

KINGSFORD QUALITY MIXTURES 2024



By Appointment to
Her Majesty the Queen
Suppliers of Grass Seeds



GEORGE DUNCAN AGRI SOLUTIONS

SUPPLIERS OF QUALITY SEEDS

INTRODUCTION

Welcome to our 2024 catalogue which showcases our Kingsford Quality mixtures and the full range that George Duncan Agri Solutions provides.

After what seems a long and very wet winter, we start to turn our attention to spring and the year ahead. All crops and soils are under a lot of stress as I write this, and spring drilling looks a way off. However, we have seen it before, soils can dry up in a matter of weeks and we quickly plan to start the cropping year once more. Sunny days and lighter nights are just around the corner.

Thankfully input prices have eased which makes planning fertiliser applications and budgeting a bit easier on farm businesses. However, growers should still look to utilise FYM, Digestate and nitrogen fixing crops as ways to reduce inputs and improve organic matter. Soil resilience, as well as less reliance on artificial fertiliser where possible, will be key in years ahead.

Grass and crop nutrition will be very important this spring, with all soils depleted after the record rainfall from October – January. Correct pH and maximising the production of your forage crop will be key. Consider soil testing your grassland area to make sure you are making the most of your fertiliser and look to refresh leys over 5 years as dry matter, M.E and tonnes drop off after this time. Speak to our team to find out how we can maximise your forage and arable crops in 2024.

Our grass seed offering continues to evolve and improve again this season. We always aim to better our grassland range across the board, selecting the best quality varieties from various seed stables year on

year. The inclusion of new class leading Perennial Ryegrass's Aberchoice, Ballyvoy and Ballintoy as well as the new Timothy, Baronaise in our Spey Mix for example, keeps pushing its quality and quantity to a new level. The ability to independently pick the varieties we know will work in our area, gives our grass seed a cutting edge.

We also continue to support and be a member of the RSABI Charity. It does invaluable work supporting everyone involved with Scottish Agriculture by providing practical, emotional and financial support to those who need it. With added budget pressures after last year and the winter we have had, I would encourage anyone to reach out to them, they are a brilliant organisation.

Within the business George has now retired and we wish him a long and happy retirement with Caroline. His knowledge and dedication to his customers will be missed. Myself, James and Liam take up the mantle and aim to provide you all with a first-class service in the years ahead.

From George, myself and the rest of the GDAS Team we would like to take the opportunity to thank you for your continued and loyal support.

I would like to wish all our customers a prosperous growing season and good health for the year ahead.

Best Regards

Charlie Catto

SELECTING QUALITY SEEDS

Within, you will find our range of mixtures designed specifically for the northern grass farmer. Our mixtures have been designed, developed and produced in Scotland by us. Therefore, you can be confident that our Kingsford Quality Mixtures will perform for you.

All our Kingsford Quality Mixtures have been developed and designed from local and independent data derived from our experience, and from the SRUC Grass Levy Scheme trials. This levy scheme is voluntary, and invaluable for us to ensure that **only the very best SRUC 1st choice varieties from all major seed breeding programmes** are included in our mixtures for our customers.

Using the best varieties is only part of the story. The benefits of sowing the correct varieties can be negated by sowing poor quality seed. Our seed lots endure a meticulous selection process and are maintained to ensure that only seed lots of the highest germination, purity and vigor are used in our mixtures.

We are pleased to support and contribute to the invaluable trial work of the SRUC.



