



MEDIUM TERM MIXTURES

4-8 YEARS



PROGRESS®

Dual Purpose

Versatile and reliable dual purpose mixture

- ◆ Carefully balanced formula to provide continuity of production for both grazing and cutting
- ◆ Excellent spring and autumn growth makes it ideal for extended grazing
- ◆ Adaptable and dependable to suit our changing times
- ◆ Suitable for all classes of livestock
- ◆ Recommended for early turnout which can be worth at least €0.90/cow/day
- ◆ Dense sward to resist poaching and treading and reduce ingress of weeds
- ◆ The Timothy and clover help to fill the mid-summer "grazing gap"

EARLY PERENNIAL RYEGRASS	8%
EARLY PERENNIAL RYEGRASS (TET)	14%
INTERMEDIATE PERENNIAL RYEGRASS	13%
INTERMEDIATE PERENNIAL RYEGRASS (TET)	11%
LATE PERENNIAL RYEGRASS	19%
LATE PERENNIAL RYEGRASS (TET)	22%
TIMOTHY	8%
WHITE CLOVER BLEND	5%



SCOTSWARD®

Mainly Cutting

For multiple cuts of top quality silage

- ◆ High yields of top quality silage to boost milk or meat production
- ◆ Good resistance to lodging
- ◆ Quality aftermath grazing
- ◆ Established reputation for bulky yields more normally associated with shorter duration mixtures
- ◆ Inclusion of top rated Tetraploid ryegrass TWYMAX and DELPHIN with high sugars to improve silage fermentation

Suggested seed rate:
13-16 kgs/acre (32-40 kg/ha)

Guide cutting height:
7.5cm (3 inches)

INTERMEDIATE PERENNIAL RYEGRASS	16%
INTERMEDIATE PERENNIAL RYEGRASS (TET)	15.5%
LATE PERENNIAL RYEGRASS	26.5%
LATE PERENNIAL RYEGRASS (TET)	29%
TIMOTHY	8%
WHITE CLOVER BLEND	5%



Two Classic Mixtures!

Trevor Crowley is a dairy and beef farmer from Lissarda Co. Cork. He has been a customer of Southern Fuel and Farm Supplies for many years and he has been using Sinclair McGill exclusively on his farm for the last 13 years.

Castlehill and Scotsward are his two preferred Sinclair McGill grasses, mainly because of their dual purpose qualities. When asked, Trevor's three main reasons for choosing Sinclair McGill were as follows;

"Firstly, I keep choosing these grasses because of their longevity. The first field that I put in thirteen years ago is still producing as effectively now as it did ten years ago and for that reason I do not have to worry about reseeding every



◆ Trevor Crowley in a field of Castlehill

cheaper mixes, Sinclair McGill does not get infested by weeds as all of the varieties in the mix seem to complement each other and do not allow weeds to develop in the sward.

Secondly, I feel their output is second to none; I have seen farmers who are using other mixes when they reseed yet I can have my cows out two to three weeks before they have them out and two to three weeks after. For that reason alone Sinclair McGill output is far superior to anything I have seen before.

Finally, the recovery rate is unbelievable even from the field of Scotsward I cut yesterday evening for second cut, it is starting to recover and turn green already. The main reason I believe this

is happening is because unlike other grasses Sinclair McGill does not lodge even after heavy rain and as a result of this there is continuous light and heat getting to the soil and to the root of the grasses which will obviously improve the recovery rate."



◆ A freshly mowed field of Scotsward

Mainly Grazing

Medium to long term intensive grazing mixture for maximum production of milk or meat

- ◆ For intensive grazing with one cut of high quality silage
- ◆ Very rapid re-growth
- ◆ Contains TWYMAX and MONTOVA for high voluntary intake
- ◆ High tetraploid content can produce an extra two litres of milk per day
- ◆ Later heading for stem free grazing
- ◆ OPTIMISE THE CHEAPEST SOURCE OF FEED ON YOUR FARM – GRAZE TURBO!



INTERMEDIATE PERENNIAL RYEGRASS	5%
INTERMEDIATE PERENNIAL RYEGRASS (TET)	10%
LATE PERENNIAL RYEGRASS	27%
LATE PERENNIAL RYEGRASS (TET)	47%
TIMOTHY	6%
WHITE CLOVER BLEND	5%

- ◆ A field of Turbo which has been in production for well over a decade!



A 'Turbo' Powered Mixture!

Adrian Brooks from Ennis Co. Clare explains why Sinclair McGill is a must when choosing a grass ley.

Adrian Brooks is a dairy farmer from just outside Ennis in Co Clare and reseeded last year with the **Sinclair McGill Turbo Mix**. When asked what his feelings towards this grass mixture were he couldn't have made the message any clearer.

