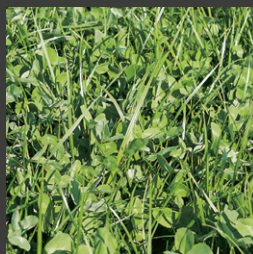




# FIELD OPTIONS

PROCAM PERFORMANCE SEEDS



## GRASS & FORAGE GUIDE

# A range that delivers

The Field Options ProCam Performance Seeds grass and forage range is designed with optimum forage production and livestock performance in mind. With continuing market pressures on farming, growing and utilising more grass and forage is key to the profitability of all ruminant livestock enterprises.

Whether you're needing a short term catch crop, a silaging ley to provide big yields of high-quality silage or a long-term grazing ley, our mixtures are formulated using the best combinations of species and varieties to optimise yields and quality.

We use our own independent trials to identify the true potential of varieties and select the best performers for our mixtures. Data from recommended lists and breeder trials is supported by our trials data, allowing us to select proven varieties and species for our portfolio, and allowing you to produce crops that will increase efficiency and lower production costs.

This leaflet contains a selection of some of the mixtures we have available that are tailored to meet the needs of various requirements or situations.

## CATCH CROP GRASS MIXTURES

### Hurricane III

5.0	<b>Melworld</b>	Westerworld Ryegrass
4.0	<b>Melsprinter</b>	Italian Ryegrass (Tet.)
3.5	<b>Syntilla</b>	Italian Ryegrass

Ideal when you need grass in a hurry, providing optimum performance for 6-18 months.

Based on a new high performance, persistent and hardy diploid westerwold ryegrass, Hurricane III produces big cuts of silage plus spring and autumn grazing where required.

All varieties are selected for combined high yield in the year of sowing plus a huge early 1st cut the following season.

Hurricane III can last up to 18 months, if required and has the potential to produce more than 10tDM/ha from a spring sowing. Hurricane III holds its D value much better than straight westerwolds.



Hurricane III

### Hurricane III Pro-Nitro

A range of formulae are available depending on the month of sowing and the longevity required. Vigorous annual and biennial legumes complement the Hurricane III grass blend to give even higher yield potential, especially in dry seasons, and improved protein content.

These CNUM2-compliant mixtures boost fertility and give excellent aftermath grazing potential.



Hurricane III Pro-Nitro

## SHORT-TERM GRASS MIXTURES

Tomahawk		
4.0	<b>Melsprinter</b>	Italian Ryegrass (Tet.)
3.5	<b>Shakira</b>	Italian Ryegrass
3.5	<b>Syntilla</b>	Italian Ryegrass
3.0	<b>Cordial</b>	Italian Ryegrass (Tet.)

A 1-2-year conservation mixture with massive yield potential, based on high performing Italian ryegrasses with the best combination of yield and persistence through to a second season. Provides unrivalled yield for up to two full seasons of production and produces excellent spring growth with a big first cut, maintaining ME for 2nd cut much better than typical Italian Ryegrass mixtures.

A version including timothy is available for quality equine haylage production.

A Pro-Nitro version containing Red Clover for extra protein content, drought tolerance and lower nitrogen fertiliser dependence is also available.

Tomahawk Pro-Nitro is CNUM2 compliant.

Spitfire		
3.5	<b>Alamo</b>	Italian Ryegrass
1.5	<b>AberEcho</b>	Hybrid Ryegrass (Tet.)
1.5	<b>Kirial</b>	Hybrid Ryegrass (Tet.)
4.0	<b>Cordial</b>	Hybrid Ryegrass (Tet.)
2.0	<b>AberSpey</b>	Int Perennial Ryegrass (Tet.)
1.5	<b>AberZeus</b>	Int Perennial Ryegrass

A 2-3-year conservation ley providing high energy yields thanks to the inclusion of hybrid and perennial ryegrasses.

Spitfire holds its quality longer than pure Italian based mixtures, produces a much denser sward and can last for up to 3 years. Very good spring growth is followed by excellent yields at 1st and 2nd cut, with good 2nd cut digestibility optimising silage quality.

A Pro-Nitro version containing red clover for extra protein content, drought tolerance and lower nitrogen fertiliser dependence is available. Spitfire Pro-Nitro is CNUM2 compliant and is also available as an organic version.



