

THE SUPREME GAME COVER RANGE

**Top Quality
Specialist Seed Mixtures**



SUPREME GAME MIX

A high quality all purpose game mixture providing full season cover. Provides a range of food sources to attract both big and small birds. Robust and varied in its cover, making it a must for quality shoots. Eligible wild bird cover under Stewardship, mid and higher tier schemes.

<u>CONTENTS</u>	<u>KGS/ACRE PK</u>
Sunflower	2.00
Buckwheat	3.50
Kale Seed	0.50
Maize Seed	2.00
Millet	1.50
Linseed	1.75
Vetches	1.75
Mustard	1.00

SEED RATE: 14.00 kgs per acre pk, (31 lbs/acre)

SUPREME 'PRO' SHOOT MIX

An exceptional mixture, designed for rapid establishment at a sensible cost. An ideal choice for a limited budget or larger shoots with many acres to seed regularly. It creates a variety of cover types and provides a good mixture of food sources for all game bird types.

<u>CONTENTS</u>	<u>KGS/ACRE PK</u>
Buckwheat	3.00
Forage Rape	0.75
Sunflower	1.50
Kale Seed	0.25
Linseed	1.50
Millet	3.00
Vetches/Tares	2.50

SEED RATE: 12.50 kgs per acre pk, (27.75 lbs/acre)

SUPREME QUINOA/KALE MIX

A specialist blend of hardy Kale varieties, plus Quinoa. Provides both excellent cover, plus a high protein feed source via Quinoa. Suitable as a game strip on the field margins of arable land. It can also be used for Stewardship purposes. Our S.Q.K. mix is supplied in 5lb packs at a realistic seed rate, providing real value for money.

<u>CONTENTS</u>	<u>KGS/ACRE PK</u>
Quinoa	1.00
Inka	0.50
Protect/Burley	0.75

SEED RATE: 2.25 kgs per acre pk, (5 lbs/acre)

***It can be sprayed with a residual herbicide pre-drilling but there is some risk to the Quinoa content.**



SUPREME MAIZE/MILLET OR MAIZE/SUNFLOWER PLUS SORGHUM OPTION

A two or even three way optional mix or it can be sown with a 'surround' of Giant or Dwarf Sorghum. This mix produces an attractive approach cover. It is a very useful taller cover mix.
Any of the three species combine exceptionally well to create a warm and very striking effect throughout winter shooting months.

These mixtures can be treated pre-emergence.

CONTENTS	KGS/ACRE PK
Maize Seed	10.00
Sunflower or White Millet (plus option with Red Millet)	3.00
SEED RATE: 13.00 kgs per pk	

Plus a surround or approach sowing of Sorghum at approximately 5 to 8 kgs per acre, may be appropriate. Alternatively Sorghums can be added to the mixture at your request.

SUPREME RAPID CROP MIX

An outstanding blend specifically designed to provide quickly established, dense cover. Wide ranging sowing dates from May to mid/late August. (Very useful to patch up earlier sown failiures). It can double up as a livestock feed mixture, giving the user flexibility in planning cover and catch crops across a mixed unit.

CONTENTS	KGS/ACRE PK
Forage Rape	1.25
Kale Seed	0.25
Red Clover	0.50
Fodder Radish	0.50
Texel Greens/Green Globe Turnip	0.25
Mustard	1.25
SEED RATE: 4.00 kgs per acre pk, (8.3 lbs/acre)	

Exhibits good drought tolerance. Shows versatility to broadcasting into standing cereal crops or onto winter cereal stubbles. The inclusion of fodder radish assists against Club Root, (brassicae sickness), and boosts rapid establishment and therefore cover.
Could be sprayed with a residual herbicide pre-drilling, with some risk to the clover.

SUPREME EXTRA HARDY MIX

A proven game cover blend for harsher sites and very open locations. Ideally suited to sporting estates and shoots in the North and Scotland.
A generous seed rate is recommended in order to ensure good, strong cover on known sites where establishment is often difficult.
Extra Hardy provides excellent cover and a diverse food source for birds.