"The very first thing I noticed with the **Turbo Mix** from Sinclair McGill was after six weeks there was a good cover of grass throughout the whole field whereas with previous grass seed the field was patchy. I put this down to the purity of the seed and the 'Headstart formula' which is used in Sinclair McGill products.

The germination rates of the seed were the highest I had ever used. I had my cows in grazing after eight weeks. I have used other grass mixtures in the past and I have found that certain varieties did not succeed but this **Turbo Mix** thrived and I believe each of the varieties in the mix complemented each other.

The other massive advantage was the incredible growth rates during the winter and Turbo had far superior growth rates compared to any other grass seed mix I have used on the farm."

- ◆ Turbo can also provide a useful cut of silage



PROSPER

Dual Purpose

One/two cuts of highly digestible silage plus quality grazing

- ◆ Very palatable mixture for high 'DMD' value silage and grazing
- ◆ Every extra point in 'DMD' value can give a 5% increase in meat or milk production or give equivalent savings in bought-in feed
- ◆ The inclusion of top quality tetraploids such as the new variety NIAGARA and EDDA and the nutritious CLOVERPLUS white clover blend enhances PROSPER'S potential to deliver very high ME silage
- ◆ High yields can reduce silage-making costs by up to €25 per tonne of dry matter

Suggested seed rate:
14-16 kgs/acre (35-40 kg/ha)

Guide cutting height:
4 inches (10cm)

INTERMEDIATE PERENNIAL RYEGRASS	17%
INTERMEDIATE PERENNIAL RYEGRASS (TET)	25%
LATE PERENNIAL RYEGRASS	17%
LATE PERENNIAL RYEGRASS (TET)	36%
WHITE CLOVER BLEND	5%

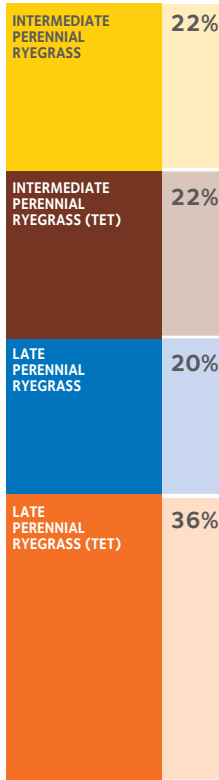


DERWENT

Dual Purpose

Medium to long term mixture for intensive farming conditions

- ◆ Another high quality mixture better suited to intensively managed farms in the better grass land growing areas of the country
- ◆ Derwent is capable of producing 2 to 3 silage cuts plus quality grazing
- ◆ If established in the autumn cheaper herbicides can be used and then white clover added to the ley the following spring (Pelleted CloverPlus with Headstart is ideal)



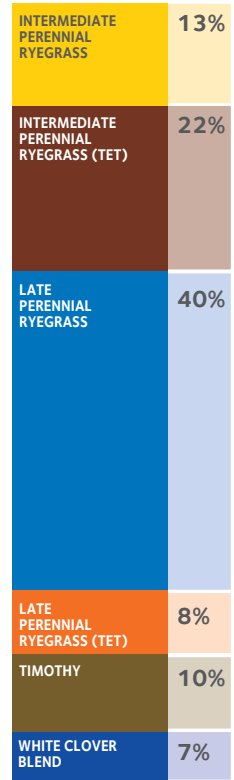
EXTRA LAMB

Mainly Grazing

Popular medium term mixture for economic lamb production

- ◆ This mixture is very popular with farmers producing lambs on intensive systems but on a lower cost production basis
- ◆ It includes CHEVIOT White Clover Blend which has been formulated especially for sheep grazing and is rich in nutrients necessary to achieve fast liveweight gains
- ◆ Now includes Matiz, high yielding late, leafy perennial ryegrass

Suggested seed rate:
13-16 kgs/acre (32-40 kg/ha)



Clover Blend Technology

Sinclair McGill pioneered the development of clover blends in the 1980's in association with IGER. Certain principles were established that are still valid today but the varieties we now use are far superior.

White Clover Blends

CloverPlus

This blend is designed for inclusion in ley mixtures designed for beef and dairy systems. It includes varieties with a range of leaf sizes that can adapt to grazing with cattle and cutting for silage.

Cheviot

A specialist blend primarily made up of very small leaved varieties with excellent persistence to stand up to the rigours of intensive and close grazing by sheep. As sheep are selective grazers it also includes some clover with large leaves which act as a "decoy" during the establishment phase.

Tweed

A highly adaptable and persistent blend, for inclusion in long term mixtures. The range of leaf sizes enables Tweed to adapt to suit all classes of livestock and most management systems.

Clover Plus Pelleted White Clover Blend

- ◆ Ideal for introducing clover into existing grass swards.
- ◆ Pellet increases the size and weight of the seed enabling easier drill adjustment and more accurate distribution.
- ◆ Treated with HEADSTART® a biological treatment proven to speed up germination and improve establishment.
- ◆ Pellet improves seed flow for more even distribution when broadcast.
- ◆ Suitable for broadcasting, harrows with a seed box and slot seeding.