Spitfire

## SHORT TO MEDIUM-TERM GRASS MIXTURES

Hybrid 3x3		
1.0	<b>AberEcho</b>	Hybrid Ryegrass (Tet.)
1.5	<b>Kirial</b>	Hybrid Ryegrass (Tet.)
4.0	<b>Cordial</b>	Hybrid Ryegrass (Tet.)
3.0	<b>AberSpey</b>	Int Perennial Ryegrass (Tet.)
3.5	<b>AberZeus</b>	Int Perennial Ryegrass
0.6	<b>AberSwan</b>	White Clover
0.4	<b>AberDai</b>	White Clover

Hybrid 3x3 produces high yields of silage for 3 years. The hybrid ryegrasses combine high yield, high ME and persistence with good resistance to key diseases. They are combined with some of the best performing perennial ryegrasses to provide impressive yields, similar to those from Italian ryegrasses, but with simpler management and more persistence. Quality at 2nd and 3rd cut is maintained better than with Italian mixtures and the very high sugar content improves fermentation in the clamp. This mixture is ideal for multi-cut silage or zero grazing and provides very good grazing in spring and late summer/autumn.

A Pro-Nitro version containing red clover for extra protein content, drought tolerance and lower nitrogen fertiliser dependence is available. A no-clover version is also available.

Hybrid 3x3 and Hybrid 3x3 Pro-Nitro are CNUM2 compliant. All three Hybrid 3x3 mixtures are available as organic versions.



Hybrid 3x3 Pro-Nitro

## MEDIUM-TERM GRASS MIXTURES

Grassmaster HS		
2.0	<b>AberSpey</b>	Int Perennial Ryegrass (Tet.)
2.0	<b>AstonVision</b>	Int Perennial Ryegrass (Tet.)
3.0	<b>AberGreen</b>	Int Perennial Ryegrass
1.5	<b>AberGain</b>	Late Perennial Ryegrass (Tet.)
1.9	<b>AberBann</b>	Late Perennial Ryegrass
1.9	<b>AberThames</b>	Late Perennial Ryegrass
0.7	<b>Comer</b>	Timothy
0.5	<b>AberSwan</b>	White Clover
0.5	<b>AberDai</b>	White Clover

A cutting and grazing mixture which provides top yields of quality silage and/or palatable grazing for five years or more.

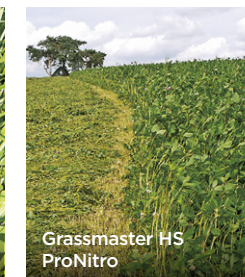
Grassmaster HS provides good spring growth, with high yields at 1st cut and flexibility over cutting date. Mid and late season growth is boosted by AberGreen, AberGain and AberBann making the mixture ideal for multi-cut silage or zero-grazing use. The clovers are selected for their ability to cope in a cutting regime and adapt well to either sheep or cattle grazing.

A Pro-Nitro version containing red clover for extra protein content, drought tolerance and lower nitrogen fertiliser dependence is available, and a no-clover version is also available.

Grassmaster HS and Grassmaster HS Pro-Nitro are CNUM2 compliant. All three Grassmaster HS mixtures are available as organic versions.



Grassmaster HS



Grassmaster HS ProNitro



## MEDIUM TO LONG-TERM GRAZING MIXTURES

Ultra-Lamb		
2.5	<b>AstonVision</b>	Int Perennial Ryegrass (Tet.)
3.5	<b>AberZeus</b>	Int Perennial Ryegrass
2.5	<b>AberGain</b>	Late Perennial Ryegrass (Tet.)
1.9	<b>AberBann</b>	Late Perennial Ryegrass
1.9	<b>AberThames</b>	Late Perennial Ryegrass
3.0	<b>Comer</b>	Timothy
0.7	<b>AberDai</b>	White Clover
0.125	<b>AberPearl/Coolfin</b>	White Clover
0.125	<b>AberHerald</b>	White Clover
0.25	<b>AberLasting</b>	White Clover

Designed to provide optimum performance for progressive sheep enterprises, Ultra-Lamb includes varieties selected for stronger spring growth, palatability, high sward density and very persistent clover.

Very early spring growth is followed by strong summer and autumn growth for lamb finishing. Highly adaptable clovers, tolerant of hard grazing regimes are used, while the late heading dates of grasses provide for easier management.

Surplus production can make excellent quality hay or silage if required. A herbal version is available, containing plantain, chicory and yarrow, to enhance grazing performance through improved mineral content and to provide extra production during dry periods.