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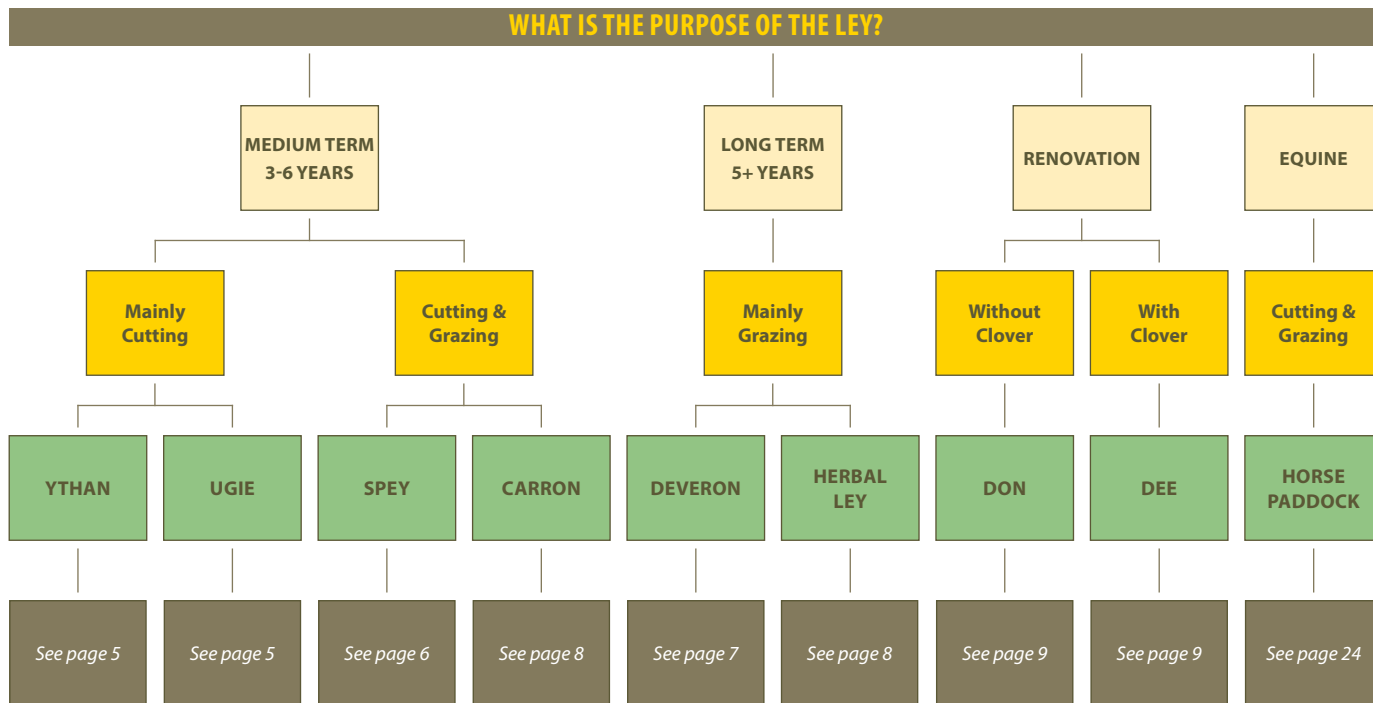
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MIXTURE SELECTOR



NEXT STEPS

Before selecting your mixtures, why not read our Sowing and Growing section on page 10.

KINGSFORD YTHAN

3-5 Years Intensive Cutting and Grazing

A flexible mixture containing Hybrid and Perennial Ryegrasses providing high yields of quality, high sugar grass for cutting and grazing. May be cut 2-3 times per year with excellent early spring growth and quality aftermath grazing.

Abereve	Hybrid Ryegrass (T)	2.50 kg
Gusto	Intermediate Perennial Ryegrass	1.75 kg
Fintona	Intermediate Perennial Ryegrass (T)	2.00 kg
Seagoe	Intermediate Perennial Ryegrass (T)	2.00 kg
Strangford	Intermediate Perennial Ryegrass	2.00 kg
Alfonso	Late Perennial Ryegrass (T)	2.00 kg
Merwi	Medium Leaved White Clover	0.50 kg
Alice	Large Leaved White Clover	0.25 kg

- 13.00 kg/acre
- Mixture options available with/without clover or extra clover
- Organic version available



KINGSFORD UGIE

3-4 Years Intensive Cutting and Grazing with Red Clover

Highly productive red clover mixture giving high protein and sugar yields for maximum animal performance. Best suited to cutting but flexible enough to graze also.

Abereve	Hybrid Ryegrass (T)	1.00 kg
Seagoe	Intermediate Perennial Ryegrass (T)	1.50 kg
Fintona	Intermediate Perennial Ryegrass (T)	1.50 kg
Ballyvoy	Late Perennial Ryegrass	1.50 kg
Alfonso	Late Perennial Ryegrass (T)	2.00 kg
Global	Red Clover	1.50 kg
Rozeta	Red Clover	1.00 kg

- 10.00 kg/acre
- Mixture options available with/without clover or extra clover
- Organic version available



KINGSFORD SPEY

4-6 Years Intensive Cutting and Grazing

The very best quality all round mixture. Kingsford Spey is our most popular mixture providing excellent early season growth whilst maintaining reliable, quality bulks of Hay or Silage.

The sward base is dense therefore resisting poaching and weed encroachment, keeping the sward productive. To ensure maximum animal performance we have included only the most palatable Perennial Ryegrass with high WSC (Water Soluble Carbohydrate) content.

