

## Nitrogen Coated Seed for Overseeding

**GrassMax™**

**ProNitro®**

READY TO GROW



50% SOLAS	Tetraploid Ryegrass
40% ASPECT	Tetraploid Ryegrass
10% IONA	White Clover

10 kg/acre (25kg/ha)

- Sow from 10kg/acre, 25kg/ha
- Feeds the seed and not the surrounding grass giving up to 34% more viable plants and up to 30% increase in root growth
- Can increase forage yield and therefore benefit from more meat and milk production
- Targeted nutrient application which can reduce losses to the environment by up to 50%

## DLF Plus™ Grasses

A new generation of festulolium grasses are now available in the Shield range. Ryegrass Plus™ grasses bring excellent stress tolerance qualities whilst maintaining yield and quality. An ideal companion to red clover for high yield high quality silage.

Ryegrass

**PLUS**

*Festulolium by DLF*

## Perun

- Very high yields
- Good feed values
- Excellent re-growth after cutting
- Late heading
- High stress tolerance

## Lofa

- Excellent early spring growth
- High stress tolerance
- Good forage quality
- Good persistence

## Optimise your livestock production with DLF Fiber Energy™

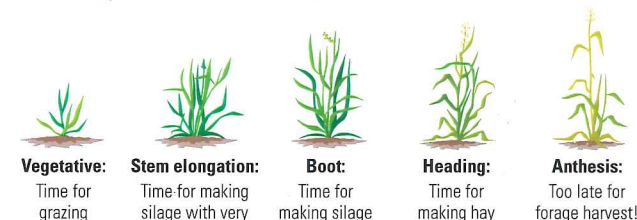
Water, nutrients and light are used by grasses for growth in the creation of cells which, are made up of cell content and cell walls.



The cell content is fully digestible and accounts for around one third of the energy available from the grass. The balance of the energy is held within the cell wall which contains both digestible and indigestible components. Modern breeding techniques at DLF, enable the selection of varieties that contain higher levels of cell wall digestibility. This is known as DLF Fiber Energy™ which is capable of releasing higher levels of energy that can be utilised by the rumen.

These varieties are grouped together under the same brand called DLF FIBER ENERGY.

- 1% higher FIBER ENERGY = 0.25 litre more milk per cow per day
- Trial results show 3-6% differences between commonly used varieties, so 4% = 1 litre of milk extra per cow per day, when choosing a top digestible variety
- High FIBER ENERGY also results in lower nitrogen release to the environment due to a better balance between protein and carbohydrates in the cow's diet.



## GRASS SEED MIXTURES

### Number One for Quality and Yield

The SHIELD range of grass seed mixtures has been specially formulated for Northern Ireland to provide persistent, high yielding swards with excellent forage quality. Varieties are selected on the basis of their suitability for cutting and or grazing.

The key factors considered in variety selection are:

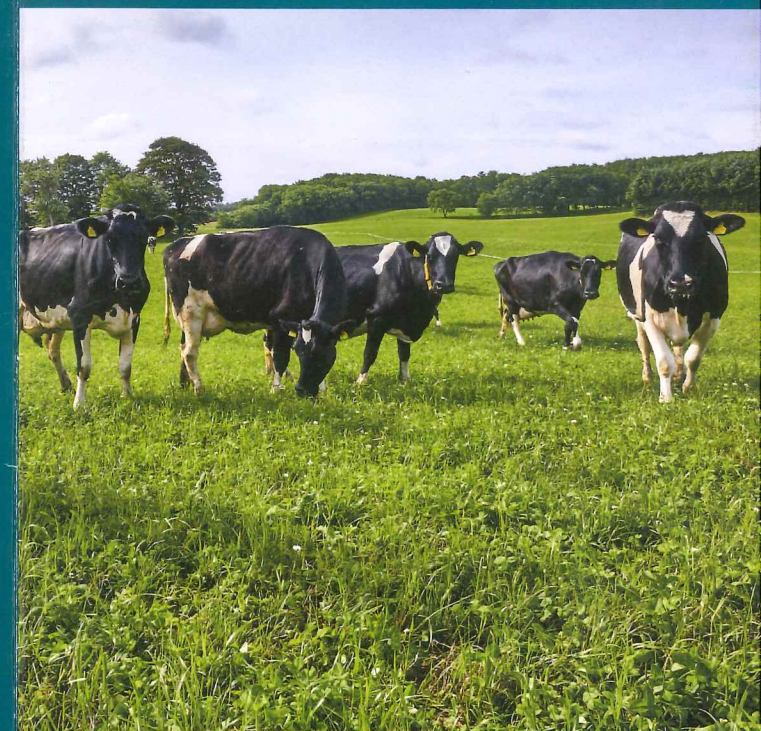
- YIELD
- PERSISTENCE
- SWARD DENSITY
- PROTEIN AND DIGESTIBLE FIBRE CONTENT
- WINTER HARDINESS
- DISEASE RESISTANCE

All varieties are certified for seed purity and germination ensuring significant benefits over the poorer EU statutory minimum seed certification scheme. In addition to the high performance SHIELD range, other specialists mixtures including mixtures based on traditional species for more extensive use and mixtures for the organic farmer, are available on request.