CONTENTS	KGS/ACRE PK
Tic Beans	4.00
Vetches	3.00
Buckwheat	4.75
Yellow Blossom Clover	1.25
Triticale (Spring type)	8.00
Linseed	2.50
Kale Seed	0.50
SEED RATE 24.00 kgs per acre pk, (53.30 lbs/acre)	

Best sown from late April to mid June and can be utilised for brooding.



SUPREME NESTING MIXTURE

Nesting mix is primarily chosen for longer-term use, (minimum 2 to 3 years). Provides good accessible cover, particularly for smaller birds such as Partridge. Alternatively it can be sown around duck ponds and surrounding areas. Contains nectar producing plants that attract a range of insects and small mammal species compatible to small bird life.

- This mixture has a wide sowing window and can be sown from late March to early August, dependent on Seed bed conditions and Soil temperatures.
- After full establishment, we advise a very light 'topping' at the end of year one, to prevent lush growth in winter and possible plant kill.

Post emergence weed control available.

CONTENTS	KGS/ACRE PK
Sweet Yellow Blossom Clover	1.25
Longer term Red Clover	1.50
Crested Dogtail	1.00
Canary Grass (P. Aquatica)	0.75
Sainfoin	2.75
Timothy Grass	0.75
Cocksfoot	0.50
SEED RATE: 8.50kgs per acre pk, (18.80 lbs/acre)	

SUPREME SMALL BIRD MIXTURE

A specialist small bird mix, ideal for Partridge and Quail. Produces an exceptionally good lower level cover that provides quality feed too. Establish from late April onwards. Very good performance over a range of differing sites and locations and is perfect cover for smaller species.

- Provides an excellent varied food source throughout the shooting season.
- Gives reasonable winter hardiness, whilst allowing easy access and therefore quality protection to smaller birds.

CONTENTS	KGS/ACRE PK
Mustard	0.25
Linseed	5.50
Red/White Millet	3.00
Vetches	2.75
Kale/Rape Hybrid	0.50
SEED RATE: 12.00 kgs per acre pk, (26.70 lbs/acre)	



HERBICIDE CHOICES FOR GAME COVER

Difficulties have always arisen because of the diverse nature of seed products sown for cover purposes, plus the very limited number of specific crop recommendations that are currently available.

Game cover ingredients by their very nature are not generally 'mainstream' crop types. As a result of this and the fact that they are often sown as mixtures, it is often difficult to draw up an ag-chem programme for best weed control.

The best initial advice is to ensure you are sowing into the cleanest seedbed in the first instance

In order to maximise seedbed cleanliness for all game cover mixtures, one should always consider:

The stale seedbed technique, (cultural control), and combine it with glyphosate pre-drilling which presents the most effective and economic tactical method of stopping weed ingress.

The timing of Glyphosate is critical and will depend on weed type and size.

Other problems that can cause game crops to fail include slug, pigeon, rabbit and fleabeetle attacks.

If a crop has a very ragged look, this could be a sign of slugs feeding, they may even take the seed before it germinates. Achieving a good firm and compact seedbed helps alleviate the problem. The use of slug pellets on more than one occasion may be necessary in order to get a crop fully established particularly on heavier soils. (Maize, Sorghum, some Grasses and Millet are very susceptible to slugs).

Fleabeetle attack is often exhibited as 'shot holing' of the leaves of Kale, Rape, Mustard and Linseed. Fleabeetle can also take small germinating plants as they emerge, giving the impression that germination is not happening, Inevitably plants do not survive. Early drilling in cooler conditions can be beneficial as fleabeetle tend to attack in warmer weather.

When planning your game cover cropping it is always advisable to fully consider the risks of crop failure as a result of pest infestation. One can minimise poor establishment by utilising cultural techniques, certain agrochemicals and fertilisers to help ensure successfully emerged cover.



A SIMPLE GUIDELINE TO GAME COVER CROP SPECIES

With the option to provide Mixes to your Specification

FORAGE RAPE

Very fast growing, fully established often within 8 to 9 weeks. DON'T sow before mid April, as propensity to bolt. **Sow at 3 to 4kgs/acre.**

KALES

Winter hardy - providing a range of canopy heights, dependent on variety. Sow late April to late July, and note Kales are Nitrogen and Potash hungry. **Sow at 1.5 to 2.5kgs/acre.** (dependent on whether broadcast or drilled).