Ultra-Lamb and Ultra-Lamb herbal are both CNUM2 compliant. Ultra-Lamb Herbal is CSAM3 compliant. Organic versions of both are available.

Ultra-Bite II		
3.0	<b>AberGreen</b>	Int Perennial Ryegrass
2.5	<b>AberGain</b>	Late Perennial Ryegrass (Tet.)
2.0	<b>Nashota</b>	Late Perennial Ryegrass (Tet.)
2.0	<b>AberBann</b>	Late Perennial Ryegrass
3.5	<b>AberLee</b>	Late Perennial Ryegrass
0.5	<b>AberSwan</b>	White Clover
0.5	<b>AberDai</b>	White Clover

Ultra-Bite II is based on the very best performing late perennial ryegrasses.

The mixture produces a very dense, hard wearing sward providing season-long production of highly palatable grass and clover.

With 35% tetraploid grasses, production and palatability are enhanced without sacrificing density and persistence. Varieties are selected for palatability and long season growth, while late heading dates make grazing management easier.

Clovers are selected to tolerate intensive grazing and high fertility. Surplus production can make excellent quality silage if required.

No-clover and herbal versions are available.

Ultra-Bite II and Ultra-Bite II Herbal are CNUM2 compliant. Ultra-Bite II Herbal is CSAM3 complaint.

Organic versions of Ultra-Bite II and Ultra-Bite II Herbal are available.

## LONG-TERM MIXTURES

Preference		
3.5	<b>AberGreen</b>	Int Perennial Ryegrass
2.0	<b>Nashota</b>	Late Perennial Ryegrass (Tet.)
2.0	<b>AberBann</b>	Late Perennial Ryegrass
2.0	<b>Delika</b>	Late Perennial Ryegrass
2.3	<b>AberLee</b>	Late Perennial Ryegrass
0.7	<b>Comer</b>	Timothy
0.3	<b>AberSwan</b>	White Clover
0.3	<b>AberDai</b>	White Clover
0.2	<b>AberPearl/Coolfin</b>	White Clover
0.2	<b>AberHerald</b>	White Clover

Our best-selling mixture, Preference, produces a highly palatable, productive and very dense sward. Although formulated primarily for grazing with an emphasis on longevity, it is adapted to a wide range of management regimes and can produce high yields of quality hay or silage. Suited to both sheep and cattle grazing, this mixture utilises the top clover varieties adapted to the harshest grazing regimes. Preference provides very good cutting yields for a late heading mixture and holds its quality over a long period, adding flexibility to silage dates.

A Pro-Nitro version containing red clover for extra protein content, drought tolerance and lower nitrogen fertiliser dependence is available, and a no-clover version is also available.

Preference Herbal contains plantain, chicory and yarrow to enhance grazing performance through improved mineral content and extra production during dry periods. A no-chicory version of Preference Herbal is available.

Preference, Preference Pro-Nitro and Preference Herbal are CNUM2 compliant, and Preference Herbal is CSAM3 compliant.

Preference, Preference Pro-Nitro and Preference Herbal are available as organic versions.

## SPECIALIST LONG-TERM MIXTURES

Endurance II		
3.0	<b>AberGreen</b>	Int Perennial Ryegrass
2.95	<b>AberLee</b>	Late Perennial Ryegrass
2.5	<b>AberGain</b>	Late Perennial Ryegrass (Tet.)
1.0	<b>Comer</b>	Timothy
1.5	<b>Donata</b>	Cocksfoot
1.0	<b>Lucullus</b>	Cocksfoot
0.8	<b>AberClaret</b>	Red Clover
0.5	<b>AberDai</b>	White Clover
0.125	<b>AberPearl/Coolfin</b>	White Clover
0.125	<b>AberHerald</b>	White Clover
0.5	<b>AberLasting</b>	White Clover

A long-term mixture for dry land, Endurance II contains a range of species adapted to these soil types and conditions.

Primarily suited to grazing, Endurance II provides a very long growing season and not just excellent dry season performance, but also very good persistence and winter hardiness.

Modern cocksfoot varieties are more palatable and less prone to producing tussocks than traditional varieties.

Endurance II Herbal contains plantain, chicory and yarrow to enhance grazing performance through improved mineral content and extra production during dry periods.

Endurance II and Endurance II Herbal are CNUM2 compliant.

Endurance II Herbal is CSAM3 complaint. Organic versions of both are available.