FOR TECHNICAL ADVICE  
PLEASE CALL BRIAN ON

07860681142

Your nearest SHIELD distributor is:



**SHIELD**  
QUALITY GRASS  
MIXTURES

07860681142





### CLAMP BUSTER

A highly productive one to two year mix primarily for cutting but also suitable for grazing.

4.2kg PERUN	Ryegrass <b>PLUS</b>
4.2kg DANERGO	Tetraploid Italian Ryegrass
5.6kg ALAMO	Italian Ryegrass

14 kg/acre (35kg/ha)

- High silage yields enhanced with Perun
- Good early spring and autumn growth for grazing
- Very good annual yield from Alamo
- Tight range of heading dates



### No7 Bio Advance Intensive Silage

A three to four year intensive cutting mixture for multi-cut silage systems.

3kg LOFA	Ryegrass <b>PLUS</b>
6kg TETRAGRAZE	Tetraploid Hybrid Ryegrass
5kg BOYNE	Intermediate PRG

14 kg/acre (35kg/ha)

- Red clover inclusion is available on request
- Lofa for high yields and persistence
- High tetraploid content to provide high sugar levels for silage fermentation
- High D values at first cut
- Good recovery for second and subsequent cuts



### Shield No2

A medium term dual purpose mixture with a bias towards cutting designed for two good cuts of silage followed by aftermath grazing.

3kg BOYNE	Intermediate PRG
3KG DIWAN	Tetraploid intermediate PRG
2KG TODDINGTON	Late PRG
3KG SMILE	Late PRG
2KG ASPECT	Tetraploid Late PRG
1KG SHIELD N	Dual Purpose White Clover Blend

14 kg/acre (35kg/ha)

- Very good spring growth for high first cut yields but with later heading varieties allowing flexibility of cutting dates for the required combination of yield and quality.
- Contains high FIBER ENERGY varieties Smile and Diwan for excellent digestibility
- Clover blend designed for dual purpose application



Varieties in green are DLF FIBER ENERGY

### Shield No 5

Specially designed for intensive grazing systems and suitable for medium to long term use. Shield No 5 will provide a dense, persistent and productive grazing sward.

1.5kg NIFTY	Intermediate PRG
1.5kg SOLOMON	Intermediate PRG
2kg TRIWARWIC	Tetraploid Intermediate PRG
2kg SMILE	Late PRG
2kg CANCAN	Late PRG
2kg TODDINGTON	Late PRG
2kg ASPECT	Tetraploid Late PRG
1kg SHIELD N	Grazing White Clover Blend

14 kg/acre (35kg/ha)

- Varieties chosen for grazing yield
- Contains high FIBER ENERGY varieties for maximum intake
- Very good sward density and persistency under grazing
- Excellent forage quality and palatability
- Blend of clover varieties selected for grazing persistency



Varieties in green are DLF FIBER ENERGY

### Shield No. 6 EMERALD VALLEY

A versatile permanent mixture incorporating a broad spread of varieties to provide a balanced sward suitable for any combination of cutting and grazing.

1.5kg SOLOMON	Intermediate PRG
2kg BOYNE	Intermediate PRG
2kg DIWAN	Tetraploid Intermediate PRG
2kg CANCAN	Late PRG
2kg TODDINGTON	Late PRG
2kg ASPECT	Tetraploid Late PRG
0.5kg MAXIMA	Creeping Red Fescue
1kg PROMESE	Timothy
1kg SHIELD N	Dual Purpose White Clover Blend

14 kg/acre (35kg/ha)

- Spread of varieties to provide a versatile mix for cutting or grazing
- High sugars will aid silage fermentation and promote intake
- Very persistent and winter hardy
- Good spring growth for early bite
- Timothy content for early spring growth, yield potential, palatability and winter hardiness
- Clovers selected for persistence under long term dual purpose management
- No clover version available



Varieties in green are DLF FIBER ENERGY

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### Management

For best germination and establishment grass seed should be sown into a firm, fine seedbed with a minimum soil pH of 5.8.

The seedbed should be well consolidated and rolled both before and after sowing. As establishing grass has a low nitrogen but high phosphate and potash requirement a suitable low N, high P and K fertiliser should be applied in the seedbed.

Trace elements and growth promotion are also important and for best results apply:

### TIMAC PHYSIOLITH

- 99% Reactive coral calcium
- Fast acting calcium oxide with abundant trace elements
- Contains algae which enhances the bacterial and worm environment
- Releases locked up nutrients



### Pro Master 51 Lawnseed

10KGS

Sowing Rate: 35-50g/m<sup>2</sup>

Mowing Height: Down to 13mm

Ideal for landscaping and lawns. Contain our unique 4 turf tetraploid ryegrass giving rapid establishment, improved colour, increased drought tolerance and disease resistance.

Contains only STRI UK listed cultivars