Gusto	Intermediate Perennial Ryegrass	1.00 kg
Strangford	Intermediate Perennial Ryegrass	2.00 kg
Seagoe	Intermediate Perennial Ryegrass (T)	1.00 kg
Aberspey	Intermediate Perennial Ryegrass (T)	1.25 kg
Aberchoise	Late Perennial Ryegrass	1.00 kg
Ballyvoy	Late Perennial Ryegrass	2.00 kg
Ballintoy	Late Perennial Ryegrass (T)	2.00 kg
Alfonso	Late Perennial Ryegrass (T)	1.00 kg
Baronaise	Timothy	0.75 kg
Crusader	Medium Leaved White Clover	0.20 kg
Merwi	Medium Leaved White Clover	0.50 kg
Alice	Large Leaved White Clover	0.30 kg

- 13.00 kg/acre
- Mixture options available with/without clover or extra clover
- Organic version available



The Bradley family at Tillyminate, Alan Frank and James, have used our Spey mix for a number of years, winning the NORGRASS Society competition for best bailed silage for two years running; and overall best silage with their 2022 crop.

KINGSFORD DEVERON

Permanent Mainly Grazing Mixture

A great long term grazing mixture, also providing a productive silage cutting option. A very dense, palatable mixture which will perform over the long term, offering early growth and sustainable grazing throughout the season.

The mixture also includes persistent high yield clover varieties specific to intensive grazing.

Gusto	Intermediate Perennial Ryegrass	1.50 kg
Galgorm	Intermediate Perennial Ryegrass	2.00 kg
Fintona	Intermediate Perennial Ryegrass (T)	1.00 kg
Seagoe	Intermediate Perennial Ryegrass (T)	1.00 kg
Callan	Late Perennial Ryegrass	1.75 kg
Aberchoice	Late Perennial Ryegrass	1.00 kg
Aberpleniful	Late Perennial Ryegrass (T)	1.25 kg
Ballintoy	Late Perennial Ryegrass (T)	2.00 kg
Comer	Timothy	1.00 kg
Laura	Meadow Fescue	0.50 kg
5184	Small Leaved White Clover	0.25 kg
Crusader	Small/Medium Leaved White Clover	0.50 kg
Merwi	Medium Leaved White Clover	0.25 kg

- 14.00 kg/acre
- Mixture options available with/without or extra clover
- Organic version available





KINGSFORD CARRON

4-6 Years Specialist Quality Cutting and Grazing Mixture

A dual purpose grazing and cutting mixture aimed at producing a high quality and quantity of grass. The mixture includes later heading varieties which makes it ideal for an upland silage making situation to maintain quality.

Gusto	Intermediate Perennial Ryegrass	2.00 kg
Ballintoy	Late Perennial Ryegrass (T)	1.50 kg
Aberchoice	Late Perennial Ryegrass	1.00 kg
Callan	Late Perennial Ryegrass	1.50 kg
Ballyvoy	Late Perennial Ryegrass	2.00 kg
Alfonso	Late Perennial Ryegrass (T)	2.75 kg
Aberplentiful	Late Perennial Ryegrass (T)	1.75 kg
Comer	Timothy	0.50 kg
Merwi	Medium Leaved White Clover	0.50 kg
Crusader	Medium Leaved White Clover	0.30 kg
Alice	Large Leaved White Clover	0.20 kg

- 14.00 kg/acre
- Mixture options available with/without clover or extra clover
- Organic version available



KINGSFORD HERBAL LEY

Herbal leys are becoming more popular as they provide many benefits for livestock, biodiversity and soil health. They are generally made up of grass, legumes and herb species which creates a more diverse forage. Multispecies leys have different rooting structures and lengths which also help with soil conditioning. The long deep tap roots also mine minerals from greater soil depths, making them available to the livestock. Kingsford Herbal Ley combines the best of our Kingsford mixtures with Clovers, Chicory and Plantain to give you a forage mix that provides yield and quality. Ideal for growers looking to maintain production but bring in the added benefit of a multispecies ley.

Gusto	Intermediate Perennial Ryegrass	2.50 kg
Seagoe	Intermediate Perennial Ryegrass (T)	2.00 kg
Strangford	Intermediate Perennial Ryegrass	1.45 kg
Ballyvoy	Late Perennial Ryegrass	1.25 kg
Glenrock	Late Perennial Ryegrass	1.50 kg
Ballintoy	Late Perennial Ryegrass (T)	2.35 kg
Comer	Timothy	1.00 kg
Laura	Meadow Fescue	0.50 kg
Rivendel	White Clover	0.40 kg
Merwi	White Clover	0.50 kg
Puna II	Chicory	0.40 kg
Tuatara	Plantain	0.15 kg

- 14.00 kg per acre
- Organic version available



KINGSFORD DON

Renovation Mixture

An all ryegrass mixture to inject new life into tired or damaged swards. Perennial Ryegrass is the most productive part in any sward but over the years the ryegrasses decline allowing less productive and less Nitrogen responsive weeds and grasses to persist. Kingsford Don is made up of vigorous Perennial Ryegrass to ensure rapid establishment into the competitive environment of an existing sward.