STUBBLE TURNIPS

Can be a good food source as well as bird cover. Many varieties are winter hardy, producing a palatable bulb. **Sow at 2 to 3kgs/acre**

PHALARIS ARUNDINACEA (REED CANARY GRASS)

Very, very frost hardy and ideal for exposed Northerly sites. A long term option, can last over 5 years. Sow from April onwards. **Sow at 2 to 3kgs/acre.**

ARTICHOKES

An almost permanent cover, lasting 5 to 6 years or more. Sow in rows. (Seed is supplied as tubers.) **Sow at 500 to 800kgs/acre.** (dependent on row width).

CANARY GRASS (PHALARIS AQUATICA)

A long term species, suited to low fertility "harsh" sites. Grows up to 2.5 ft tall, and ideal as prime nesting cover in the north of the country (often termed Holdfast). Can last as cover for over 5 or 6 years. **Sow at 2 to 3kgs/acre.**

TEXEL GREENS

A very tall growing brassicae (up to 5 or 6 feet at times!), with the attribute of excellent frost hardiness. Provides winter long "green" cover. Best sown from early May onwards. **Sow at 2 to 2.5kgs/acre.**

QUINOA

Sometimes slow to establish, and needs warm fertile compact seedbeds. Best sown not before late April/early May, particularly in the north of the country. (Excellent source of protein for birds). **Sow at 1.5 to 2.5kgs/acre.**



BUCKWHEAT

Can be sown as a straight or with other game cover species to provide both feed and cover for partridge and pheasant. Bushy in appearance and smothers out weeds. Matures within 14 weeks from late April/May sowings. Produces nectar in abundance. (A very attractive crop to deer.) **Sow at 20 to 25kgs/acre.**

FODDER RADISH

Very, very fast to establish, so an ideal catch crop especially in the North and Scotland. Full cover in 8 to 9 weeks. Useful on ground that exhibits kale sickness. **Sow at 2 to 3kgs/acre.**

MUSTARD

The cheapest option in terms of cover crop cost. Germinates and establishes on a range of soil types, and is quite drought tolerant. Ideal fast cover where rabbits have caused damage. **Sow at 3 to 5 kgs/acre.**

SWEET YELLOW BLOSSOM CLOVER

A very seedy nitrogen fixing perennial legume which can last up to 3 or 4 years. Suited best to lighter, loamy soils. It is nectar producing. This species is very robust from April/May sowings providing good bird shelter amongst its dense woody stem structures. **Sow at 3 to 3.5kgs/acre.**

WHITE MILLET

Best suited to the warmer parts, and milder climates of this country. It is a good choice too, to sow as a windbreak on more exposed sites. Can grow 80 to 90cm in height, so ideal for flushing areas as well as a feed source for large and small birds. Combines well with sunflower, sorghums and maize plus it matches them for herbicide usage. **Sow at 10 to 13kgs/acre.**

RED MILLET

Similar attributes, game usage and plant characteristics to white millet!! Differences being lower rate of seed production and is thinner leaved. (A less 'warmer' cover if sown on its own). Red and white millet mixed are excellent sources of protein for wild birds. **Sow at 10 to 13kgs/acre.**

SUNFLOWERS

Best used in game cover mixtures, on warmer sites of mid and southern U.K. Great for attracting birds, insects and small mammals, giving a vital and varied habitat within a game mix. **Sow at 5 to 8kgs/acre.**

GIANT SORGHUM

A cross of Sorghum with a Sudan grass hybrid from Australia. It is deep rooted and thus drought resistant and exhibits Atrazine tolerance (ideal for weed control). Produces dense vegetative cover perfect for flushing, and can grow to approx 2.5 to 3m tall !! Conducive to high inputs of N fertiliser, but not a food source for birds. Combines well with sowing of kale, millet, maize or sunflower. Ideally sow early May to mid June.

Sow at 12kgs/acre.

