G.O DAVIES

2020
SEED CATALOGUE
01743 884717

PROFIT FROM QUALITY GRASS

Grass - and the ability to grow it successfully for a large part of the year – offers UK livestock farming the potential for significantly lower costs of production.

As grazing or silage, grass is the mainstay for the vast majority of forage-based systems. It is the cheapest source of ruminant feed and the most important factor in modern dairy, beef and sheep farming profitability.

To take full advantage of grass, however, livestock farmers need to maintain sward quality and productivity through regular reseeding, and manage intakes through effective grazing and winter feeding strategies. It is also vital to have a good understanding of the nutritional qualities of grass. If the full feed value of grass is not known, there is every chance it will either be underutilised or inaccurately supplemented – its full potential lost.

Extensive research over 30 years has shown how high water soluble carbohydrate (WSC) content in Aber® High Sugar Grass (HSG) varieties improves performance and profitability in milk, beef and lamb production.

Research to improve the quality of grass continues at IBERS Aberystwyth University, with a focus on animal performance and increasing emphasis on the environmental benefits.

In addition to WSC, other quality traits including improvement of the fibre and lipid components of grass, are now included in project objectives.

Since proof of principle research established the value of a higher WSC content, a breeding programme has been ongoing to develop Aber HSG ryegrasses. Following the first Recommended List variety AberDart HSG in 2000, new varieties have continued onto the Recommended List, with higher and higher levels of WSC and – as a result – continually improved performance potential.

LEY MIXTURE RANGE

Cut & Graze

Kg*	Variety	Variety Type
4.00	AberClyde HSG	PRG Intermediate Tet
3.00	AberZeus HSG	PRG Intermediate Dip
2.00	AberChoice HSG	PRG Late Dip
2.00	Calao	PRG Late Tet
2.00	AberMagic HSG	PRG Intermediate Dip
0.33	AberHerald	White Clover Medium
0.33	AberDai	White Clover Medium
0.34	AberSwan	White Clover Medium Large
14.00		

- Full four to five years production
- High yielding varieties to suit all management styles
- Inclusion of Aber High Sugar Grasses (HSG) to give unrivalled palatability and digestibility
- Suitable for both cutting and for all livestock grazing

Clamp Buster

Kg*	Variety	Variety Type
3.00	Kigezi	Italian Ryegrass Tet
6.50	Libonus	Annual Ryegrass
3.50	Muriello	Italian Ryegrass Dip
13.00		

- One to two year ley
- Highest production possible
- Suitable for three to four cuts a year

Short Term Cutting

Kg*	Variety	Variety Type
5.00	AberEve HSG	Hybrid Tet
4.00	AberMagic HSG	PRG Intermediate Dip
4.00	AstonCrusader	Hybrid Tet
13.00		

- Full three years production from proven varieties
- Up to four cuts per year to increase silage production
- Early spring growth ensures early first cut
- High yielding varieties for maximum field production

Permanent Pasture

Kg*	Variety	Variety Type
3.00	AberChoice HSG	PRG Late Dip
3.00	AberMagic HSG	PRG Intermediate Dip
2.50	AberGain HSG	PRG Late Tet
2.50	AberDart HSG	PRG Intermediate Dip
2.00	AberLee HSG	PRG Late Dip
1.00	Comer	Timothy
0.40	AberDai	White Clover Medium
0.40	AberHerald	White Clover Medium
0.20	AberLasting	White Clover Small
15.00		

- Long term ley delivering up to 8 to 10 years of production
- Inclusion of Aber High Sugar Grasses (HSG) to give unrivalled palatability and digestibility
- Dense sward to reduce the instance of poaching, prolonging the ley
- Good grass growth profile to spread the production across the summer months

Kg*= Kg per pack
Tet = Tetraploid

YARA

Knowledge grows

Take Control of Nitrogen & Sulphur with **YaraBela™** AXAN

- Ammonia emissions are half that of urea plus inhibitor*
- Added sulphur – boost yield by up to 2t/ha
- Accurate and even spreading up to 54m

Yara Manufactured Product
YaraBela®
Very Low Ammonia Emissions

Good things have a way of coming together.

All Yara Area Managers are FACTS trained

* DEFRA, NT2605
** Full load = 28 tonnes. Proof of purchase must be uploaded to Yara Rewards to claim. Limited time only.

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MANAGING GRASS LIKE A CROP

Shropshire milk producer Mike Oakley grows and manages grass as he would an arable crop, typically reseeding every four years with Aber High Sugar Grass mixtures to maximise production from a four cut system.