Astoncrusader	Hybrid Ryegrass	2.00 kg
Fintona	Intermediate Perennial Ryegrass (T)	3.00 kg
Seagoe	Intermediate Perennial Ryegrass (T)	3.00 kg
Alfonso	Late Perennial Ryegrass (T)	2.00 kg

- 10.00 kg/acre
- Organic version available



KINGSFORD DEE

Renovation Mixture (With Clover)

Similar to Kingsford Don mixture, but with the inclusion of clover to help fix some of the all-important free Nitrogen.

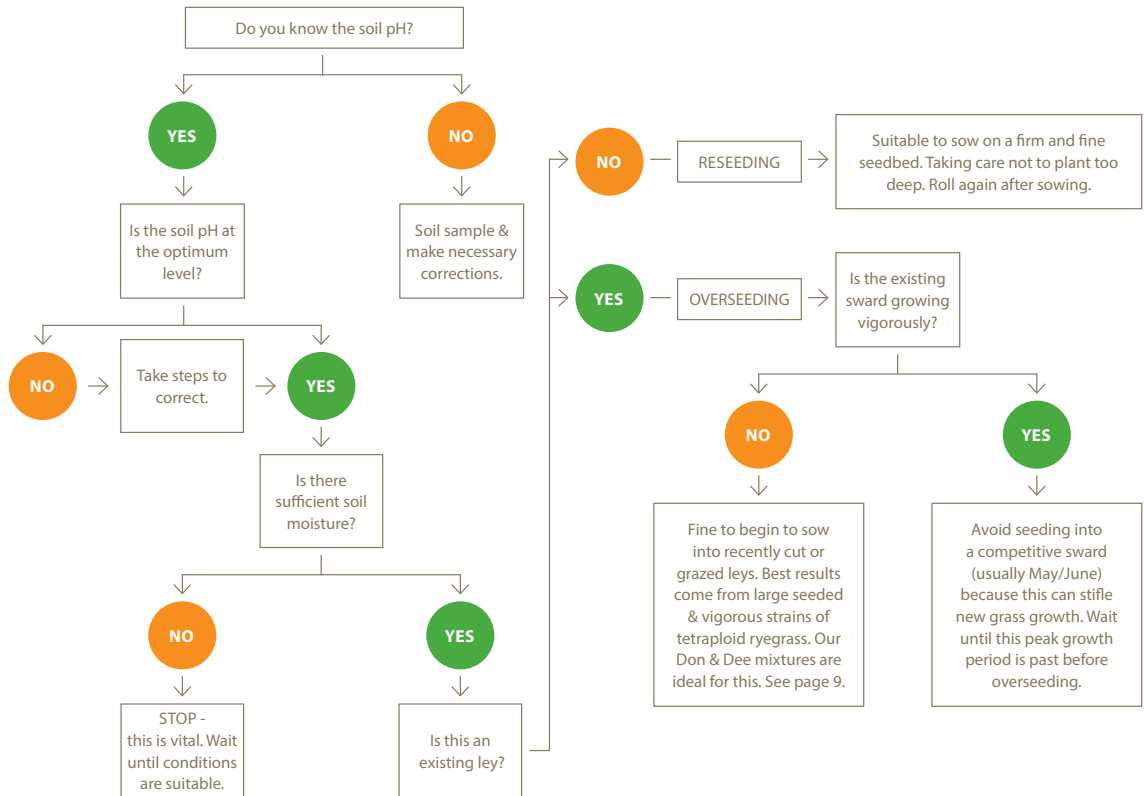
Astoncrusader	Hybrid Ryegrass	2.00 kg
Fintona	Intermediate Perennial Ryegrass (T)	2.50 kg
Seagoe	Intermediate Perennial Ryegrass (T)	2.50 kg
Alfonso	Late Perennial Ryegrass (T)	2.00 kg
Crusader	White Clover	0.35 kg
Merwi	Medium Leaved White Clover	0.50 kg
Alice	White Clover	0.15 kg

- 10.00 kg/acre
- Organic version available



SOWING AND GROWING

Getting back to basics before selecting your mixtures is always time well spent. We think these are the key things to consider before starting your "sowing and growing" in the season.



RESEED OR OVERSEED?

Obviously, there is a place for both reseeding and overseeding. However, overseeding is definitely something to consider. It's a great way of improving existing grass leys which may have seen better days for a variety of reasons. It allows the existing grass to be kept and improved whilst minimising cost, time and risk.

It's important when over seeding to resume grazing gently around 4-5 weeks after sowing. Just be careful they don't graze too close, to avoid damaging new seedlings.

SPECIAL MIXTURES

As well as the extensive range of mixtures we offer within our catalogue, we regularly create customised mixtures to suit our customers' specific requirements.