## SPECIALIST LONG-TERM MIXTURES

Invincible		
2.5	<b>AberGreen</b>	Int Perennial Ryegrass
2.5	<b>AberLee</b>	Late Perennial Ryegrass
3.1	<b>Delika</b>	Late Perennial Ryegrass
1.0	<b>Comer</b>	Timothy
1.5	<b>Laura</b>	Meadow Fescue
2.0	<b>Donata</b>	Cocksfoot
0.4	<b>Aurora</b>	Alsike Clover
0.8	<b>AberDai</b>	White Clover
0.2	<b>AberLasting</b>	White Clover

A long-term mixture for wet lying land, Invincible contains species which tolerate flooding and high winter water tables. It also includes some of the most persistent of the high-performance perennial ryegrasses and clovers.

Invincible needs to be well established before it is first immersed in water, but once established produces a very dense, hard-wearing sward which persists much better than a standard long-term mixture in these challenging conditions and can be used for grazing sheep or cattle.

Invincible is CNUM2 compliant and an organic version is available.

Highlander		
3.0	<b>AberGreen</b>	Int Perennial Ryegrass
3.5	<b>AberBann</b>	Late Perennial Ryegrass
3.0	<b>AberLee</b>	Late Perennial Ryegrass
1.5	<b>Comer</b>	Timothy
1.4	<b>Maxima</b>	Strong Creeping Red Fescue
0.5	<b>Aurora</b>	Alsike Clover
0.5	<b>AberDai</b>	White Clover
0.2	<b>AberPearl/Coolfin</b>	White Clover
0.2	<b>AberHerald</b>	White Clover
0.2	<b>AberAce</b>	White Clover

A long-term mixture for hill and marginal land, Highlander is similar to Preference but with added hardiness. For use in exposed hill locations or high rainfall areas, Highlander produces an exceptionally dense, hardwearing, productive sward. Tolerant to pH and fertility variation and with excellent winter hardiness, Highlander contains a high clover content with varieties that are tolerant to hard grazing regimes.

Highlander is CNUM2 compliant.

## FORAGE CROP MIXTURES

Clampsaver II		
2.5	<b>Greenland</b>	Fodder Rape
17.5	<b>Fox</b>	Italian Ryegrass
4.0	<b>Marmilla</b>	Berseem Clover

A fodder rape, ryegrass and berseem clover mixture that can be sown from April through to August, ideal for summer use or for extending autumn-winter grazing. A fast-growing mixture, Clampsaver II is normally ready for grazing within 60 days of emergence. Italian ryegrasses do not head in the season of sowing and remain palatable and leafy through to the following spring, while the berseem clover enhances soil fertility and provides a broader nutritional profile.

Clampsaver II is SAM2 and CSAM2 compliant.



Clampsaver II

Summer Grazer Plus		
2.0	<b>Greenland</b>	Fodder Rape
2.0	<b>Puna II/Endure</b>	Grazing Chicory
5.0	<b>Marmilla</b>	Berseem Clover

A fodder rape, chicory and berseem clover mixture that provides an ideal drought-tolerant break crop for reliable summer grazing.



Summer Grazer Plus

## FORAGE CROP MIXTURES

## Winter Keep

1.25	<b>Maris Kestrel</b>	Kale
2.0	<b>Redstart</b>	Kale x Rape Hybrid
1.75	<b>Green Globe</b>	Maincrop Turnip

A hardy kale and turnip mixture designed for feeding ewes or lambs from October through to February when land is available for sowing by the end of July. Combines one of the best quality kales available with hardy turnips and a fast-growing kale/rape hybrid.



## Brassica Express

2.0	<b>Gorilla</b>	Fodder Rape
2.9	<b>Vollenda</b>	Stubble Turnip
0.1	<b>Maris Kestrel</b>	Kale

A fodder rape and stubble turnip mixture which can be sown from the end of March through to August. Brassica Express is designed for feeding sheep or cattle from summer through to autumn and winter. It is ready to graze 70-80 days from sowing. Fast and slower maturing varieties are combined with good bolting and disease resistance, hardiness and digestibility.

The fodder rape provides high protein and palatable leaf which holds quality over long periods, while the stubble turnips produce massive root yield and higher energy levels.



## NOTES

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

# WANT TO KNOW MORE?

Speak to your local ProCam agronomist or depot, or call the Field Options  
ProCam Performance Seeds information line: **01544 262500**

1. Robertson Crop Services – Kildary  
01862 842552
2. Robertson Crop Services – Cuminestown  
01888 544666
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01845 537555
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