DWARF SORGHUM

Like Giant Sorghum giving good dense cover from May/June sowings. Dwarf types are less likely to lodge and are best suited to free draining lighter soils or more exposed sites. Dwarf Sorghum can grow to 1.75 to 2m. It provides excellent cover during critical winter months, (loves N fertiliser).

Sow at 8 to 9kgs/acre.

CHICORY

Adaptable to a wide range of soil types. Chicory is becoming an increasingly popular, non brassica, choice for game cover. It self seeds and is highly persistent. Growing 40 to 100cm tall, it produces leaves in the first season. An attractive pale blue flower is then produced. Chicory benefits greatly from being in a mixture with N fixing legumes. **Sow at 3 to 5kgs/acre.**

BORAGE

Another non brassica option that flowers between June and October. An annual herb which will grow to a height of 60 to 80cm with bright blue flowers. Often used in companion planting to nurse Legumes and Brassicas.

Borage suits well-drained soils. Ideal sowing time is April/May. **Sow at 3 to 5kgs/acre.**

GOLD OF PLEASURE

Grows from 40 to 80cm, with clusters of small yellow flowers. A fast maturing plant providing an excellent food source for wild birds. Its woody stem provides dense and sturdy shelter too. Best sown from early April through May. Needs soil temperature of 10°C. **Sow at 5 to 6kg/acre.**

MAIZE (FOR GAME COVER)

Highly suited to game cover management, because it gives both a food source via cob/grains, areas for easy bird movement in open ground between plants. It exhibits an almost natural habitat for large and small birds. Maize is an excellent product to combine with Millet/Sunflower/Sorghum etc. to provide warmer or denser ground cover, or a more varied habitat. Best sown April to late May.

Sow at 40 to 45,000 seeds/acre.



PHACELIA

Attractive green manure or cover crop used across Northern Europe. Easy to establish, giving a dense habitat. Best sown April to early August. **Sow at 3.5 to 4.5kgs/acre.**

VETCHES

Superb bird food source, and produces dense cover. Vetches are winter hardy pertaining to an all season presence in the shooting season. Can be sown spring or autumn (a good suppressor of weeds). **Sow at 5 to 25kgs/acre.** (Dependent on inclusion level required).

INTERVAL

A kale/rape hybrid exhibiting outstanding winter hardiness. Rapid growth from May to August sowing. Alternatively an excellent ruminant catch crop food source. **Sow at 2 to 3kgs/acre.**

FIELD/TICBEANS

Superb food source for pheasants. Performs well on heavy land from spring sowings. Useful to mix with Kale, Millet or Triticale. **Sow at 50 to 70kgs/acre** (lower in mixtures)

TRITICALE

Can be mixed with Beans, Buckwheat, Millet or Sorghums. Survives well where rabbit infestation may be a problem, as it is quick and robust to establish. **Sow at 60 to 80kgs/acre.**

LINSEED

A good choice particularly in small bird mixtures. Provides a food source, hardiness and open cover (therefore good small bird access). Cheap and easy to establish from late March to late May sowings. Also a good alternative to some brassicas where Club Root or “Brassica” sickness (due to over frequency of sowing) has occurred. **Sow at 5 to 20kgs/acre.** (Dependent on whether on its own or in mixtures).



**COMPLIMENTARY GRASSES &
FORAGE LEGUMES FOR COVER CROP
AND GAME COVER USE**

These are primarily of interest and beneficial value in longer term nesting, more permanent cover mixtures or bird pen mixes.

OPTIONS / CHOICES INCLUDE:
CRIMSON CLOVER / TIMOTHY / TALL FESCUE / SAINFOIN / RED CLOVERS /
CRESTED DOGSTAIL / WHITE CLOVERS / COCKSFOOT / RED FESCUE.
Plus many more species which are readily available.

FOR FURTHER ADVICE ON THE BEST USAGE OF ALL THE ABOVE,AND
APPROPRIATE SEED RATES, PLEASE ASK FOR HELP, ALTERNATIVELY
IF YOU REQUIRE ANY SPECIAL/BESPOKE GAME MIXTURES WE WILL GLADLY OBLIGE.

PLEASE CONTACT