We are licensed to mix grass seed, and therefore would be pleased to amend an existing mixture or devise an entirely new one to suit your needs. We also fully understand the importance of creating a mixture which is compliant with any scheme(s) you are entered into.

NEED SOME HELP IN THE GROWING SEASON?

Our team (see contact details on page 27) would be delighted to advise on any of these issues. We also provide a full range of GPS, soil sampling and agronomy services. See pages 12-14 for more detailed information on these areas.



GPS SOIL MAPPING

We use agricultural GPS technology for precision farming. Our services in this area include:



What are the benefits of GPS mapping?

By using GPS technology to accurately map the soil nutrient variations across your fields, it allows you to target variable fertiliser and lime inputs. This provides you with the detailed soil nutrient information you need to make informed management decisions. By accurately identifying the variations in phosphate, potash, magnesium and pH levels, you can target nutrients and lime to where it is really needed. Not only is this cost effective but it is also better for the environment.

Why use us?

We have been working in this area since 2004 and we have built up a lot of experience over that time.

We have invested heavily in this area, not only in terms of our customised machines but also in training.

We pride ourselves in providing a very high standard of work, taking extensive cores in each area of the field and ensuring they provide an accurate picture of the soil status.

We also have an experienced team, who can be on the farm promptly and we also have a quick turnaround for preparing any maps and/or recommendations required.

CROP NUTRITION

The application of fertiliser is fundamental for the growth of all crops and our FACTS (Fertiliser Advisors Certification and Training Scheme) qualified team understand individual crop needs. We supply fertiliser for a range of uses including cereals (seedbed and top-dressing applications), grass (cutting and grazing), swedes and all other forage crops. Acting as merchants for fertiliser suppliers such as Glasson, Origin and Yara, we can provide advice on any fertiliser queries you may have and make recommendations to suit your needs and budget.



CEREAL SEED

We supply a full range of cereal seeds, as set out below. However, this list is not exhaustive, and other varieties can be supplied on request.

Spring Barley	Laureate	Diablo	Sassy	Skyway
Spring Oats	Merlin	Isabelle	Canyon	Delfin
Winter Barley	SY Kingsbarn	KWS Tardis	Lightning	Momento
Winter Wheat	Skyscraper	RGT Bairstow	SY Insitor	KWS Dawsum
Winter OSR	LG Anarion	Crome	LG Auckland	Ambassador

We understand that each farmer has different expectations and demands for their crop, be it disease resistance or grain/straw yield, as well as the need to consider the end user of the crop. That's why we make use of the SRUC and AHDB recommended lists to ensure customers have access to the crop most suited to their individual needs.

MOBILE SEED PROCESSING

Through our partners at Agrii we have access to their state of the art mobile seed processing. Their machines operate across the north east year round. Each machine contains a deawner, gravity separation, dresser and modern batch application technology. Grain can be processed direct from a bulk trailer. Our agronomists can arrange a germination and thousand grain weight on your farm saved seed and book the machine to come to your farm.



CROP PROTECTION

At GDAS we offer a first class field walking and crop protection delivery service. Our BASIS trained agronomists tailor make each recommendation to your crop based on your soil, climate, variety and end market. Through our parent company Origin, we have access to the latest trial information for the local area. Being part of the group gives our agronomists and you the grower access to the latest chemical actives to protect your growing crop, securing your investment through to harvest.












FORAGE CROPS

FORAGE CROP SELECTOR

We supply a full range of forage crops. We hope you find our forage crop selector below helpful.

Despite having a wide range of forage mixtures within our catalogue, we appreciate that you may require your own specially formulated mixtures for specific situations which we are happy to provide. Please get in touch to discuss your needs.

	<p>KALE Excellent Crude Protein content. Winter hardy. Suited for Cattle and Sheep. Some varietal Clubroot resistance. Drill May – June. Ready to use from 16 weeks onwards.</p> <p>See page 16</p>		<p>STUBBLE TURNIPS Fast growing catch crop. Ideal for low input systems. Ideal for finishing lambs. Drill June – August. Ready to use from 12 - 14 weeks after sowing.</p> <p>See page 17</p>		<p>SWEDES High Energy Winter feed. Excellent winter hardiness. Some varietal Clubroot resistance. Drill May – June. Ready to use from 20 weeks onwards.</p> <p>See page 19</p>
	<p>HYBRID RAPE/KALE Fast growing. Regrowth potential. Ideal for fattening lambs or flushing ewes. Drill June – August. Ready to use from 12 – 15 weeks after sowing.</p> <p>See page 16</p>		<p>MAINCROP TURNIPS High yielding. Can be sown later than Swedes. Ideal for low input systems. Drill May – July. Ready to use from 16 weeks after sowing.</p> <p>See page 18</p>		<p>KINGSFORD HAUGHTON Fast growing. Best used before Christmas. Suited for Cattle and Sheep. Drill June – August. Ready to use from 12 – 15 weeks after sowing.</p> <p>See page 20</p>
	<p>FORAGE RAPE Fast growing. High protein levels. Ideal for fattening lambs. Drill May – August. Ready to use from 13 – 15 weeks after sowing.</p> <p>See page 17</p>		<p>FODDER BEET High yield. Highly palatable, providing a sugar rich energy feed. Drill April – May. Ready to use from 20 weeks.</p> <p>See page 18</p>		<p>KINGSFORD LONACH Fast growing. Best used Post Christmas. Suited for Cattle and Sheep. Drill May – July. Ready to use 14 – 16 weeks after sowing.</p> <p>See page 20</p>

