

Nitrogen (N)

Nitrogen is the key to productive grassland ensuring high yields throughout the growing season.

Proper use on N leads to higher tillering rates and longer life of productive swards.

Phosphorus (P)

P is an essential for plant growth and animal health.

P level requirements are best determined by soil analysis. The ideal level in soils is a minimum of Index 3. (5.1-8.0 mg/litre)

P applied as a fertiliser replaces the P removed in the production of milk, meat and grain. It takes 1kg of P to replace 1000 litres of milk or 100kg live-weight gain.

Potassium (K)

Potassium is essential for plant growth and a deficiency can significantly reduce output.

K level requirements are best determined by soil analysis. The ideal level in soils is a minimum of Index 3.(101-150 mg/litre)

K content of grass is high and silage crops can reduce large quantities of K very quickly.

IFI produces a quality range of fertilisers

Leifi Start, Leifi Boost and Leifi Grass are high quality, free flowing, fertilisers to ensure there is no segregation of nutrients.

This ensures accurate distribution of required nutrients and an even spread pattern. Leifi Start, Leifi Boost and Leifi Grass are highly water soluble thereby ensuring immediate plant uptake of required nutrients.

Use of lime, soil PH

The optimum pH for grass growth and the most efficient use of NPK fertilisers is 6.2-6.5. Soils with a low pH should be limed as soon as ground conditions allow.

Recommendations:

- *Leifi Start: 1-2 bags per acre in early spring between grazing cycles particularly in the first part of the season.*
- *Leifi Boost: 1-2 bags per acre between grazing cycles. 4-5 bags per acre on silage ground.*
- *Leifi Grass: 1-2 bags per acre for grazing; 3-5 bags per acre for hay and silage at closing.*



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The LeIFI System

NOURISHING YOUR CROPS
WITH PRECISION



Leifi Grass
(20%N; 4%P;
10%K)

Leifi Start
(25% N;4% P)

Leifi Boost
(19% N; 15% K)



To produce top quality high yielding swards.

For maximum profitability and efficiency it is vital that grass swards start to grow early in the season and that the growing period is extended for as long as possible.

It is important to have sufficient high quality grass ahead of stock in the grazing rotation to ensure maximum output.

Many livestock farms take two cuts of silage and the objective has to be to take both cuts at the correct time to ensure good fodder quality and high yields.

Grass swards will not yield to their potential nor will quality be of sufficient standard unless soil fertility is managed in such a way as to reach its full potential.

When choosing a fertiliser it is vital that there is a proper balance of essential nutrients (N,P,K,S) and that the quality of the product is consistent to allow for accurate application.

It is also vitally important that soil pH levels are monitored and lime applied where necessary. Fertilisers work best when soil pH is in the range 6.2-6.5.

Leifi Start (25% N;4% P)

The original and long established solution to provide Nitrogen(N) and Phosphorous(P) to soils with low P index and with high K index.

The combination of N and P is ideal for early grass production helping to kick start growth in the spring.

Helps maintain P levels in herbage in line with dietary requirements of high producing animals.

In soils with high K index allows adequate uptake of nutrients without the possibility of luxury uptake of K.

Ideal fertiliser when used in conjunction with high levels of cattle slurry.

High quality granular product for ease of application. Water soluble, allowing immediate availability of nutrients to the growing plant.

Leifi Boost (19% N; 15% K)

The original and long established solution to provide Nitrogen(N) and



Potassium(K) to soils deficient in K and / or with a high Phosphorous(P) index.

The balance of N to K in the fertiliser provides sufficient K without having luxury uptake of Potassium(K).

Potassium(K) applied in modest amounts throughout the growing season provides the plant with K rather than allowing the soil to absorb the nutrient, which can occur in K fixing soils, preventing availability to the plant.

High quality granular product, water soluble, immediately available to the growing plant.

Leifi Grass (20%N; 4%P; 10%K)

Well balanced fertiliser containing all three essential nutrients. N, P and K.

High quality product water soluble and immediately available to the growing plant.

Ideal for use on drystock farms where soil fertility is good.

Good value fertiliser suitable for well maintained soils.

