

Newsletter ForageMax



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RED AND WHITE CLOVER IS YOUR MONEY MAKER
IN GRASSLAND

ALFALFA IS THE SAFEGUARD IN GRASSLAND
PRODUCTION



Legumes mean:

- Less fertilisation
- Higher intake by dairy cows and beef cattle because of increased palatability
- More protein in forage
- More balanced production over the season



Red and White Clover is your money maker in grassland

Improving economy with legumes - clover and alfalfa

Free nitrogen for the grasses

Clover produces up to 250 kg "free" N per hectare. Saves costs for bagged nitrogen.

More protein in the crop

Clover raises protein in the grass crop by 1-5%. The need for concentrate will drop.

Increased intake and animal production

Clover increases the feed intake and production of milk or meat. More home grown forage is possible.

Improved mid-season growth

White Clover has higher mid-season production than grass. This helps to minimise the midsummer gap.

Exceptional winter hardiness

Varieties included in the range of the ForageMax mixtures are tested carefully for winter hardiness, including trials in Poland, Belorussia and Russia.

Excellent break crop

A clover field is very well placed in a rotation with cereals adding nitrogen and an improved soil structure.

Conclusion: Improved financial output from dairy or beef production.

Clover offers an outstanding opportunity to improve dairy and beef farming results.

IMPROVED ECONOMY – HOW?

Investment:

Replacing 6 kg grass seed with 6 kg Clover seed per ha.: $6 \times € 6 =$

€ 36

Return:

Saving 150–250 kg nitrogen per ha.:

€ 100–150

Saving 200 kg protein concentrate (due to higher intake) per ha.:

€ 80

10-20% higher forage intake = 1-2 kg DM per cow/day:

€ 0.20-0.40

AN EXAMPLE

Dairy herd, 100 cows, 30 ha grassland, in a 3-years ley:

Investment in clover seed:	30 ha x € 12 =	€ 360
Saving nitrogen:	30 ha x € 100 =	€ 3,000
Saving protein:	30 ha x € 80 =	€ 2,400
Saving concentrate:	100 cows x € 0.20 x 300 days =	€ 6,000
Total income/savings:		€ 11,040

Added value from clover grass: approx. € 11,000 = € 110 per cow per year.

Probably one of the best investments possible – not including any extra milk or beef yield due to higher feed intake.

ForageMax mixtures with Red and White Clover

The majority of the ForageMax mixtures contains Red or White Clover. To be highlighted here is:

CutMax Clover Protein

Contains 55% of Red Clover. This is really the protein source under conditions with very low fertilisation of the grassland.

Alfalfa is the safeguard in grassland production

Deepest root system

Alfalfa has a deep tap root system and is thus able to withstand severe drought.

High productivity

Alfalfa is a productive plant with high nutritional value. It has an early spring growth and rapid regrowth after cutting.

Multipurpose in use

Alfalfa can be conserved as hay but it is also possible to ensile the crop by mixing it with grasses, alternatively by drying it artificially and making it into pellets.

More years of utilisation

Mixtures with Alfalfa are more long-termed in utilisation compared to Red Clover alone. During the first 1-2 years Red Clover is solid in production. After the second year of utilisation, Alfalfa keeps the high quality and balanced green mass yields of the mixture.

ForageMax mixtures with Alfalfa

For the ForageMax programme DLF-TRIFOLIUM has created a special mixture with an optimal content of Alfalfa and adapted grasses. The mixture have been developed in a version for cold & temperate as well as for hot & dry conditions.

CutMax Alfa Protein for cold & temperate regions

Consisting of Red Clover, Alfalfa, Festulolium, Perennial Ryegrass, Timothy and Cocksfoot. This means grasses suited for a cold & temperate climate. It is a long-term conservation mixture with a high proportion of legumes. It fits very well for a 3 cut system for silage or hay production.

CutMax Alfa Protein for hot & dry conditions

Consisting of Alfalfa, Hybrid Ryegrass, Cocksfoot, Tall Fescue and Bromus enermis. This means grasses suited for a more hot & dry climate. It is a long-term conservation mixture with a high proportion of legumes. It fits very well for a 3 cut system for silage or hay production.

For more information on ForageMax mixtures, please see www.dlf.com under Forage.