KALE

Kale is a well proven forage crop which consistently produces very high yields. The crop has high protein content and can be fed to all types of livestock. Average DM yields of Kale are around 8 – 10 tonnes/ha. Kale can be fed to livestock by strip grazing in the field or zero grazing. Kale is also well suited for full season game cover.

Caledonian	Highest yielding variety and is Clubroot resistant. Good lodging resistance and winter hardiness.
Keeper	Medium/short type, ideal for feeding to sheep. Good lodging resistance with a high dry matter content.
Maris Kestrel	A short leafy variety, ideal for fattening lambs. Popular all round variety with good winter hardiness and a high leaf to stem ratio. Good sheep grazer.
Thousand Head	Medium height variety with good lodging and winter hardiness. Ideal for gamecover or sheep grazing.

- *Sowing Rate 2-4 kg/acre*
- *Natural Seed only*
- *Other varieties available upon request*

HYBRID RAPE/KALE

Provides the best of both worlds, with the winter hardiness of Kale and the growth potential of Rape. Best sown mid to late summer and can be ready to use from 12 weeks after sowing. Hybrid Rape/Kale has good regrowth potential which means it can be grazed more than once.

Interval	Exceptional yield potential, disease resistance and palatability making it a good candidate for finishing lambs or flushing ewes.
Redstart	Very leafy variety with great regrowth potential which makes it ideal for any grazing situation.
Swift	Offers great regrowth ability and winter hardiness. Good all year round performance but can be prone to bolt if it's sown too early.

- *Sowing Rate 2-4 kg/acre*
- *Other varieties available upon request*



FORAGE RAPE

A fast growing leafy catch crop with high protein content. Forage Rape has a flexible sowing period and is quite a low input crop which makes it very popular with livestock farmers.

Gorilla	Exceptional dry matter yields with good resistance to Clubroot and Mildew.
Hobson	Great variety for finishing lambs. High digestibility and resistant to powdery mildew.
Hungry Gap	Exceptional winter hardiness. Can be used in January and February.
Stego	Good performer. High disease resistance and yield.

- *Sowing Rate 2-4 kg/acre*
- *Other varieties available upon request*



STUBBLE TURNIPS

This is a fast growing catch crop which can help to reduce winter feed costs. Stubble Turnips are a nutritious and highly palatable feed making it ideal for cattle and sheep. Average DM yields are in the region of 3.5 - 4 tonnes/ha.

Delilah	Produces large white tankard shaped roots. Ideal for fattening lambs and resistant to mildew.
Rondo	Winter hardy. Leafy, green skinned bulbing variety. Excellent disease resistance.
Samson	High yielding. Produces large purple tankard shaped roots. Highly palatable to both sheep and livestock. Excellent disease resistance.
Tyfon	Leafy Hybrid with regrowth potential. Minimal or no bulb.
Vollenda	Good resistance to Clubroot and Alternaria. Winter hardy and drought resistant.

- *Sowing 2-4 kg/acre*
- *Other varieties available upon request*



MAINCROP TURNIPS

Maincrop turnips are faster growing than Swedes and are able to be sown slightly later. However, it is worth bearing in mind that they are less winter hardy. Maincrop turnips can be grown at higher elevations on less fertile soils.

Green Globe High yielding white fleshed yellow turnip. More winter hardy than massif.

Massif High yielding green top yellow turnip. Early season use and ideal for late sowing.

- Sowing Rate 0.5-1.5 kg/acre
- Natural Seed only

FODDER BEET

Fodder beet is a highly palatable, digestible feed for livestock offering a sugar rich energy feed, with DM yields of between 15-18 tonnes/ha. The crop can be utilised in situ or harvested. Roots offer high energy, while the tops are high in protein.

