce very high yields in both green and dry matter.

Why Alfalfa? Advantages

- **Increased feed intake**:
  - High protein content in the feed
  - Increased feed intake by:
    - High palatability
    - High digestibility

- **Effective feed conversion**
- **You save on costs of concentrated feed**:
  - Basic feed intake of the herd increases
  - Your animals' health improves
- **You need less N fertilizer**
- **The soil health will be improved**
- **Weeds are suppressed**
- **Long lasting positive effect of up to 3 years -> the following winter wheat crop will thank you!**

For agriculture:
- **Loosening of the soil for the next crop**
- **Nitrogen fixing by rhizobia**
- **Increase of the humus content in the soil**
- **Effective aeration of the soil**

Use the power of Alfalfa!

www.freudenberger.net

Alfalfa
up to 2.5 tons crude protein

SOY
up to 2 tons crude protein

As in a fodder crop:
- **High protein content in the feed**
- **Increased feed intake by**:
  - High palatability
  - High digestibility
- **Effective feed conversion**

For more information, visit our website:
www.freudenberger.net