Red Clover Blend

Red Admiral

Farm scale trials have proven that this blend can deliver consistently high yields of protein rich forage for three full harvest years. It contains a blend of diploid and tetraploid varieties which cover a range of flowering dates enabling up to three cuts to be taken every year. Now includes Maro - highest yields on NIAB list.

Dormal®

Pre-inoculant now available for Red Admiral Clover Blend

◆ Inoculation with Clover Rhizobium has proven to improve establishment, increase the Clover Plant population and maximise the efficient fixation of atmospheric nitrogen.

- ◆ Dormal bacteria for true Clovers and Lucerne are scientifically selected strains with high activity and stress tolerance, making it an efficient and reliable product.
- ◆ Dormal adheres to the seed in the form of dormant spores which will germinate with the seed and colonise the root zone.
- ◆ Dormal has a long shelf-life and therefore disposes of the task of inoculating the seeds at the point of drilling.
- ◆ The improved establishment leads to fewer weeds.
- ◆ Improved N status in soil for following crops.

Matrix Enhanced® Ryegrass

What is Matrix Enhanced® Ryegrass?

Matrix was developed by Cropmark® in New Zealand and it is a complex inter-generic hybrid consisting of about 80% diploid pasture Perennial Ryegrass and 20% Meadow Fescue.



What is Matrix For?

Matrix was bred as a high quality grazing grass with a much extended grazing season and very rapid regrowth. This makes it especially suited to paddock management or rotational grazing systems, but it can also be used for set stocking.

Benefits of Matrix Enhanced® Ryegrass

- ◆ Grows at lower temperatures than ryegrass giving up to **3 weeks extra growth in the spring!**
- ◆ Matrix also grows much later in the autumn than ryegrass, giving up to **another 3 weeks extra grazing!**
- ◆ Very rapid regrowth particularly when defoliated at the 3 leaves per tiller stage
- ◆ Very dense fine leaved sward resists poaching and treading
- ◆ Complex genetic make up enhances forage quality and digestibility. For best results graze when there are 3 true leaves per tiller

Matrix Enhanced® Ryegrass Mixtures Management Guidelines

Sowing Rate

We recommend a sowing rate of 12.5 kilos/acre but it can be sown at higher seeding rates.

Sowing Time

Treat as you would any conventional grass/clover mixture. Depending on where you are located, the clover may not germinate if sown too late in the autumn when soil temperatures are falling. Spring to mid-August is ideal.

Sowing Method

Treat as any grass mixture, drill or broadcast into a fine, firm seed bed and roll in afterwards. If drilling, we recommend that Matrix Enhanced® Ryegrass Mixtures are cross drilled.

Grazing

Mixtures are more easily managed on a paddock grazing system as pioneered in New Zealand, where Matrix was developed.

When the Matrix in the mixture has 3 true leaves per tiller, it is ready for grazing. At this point, it is likely to yield between 2500 – 2800 kgs DM/ha. After grazing the residual grass should be 1400 – 1600 kgs DM/ha for cattle and 1000 – 1200 kgs DM/ha for sheep. If grass gets beyond the 3 leaf stage prior to grazing, quality will drop and regrowth will be slower. If you are using a rising plate meter, you will need to make allowances for the improved density of a Matrix based mixture.

On a typical New Zealand system, every paddock will be grazed 10 -12 times a year.

Matrix should be grazed hard or cut low late in the autumn, before the onset of winter to avoid winter kill.

Matrix Enhanced® Ryegrass Mixtures

Matrix 40 Enhanced® Ryegrass Mixture

40%	Matrix Enhanced® Ryegrass
35%	Twymax Late Perennial Ryegrass (Tetraploid)
7.5%	Cancan Late Perennial Ryegrass
7.5%	Romark Late Perennial Ryegrass
5%	Grasslands Demand White Clover
5%	Makuri White Clover
<u>100%</u>	

Our most popular Enhanced® Ryegrass mixture suitable for most areas in Ireland. Like all the Enhanced® ryegrass mixtures Matrix 40 is best suited to intensive grazing regimes.

Matrix 70 Enhanced® Ryegrass Mixture

70%	Matrix Enhanced® Ryegrass
20%	Twymax Late Perennial Ryegrass (Tetraploid)
5%	Grasslands Demand White Clover
5%	Makuri White Clover
<u>100%</u>	

Only recommended for the warmer parts of the country; unless overseeding an existing pasture.

The recommended sowing rate for these mixtures is 12.5kg/acre and the pack size is 25kg

◆ *Ian Misselbrook speaking to Sinclair McGill agents at 2010 Matrix Launch on farm of Jim Curran, Grange, Waterford.*