	DM Content %	Skin Colour	% of Root in Ground
Brick	23.6	White	75
Blizzard	22.4	White	72.3
Robbos	19.9	Yellow	60.0
Feldherr	15.9	Orange	49
Bangor	17.7	Yellow	30



SWEDES

Excellent high energy winter feed with DM yields of around 10 tonnes/ha. Swedes are a very winter hardy feed and are ideal for feeding to cattle or finishing lambs. Swedes are usually strip grazed in the field or harvested for use later on.

Airlie	Early season use. Suitable for culinary and livestock feed.
Kenmore	Early season use. Good yields.
Marian	Early use. Some Clubroot resistance. Suitable for culinary and livestock feed.
Gowrie	Main crop. Some Clubroot resistance. Good Mildew resistance.
Lomond	Main crop. Some Clubroot resistance. Good Mildew resistance.
Invitation	Late season use. High dry matter. Clubroot and Powdery Mildew resistance.
Magres	Late season use. High dry matter. Suitable for culinary and livestock feed.

- Graded and Natural Seed available
- Other varieties available upon request

SEED SOWING RATES FOR SWEDES

Quick guide to weight of seed per acre:

	Width 4"	Width 5"	Width 6"
Row 18"	325g	265g	215g
Row 20"	290g	235g	195g
Row 22"	265g	215g	180g
Row 24"	245g	195g	165g
Row 26"	225g	180g	150g
Row 28"	210g	170g	140g





KINGSFORD HAUGHTON

Autumn/Early Winter cattle and sheep grazing mixture

This dual purpose mixture is ideal for both cattle and sheep grazing in the back end of the year. This mixture has proved very successful over the last few years after being direct drilled into old permanent grassland to give the field a break, before being reseeded the following spring. This has also been used as a catch crop after fallow with great results. Mixing Forage Rape with Maincrop Turnips helps to increase yields and protein content.

Massif	Yellow Turnip	15%
Hobson	Forage Rape	42.5%
Gorilla	Forage Rape	42.5%

- 2.50 kg/acre

KINGSFORD LONACH

Winter cattle and sheep grazing mixture

Lonach is dual purpose mix designed for grazing by sheep and cattle post-Christmas. This more winter hardy mix gives excellent forage quality for grazing in the new year with a higher dry matter content. It can be direct drilled into fallow land or grassland post destruction. The mix is designed for late winter keep following on from Haughton.

Massif	Yellow Turnip	15%
Maris Kestrel	Kale	55%
Gorilla	Forage Rape	30%

- 2.00 kg/acre



GAME CROPS

KINGSFORD CORA

Can provide a full 2 years Gamecover - ideal for exposed areas. The Triticale in this mixture can resist rabbit damage, will produce cover, feed and also tolerate lower pH soil types.

Triticale	80%
Quinoa	2.5%
Forage Rape	7.5%
Mustard	5%
Fodder Radish	5%

- 20.00 kg/acre

KINGSFORD DEXTER

One year Gamecover mixture, very fast growing once established. Can help to smother out weeds and can also be sown as a recovery mixture. Will produce cover and feed for birds.

Mustard	33.33%
Quinoa	8.33%
Forage Rape	8.33%
Phacelia	16.67%
Yellow Blossom	16.67%
Sunflower	16.67%

- 6.00 kg/acre
- Full range of individual Gamecover seeds available



GDAS are members of the Game and Wildlife Conservation Trust and BASC.



GREEN COVER CROPS



Green manures and cover crops are becoming more popular and a great way to improve organic matter in soils. Growing a green manure will help to stabilise soils and sowing plants with deep rooting systems will help to open up the soil profile.

Once the crops have grown, they are usually incorporated into the soil where they start to break down, adding organic matter and raising the soil's fertility.

There is a vast range of green manures and cover crops available which can be mixed to suit your requirements. Please speak to our team for more information.



KINGSFORD AUTUMN SOIL BUILDER

Autumn soil builder is designed to build nutrition and root mass. A very good option for soil health.

Vetch	50%
Global	15%
Fodder Radish	35%

- Optimum drilling – Aug/Sept
- Sowing Rate 6-8 kg/acre

KINGSFORD AUTUMN NITROFIX

Autumn Nitrofix is a mix for securing nitrogen into your soil for the following crop in the spring. The vetch and rye mix fixes and holds nitrogen. Ideal for grazing after the 1st of January in the new year.

Rye	80%
Vetch	20%

- Optimum drilling – Aug/Sept
- Sowing Rate 70 kg/acre

KINGSFORD SPRING COVER

Spring Cover is a mix designed to cover all aspects of soil health biodiversity.