This produces quality silage that is typically 12 ME and forms around half of the forage ration alongside maize. Grass silage and maize are fed as part of a mixed ration and topped up with concentrates in the parlour, with the aim being to maximise production from homegrown forages.

The 1,450 cow all-year-round calving herd are fully housed and produce 11,400 litres/head/lactation, milked three times a day through a modern rotary parlour.

Oakley Farming Ltd, Lower Shadymoor Farm, Shrewsbury, Shropshire

Aber HSG MIXTURES

Aber HSG 1 Milk and Meat Production

Kg/acre	Variety	Variety Type
3.00	**AberZeus HSG**	Intermediate Perennial Ryegrass
3.00	**AberWolf HSG**	Intermediate Perennial Ryegrass
4.00	**AberGreen HSG**	Intermediate Perennial Ryegrass
4.00	**AberGain HSG**	Late (T) Perennial Ryegrass
1.00	**AberDairy**	White Clover Blend
15.00		

- Long term general purpose mixture for maximising meat and milk production

Aber HSG 2 Early Cut

Kg/acre	Variety	Variety Type
4.00	**AberEcho HSG**	Hybrid (T) Ryegrass
5.00	**AberEve HSG**	Hybrid (T) Ryegrass
6.00	**AberClyde HSG**	Intermediate (T) Perennial Ryegrass
15.00		

- Medium term silage ley for those aiming to take a first cut of silage during the first half of May

Aber HSG 3 Long Term Grazing

Kg/acre	Variety	Variety Type
3.00	**AberZeus HSG**	Intermediate Perennial Ryegrass
2.00	**AberMagic HSG**	Intermediate Perennial Ryegrass
3.00	**AberGreen HSG**	Intermediate Perennial Ryegrass
3.00	**AberLee HSG**	Late Perennial Ryegrass
3.00	**AberBann HSG**	Late Perennial Ryegrass
1.00	**AberPasture**	White Clover Blend
15.00		

- Long term intensive grazing for cattle and sheep farms

Aber HSG MIXTURES

Aber HSG 4 Dairy System

Kg/acre	Variety	Variety Type
3.00	**AberGreen HSG**	Intermediate Perennial Ryegrass
2.00	**AberChoice HSG**	Late Perennial Ryegrass
3.00	**AberGain HSG**	Late (T) Perennial Ryegrass
2.00	**AberMagic HSG**	Intermediate Perennial Ryegrass
2.00	**AberBann HSG**	Late Perennial Ryegrass
2.00	**AberBite HSG**	Late (T) Perennial Ryegrass
1.00	**AberDairy**	White Clover Blend
15.00		

- Long term dual purpose ley providing high quality yields for first cut and excellent aftermath grazing

AberXtend HSG Extended Grazing

Kg/acre	Variety	Variety Type
5.00	**AberDart HSG**	Intermediate Perennial Ryegrass
5.00	**AberZeus HSG**	Intermediate Perennial Ryegrass
4.00	**AberGain HSG**	Late (T) Perennial Ryegrass
1.00	**AberPasture**	White Clover Blend
15.00		

- Long term grazing ley producing exceptional spring and autumn grazing yields and quality

Aber Red 5 HSG Quality Silage

Kg/acre	Variety	Variety Type
2.00	**AberZeus HSG**	Intermediate Perennial Ryegrass
3.00	**AberGreen HSG**	Intermediate Perennial Ryegrass
4.00	**AberGain HSG**	Late (T) Perennial Ryegrass
1.50	**AberClaret**	Red Clover
1.50	**AberChianti**	Red Clover
12.00		

- High protein silage ley with 5 year persistence, incorporating AberClaret red clover

T= Tetraploid
AberDairy: 33% AberHerald, 33% AberDai, 34% AberSwan
AberPasture: 50% AberHerald, 20% AberDai, 5% AberAce, 10% AberLasting, 5% AberVantage and 10% AberPearl.

QUALITY LEYS UNDERPIN HIGH MILK FROM FORAGE PERFORMANCE

After reseeding fields with AberXtend in Spring 2019 we were really pleased to measure a total yield of 12 tonnes DM/ha to the end of the growing season in November of the same year.

Quick growing and high quality grass is important to support our grass based system and we find the Aber HSG varieties from Germinal and G. O. Davies really help us achieve our maximum grass yield.

On average we grow about 14.5 tonnes DM/ha and produce roughly 24,000 litres/ha per annum from the grazing platform here at Duckspool.

