

Forage Newsletter



CONTENTS

EVERYBODY TALKS ABOUT FESTULOLIUM

OVERSEEDING WITH ISEED® TAKES OFF WITH GRASSMAX SYSTEM

ISEED® SETS NEW STANDARDS IN SEED TREATMENT TECHNOLOGY



Intensive breeding

Creating varieties of Festulolium with unique properties has been in focus at DLF-TRIFOLIUM for decades. The result is a number of very remarkable varieties, which can be divided into two main types

Type ryegrass.

Crossing between Italian ryegrass and Meadow or Tall fescue. Appearance like ryegrass, but with better persistency. Examples: BECHVA, PAULITA, PERUN, ACHILLES, PERSEUS, LOFA

Type Tall fescue.

Crossing between Italian ryegrass and Tall fescue. Appearance like Tall fescue = stress tolerant, better yield and quality. Examples: FELINA, HYKOR, FOJTAN.

Everybody talks about Festulolium



Ole Grønbaek

og@dlf.dk

In Festulolium the best features from two grass types are combined: Yield and high feeding value from ryegrasses with persistency and stress tolerance from fescues.

Festulolium varieties keep promises

The DLF-TRIFOLIUM varieties of Festulolium have through hundreds of trials and analyses confirmed the breeders' promises. Some examples:

Top yield with PERUN, PAULITA, PERSEUS, ACHILLES, LOFA

- Denmark: 4-18% more forage than Perennial Ryegrass in the 2nd year and 18-27% more in 3rd year – with only slightly lower digestibility.
- Norway and Sweden: Markedly higher yield with PERUN than Meadow fescue in 1st year.
- Latvia: PERUN gave 40-60% more yield compared to local variety of Perennial ryegrass.
- Benelux: PERUN yields the double of perennial ryegrass in 1st year by spring sowing and has the highest concentration of energy and digestibility of organic matter (DOM), compared to Perennial ryegrass and Cocksfoot.
- UK: 11-31% more dry matter in 1st year compared to 4n intermediate Perennial ryegrass.
- Germany: PAULITA tolerates spring drought better than Perennial ryegrass and Cocksfoot.

High yield and stress tolerance with HYKOR and FELINA

- Sweden: 2,000 kg DM/ha extra when replacing Meadow fescue with HYKOR in a mixture – without loss of nutritional value.
- Latvia: HYKOR yielded more than double of Perennial ryegrass in 2nd and 3rd year.
- Scandinavia: HYKOR and FELINA are winter hardy up to the latitude of southern Finland, central Norway and Sweden.
- Denmark: 50% higher dry matter yield in 3rd year compared to Perennial ryegrass.
- UK: 14% more yield than Perennial ryegrass.
- Germany: 8-23% more dry matter than Perennial ryegrass.

Why not contact your DLF-TRIFOLIUM sales contact for more information? You can also find more information on www.dlf.com/forage.aspx



Overseeding with iSeed® takes off with GrassMax System



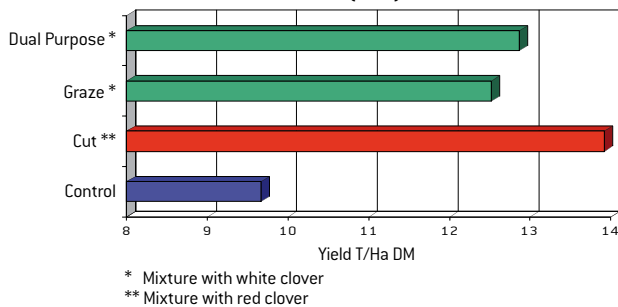
Tim Kerridge
tkerridge@dlf.com

Technical Information

- GrassMax is a unique system of routine scarifying and overseeding of young grassland and new re-seeds.
- The GrassMax system is based on preventing weed grass ingress that leads to rapid sward decline in later years.
- The GrassMax system works by annually topping up young swards with productive ryegrass and clover thus preventing weed grasses from developing within the sward.
- The GrassMax system significantly improves the productive life and quality of a sward with yield and quality improvements of up to 44%.



UK Overseeding Trial Results (Yield)



In addition to the outstanding yield benefits shown above following this extensive 4 year trial, all other quality measures also showed significant improvement over the standard control.

Overseeding Guide Lines

Field Preparation: Remove all surplus grass growth by cutting or hard grazing. Scarify the area in opposite directions using a suitable grass harrow.

Sowing: Sow at the same time as scarifying with an appropriate iSeed® treated GrassMax overseeding mixture. Immediately after sowing roll the field to consolidate the ground and ensure good seed to soil contact.

Timing: Immediately after the last silage cut of the year or after a hard graze in the spring or autumn.

Fertiliser: All establishment fertiliser requirements are contained within iSeed coating. Do not apply any other fertiliser for 4 – 6 weeks.

Livestock re-introduction:

After Cutting (wait until existing grass has fully recovered). After Grazing (Keep livestock on for 10 - 15 days after sowing then remove livestock and allow sward to recover).

iSeed® Sets new standards in Seed treatment technology



Tim Kerridge
tkerridge@dlf.com

iSeed® nutrient seed coating for forage seed

iSeed® is a coating applied to grass and clover seeds which contains selected amounts of essential nutrients for establishment which are immediately available to the emerging seedling. These nutrients supplement those growth elements contained within the seed structure, thus enhancing the vigour and the speed with which the plants develop to produce strong root growth coupled with the clearly more vigorous shoot and stem development seen above ground.

- Feeds only the seed not the weed or surrounding grass
- Significantly improves uptake efficiency
- Better root and shoot extension
- Up to 30% more viable plants per Ha
- Improved stress tolerance
- Environmentally friendly
- No application costs
- Highly cost effective at today's fertiliser prices

Improved establishment and higher yield

With iSeed®, the uptake of these essential nutrients provides for a stronger and more vigorous plant which, when established, will provide an extra 5 -15% more dry matter in the first cut. Trials have shown that iSeed® treated seed will establish up to 30% more viable plants per acre making establishment more predictable.

Enhanced nutrient uptake and stress resistance

The nutrients in iSeed® are located exactly where they are most needed. They enhance root and shoot development, particularly important when the plants are under stress. Small seeds such as grass are sown within 1 cm of the soil surface and this area of the soil strata is very prone to drying out, thus causing stress at a very early stage of the seedling's growth

iSeed® is easy to use

With iSeed® the seed weight is higher than normal thus ensuring good soil contact, essential when overseeding. There is no need for specialised equipment to establish a crop treated with iSeed®. A standard iSeed® coating from DLF Trifolium contains nitrogen and phosphorus. 1 kilo of seed treated with iSeed® consists of 500gms of seed, 100gms of N and 20gms of P, the balance being coating materials. iSeed® compares favourably in price to conventional seed bed fertiliser, the advantage being greater reliability coupled with the many additional benefits listed above.

