

Newsletter ForageMax



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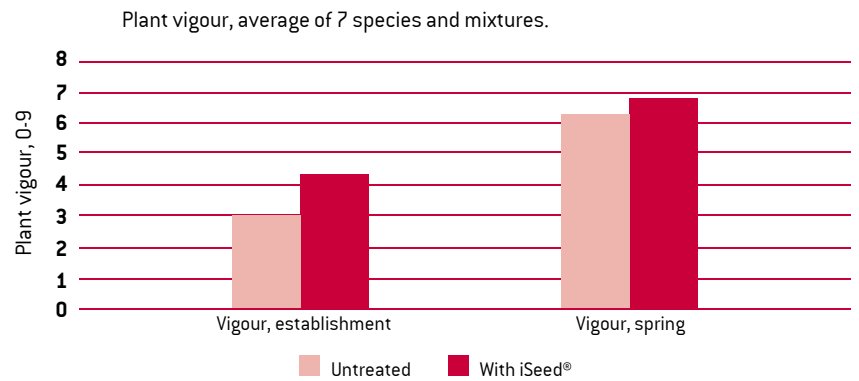


50% better establishment with iSeed®

- 1 tonne extra drymatter

New results from the DLF-TRIFOLIUM trial site near Rennes in Brittany, France, confirm that iSeed® can be of great value when grass fields are established in the autumn. After three weeks, trials with ryegrass sown during autumn 2008 showed 50% better establishment in the plots, where the seed was treated with iSeed®. In May 2009 the effect could be seen as 11% higher yield in 1st + 2nd cut. This corresponds to almost 1,000 kg extra drymatter per ha, and the plots were clearly more dense and uniform.

50% BETTER ESTABLISHMENT

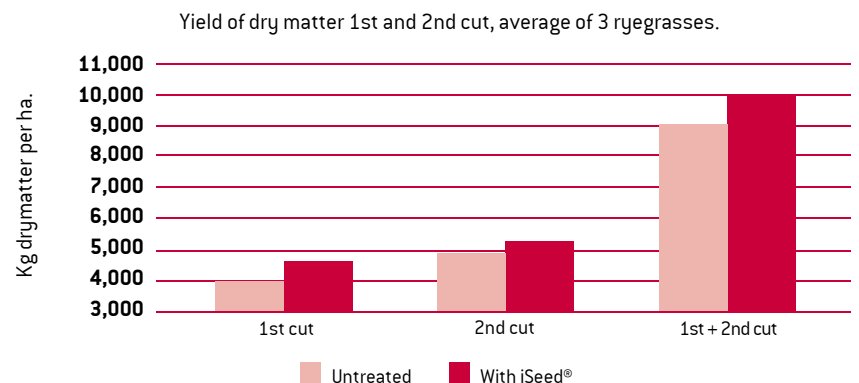


iSeed® means:

- Intelligent way of improving establishment
- Increased forage yield
- Saves time and money
- Most effective use of fertilisers



11% HIGHER YIELD



What is iSeed®?

iSeed® is a coating of grass seed with nutrients located directly around the seed, as a supplement to the seeds own reserves. iSeed® enhances the vigour of leaves as well as roots at a critical stage; ensuring a more successful start in life for the young grass plants.



Feed per Seed

Grass seeds are small, contain very small amounts of nutrients and are often sown into cold soils with low availability of P (and N). Phosphorus is especially important as a pre-seeding application for rapid establishment. With iSeed®, every seed gets its own coating of nitrogen and phosphorus and utilises it efficiently for establishment.

Improved establishment and higher yield

With iSeed®, a larger number of stronger and more vigorous plants are established and 5-15% more drymatter can be expected in the 1st cut.

Enhanced nutrient uptake

The nutrients in iSeed® are located exactly where they are needed. This enhances root and shoot development - not least when plants are under stress. It also means that weeds will have less access to nutrients and more competition from the grass crop.

iSeed® is easy to use

With iSeed®, the seed weight is higher than normal; this assists in creating good soil contact. Normal equipment for seeding can be used.

During the application process the weight of the seed is increased by 64% so that the coated seed contains 12.2% N and 2.4% P (5.6% P₂O₅) in total. The amount of N and P applied per hectare will depend on sowing rates.



AMOUNTS

KG SEEDS/HA	KG ISEED®/HA	KG N/HA	KG P/HA
25	41	5.0	1.0
30	49	6.0	1.2
35	57	7.0	1.4

Amounts of nitrogen and phosphorus applied at different sowing rates of iSeed®.

Improved fertiliser efficiency

With iSeed®, the uptake of nutrients is up to 4 times more efficient than standard seed-bed fertiliser, a clear benefit to the economy and the environment.

ForageMax mixture with iSeed®

GrassMax Original

DLF-TRIFOLIUM offers the ForageMax mixture GrassMax Original for overseeding combined with iSeed®. This mixture consists of 30% Festulolium of the ryegrass type, 20% of Hybrid Ryegrass plus 50% of Perennial Ryegrass of the intermediate tetraploid type. All grasses have large seeds that assist the very best establishment in the competition with the old sward.

For more information on ForageMax mixtures, please look in the Forage section at www.dlf.com.

iSeed® technology is subject to patents and patent application by Yara International ASA.

iSeed® is registered trademark by Yara International ASA.