Our belief is that with regular reseeding we will keep our milk from forage high and concentrate costs low. It's an approach that together with regular lime applications and soil sampling also helps us minimise our fertiliser costs.

Rhys James, Duckspool Farm, Wiston, Pembrokeshire. All Wales Grassland Management competition winner, 2017.

Gafsa RESEED

Efficient and effective phosphate fertiliser

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A natural source of sustained release phosphate

Suitable for all crop types, including organic

Available as straight P and in NPK and PK compounds

Reseeding range

4-25-12 + 3S + 28Ca **4-21-21 + 2S + 21Ca** **3-16-30 + 1.5S + 16Ca**

- Contains dual phosphate - both readily soluble and phased release
- Develops roots quickly with speedier establishment for quick optimum yield
- Gives grass seeds the best start

Advanced nutrition for enhanced performance

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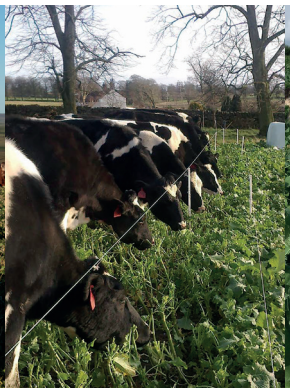
The **SwiftStart** reseeding system

	SwiftStart For autumn grass reseeding	**SwiftStart** For spring grass reseeding
	Use Redstart as a short term break crop	Use Swift as a medium term break crop
	Step 1 • Early grazing/first cut	**Step 1** • Two cut silage or cut/graze
	Step 2 • Spray off old sward • Direct drill or overseed Redstart	**Step 2** • Spray off old sward • Plough, cultivate and sow Swift in late summer
	Step 3 • Graze in 8 weeks • Possible second grazing (in south)	**Step 3** • Graze in 10-12 weeks • Out-wintering potential
	Step 4 • Autumn grass reseed • Or graze Redstart regrowth and drill winter cereals	**Step 4** • Spring grass reseed • Or maize/spring cereals
Hybrid brassica sowing peroid	May to mid-July	Last week of July to mid-August
Hybrid brassica grazing period	Last week of June to end of August	End of September to end of January
Grass reseed window	Last week of August to mid-September	Mid-March to mid-May
Other following crop options	Winter cereal	Spring cereal (Undersown grass) Forage maize
Yield from old sward	4 to 6t DM/ha	6 to 8t DM/ha
Hybrid brassica yield	5t DM/ha	8 to 10t DM/ha



OTHER FORAGE SEEDS

We offer a comprehensive range of forage crops to cover any requirement.
Our range includes:-

- **SWEDE SEED** e.g. Triumph
- **FORAGE RAPE** e.g. Stego
- **KALE SEED** e.g. Maris Kestrel, Bittern
- **STUBBLE TURNIP** e.g. Vollenda
- **FODDER BEET** e.g. Jamon, Merveille, Splendide, Cagnotte
- **HYBRID BRASSICA** e.g. Swift, Redstart

Root Seeds - Sowing rates

Seed	Sowing Rate (broadcast)	Sowing Rate (drilled)
Swede	2.0 Kg/acre	0.75-1.00 Kg/acre
Turnip	2.0 Kg/acre	1.00-1.50 Kg/acre
Fodder Beet		50,000 seeds/acre
Kale	3.0 Kg/acre	1.50-2.00 Kg/acre
Stubble Turnips	3.0 Kg/acre	2.00 Kg/acre
Rape	5.0 Kg/acre	3.00 Kg/acre

Leisure Lawn Amenity Seed

Variety	Variety Characteristics
Emerald	With dwarf ryegrass for a wear tolerant quality turf.
Windsor	A very dense fine turf of the highest quality. Suitable for bowling greens.
Low Maintenance	For infrequent mowing producing a slow growing dense turf.
Wildflower	Mixes also available.

Game Cover Seed

Our range of game cover and conservation crops have been carefully developed with the needs of British game shoots and wildlife habitats firmly in mind. We can offer a comprehensive range to suit your every need – ask for our latest game cover catalogue.

G.O DAVIES

G O Davies (Westbury) Ltd
Harvest House, Westbury, Shrewsbury SY5 9BY
Tel: 01743 884717 Fax: 01743 884718

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David Roberts Mobile: **07889 475295**
Email: dwlr@godavies.co.uk

Owain Roberts Mobile: **07800 668738**
Email: oblr@godavies.co.uk

Ed Roberts Mobile: **07790 672901**
Email: ewlr@godavies.co.uk

Agents:

Ian Johnson Mobile: **07711 499534** Home: **01952 541273**

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