Vetch	55%
Crimson	20%
Phacelia	15%
Linseed	10%

- Optimum drilling – April and May
- Sowing Rate 4-6 kg/acre

KINGSFORD KIDS PLAY

Hardwearing Universal Landscape Mixture (With Rye)

Our most popular mixture for general landscaping, lawns, parkland, housing and industrial estates. This mixture gives rapid establishment, heavy wear tolerance and low maintenance.

Fancy	Perennial Ryegrass	25%
Wagner	Chewings Fescue	10%
Maxima	Strong Creeping Red Fescue	60%
Highland	Browntop Bent	5%

- Sowing Rate 35 g/m²



KINGSFORD PRIDE & JOY

Fine Universal Landscape Mixture (No Rye)

A fine, non rye version of our popular Kids Play for more ornamental uses. This mixture requires more intensive management to keep it at its best. This mixture gives a fine appearance, is low maintenance and tolerates closer mowing.

Wagner	Chewings Fescue	20%
Ryder	Strong Creeping Red Fescue	35%
Maxima	Strong Creeping Red Fescue	40%
Highland	Browntop Bent	5%

- Sowing Rate 35 g/m²



KINGSFORD VERGE

Road Verges Mixture

For low maintenance road verges and motorway embankments where rapid establishment on poor soils is required.

Fancy	Perennial Ryegrass	25%
Wagner	Chewings Fescue	38%
Bornito	Hard Fescue	30%
Highland	Browntop Bent	5%
Aberace	White Clover	2%

- Sowing Rate 35 g/m²

KINGSFORD SHADE

Shade Mixture

For shaded areas under trees and building surrounds. This mixture is designed to be tolerant to shaded and droughted areas. It will establish rapidly in difficult soils, giving strong weed competition during establishment.

Samanta	Slender Creeping Red Fescue	10%
Wagner	Chewings Fescue	25%
Maxima	Strong Creeping Red Fescue	45%
Highland	Browntop Bent	5%
Dasas	Rough Stalked Meadow Grass	15%

- Sowing Rate 35 g/m²

KINGSFORD HORSE Paddock

Long Term Horse Pasture

Kingsford Horse Paddock is a specific equine mixture designed to give good seasonal growth throughout the grazing season. It also provides a dense sole, resistant to poaching. Although a grazing mixture, Kingsford Horse Paddock is also suitable for occasional cutting if required.

Callan	Late Perennial Ryegrass	2.00 kg
Fintona	Intermediate Perennial Ryegrass (T)	1.00 kg
Glenrock	Late Perennial Ryegrass	3.50 kg
Alfonso	Late Perennial Ryegrass (T)	1.00 kg
Laura	Meadow Fescue	1.50 kg
Comer	Timothy	2.00 kg
Maxima	Strong Creeping Red Fescue	2.00 kg

- 13.00 kg/acre
- Mixture options available with Mixed Herbs



KINGSFORD PITCH MASTER

An overseeding mix designed to rejuvenate sports pitches.

Fancy	40%
Europitch	20%
Jubilee	40%

ABERDEENSHIRE RUGBY FOOTBALL CLUB

"Our Pitch was in dire need of a new lease on life with areas where it was really thin and brown. After speaking to the GDAS team they recommended an overseeding grass mix and fertiliser. This season it looks fantastic with many visiting teams commenting on how good it looks and how good it has been to play on. It is lush, green, and standing up really well to the rugby traffic. We would highly recommend GDAS sports grass mixes."



WILDFLOWERS

We offer a good range of wildflower mixtures, as outlined below. Ideal for encouraging wildlife and giving a great splash of colour.

Kingsford Heritage

A popular wildflower mixture made up of native species found in Scotland. This is a general purpose mixture for landscaping which includes some wild perennial flowering species. It can take a few years for the perennial wild flowers to establish, so there are 2% cornfield annuals in the mix to give some colour in the first year after sowing.

- Sowing Rate 5g/m²

Kingsford Vibrant Annuals

An annual wildflower mixture made up of traditional UK native cornfield species and some of the most vibrant annuals, giving a colourful display during flowering. Sow in the Spring to get the most out of the mixture.

- Sowing Rate 3g/m²

Kingsford Cornfield Annuals

A mixture of wildflowers of Scottish and British provenance. This mixture is easily established and colours up very quickly in the first year of establishment. Corn annuals may be added to other wildflower mixtures to provide good colour in the first year of establishment.

- Sowing Rate 2g/m²



CONTACT DETAILS

Our whole team is here to assist you!

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RSABI
 Supporting People
 in Scottish Agriculture



George Duncan
Agri Solutions Ltd

Supplying Quality Seeds



- Grass seeds
- Cereal seeds
- Forage crop seeds
- GPS mapping/Soil sampling
- Fertilisers
- Lime
- Agrochemical Supply
- Gamecover
- Lawn seed



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