

**BLACK OAT** AVENA STRIGOSA**VARIETY: LUXURIAL**

LUXURIAL is the leading variety of black oats from European breeder Panam Semences. Developed specifically for the cover crop market, LUXURIAL combines late maturity, rapid establishment and high biomass production.

- More frost sensitive than other cereals
- Allelopathic variety
- Controls root lesion nematode (*Pratylenchus penetrans*)
- Resistant to root-knot nematode (*Meloidogyne hapla*)
- Develops fibrous roots to relieve soil compaction
- Resistant to rust, barley yellow dwarf virus and aphids

Sowing Period: Aug-Oct  
Sowing Depth: 1-2cm

Sowing Rate: 30-50kg/ha  
Winter Hardy: NO

**FORAGE RYE** SECALE CEREALE**VARIETY: TURBOGREEN**

TURBOGREEN is the perfect rye variety for cover crops - suitable for very late sowings, quick to establish and late maturing. Forage rye scavenges nitrogen from the soil making it accessible to the following crop.

- Late maturity and good lodging resistance
- High dry matter yield
- Rapid tillering and root development
- Strong weed suppression even at low sowing rates
- Reduces nutrient leaching and soil erosion
- Resistant to rust and aphids

Sowing Period: Aug-Oct  
Sowing Depth: 1-2cm

Sowing Rate: 30-50kg/ha  
Winter Hardy: YES

**COMMON VETCH** VICIA SATIVA**VARIETIES: SLOVENA, NACRE**

SLOVENA and NACRE are frost tolerant, which distinguishes them from other common vetch varieties. Most effective at fixing nitrogen when allowed a prolonged growing season in either spring or autumn.

- Large seed size ensures strong early vigour
- Fixes nitrogen available for the following crop
- Breaks down quickly once incorporated
- Produced in the UK and trusted on farm
- Excellent companion to both black oats and rye
- Frost susceptible varieties also available

Sowing Period: Mar-Oct  
Sowing Depth: 1-2cm

Sowing Rate: 25-50kg/ha  
Winter Hardy: VARIETY DEPENDENT

**RED VETCH** VICIA ATROPURPUREA**VARIETY: BINGO**

Available exclusively through the EnviroSeeds range, the use of BINGO red vetch is an exciting development in short term cover crops. BINGO establishes more quickly, produces more biomass and is more susceptible to frost than common vetch.

- Fast growing, nitrogen-fixing legume
- Suits early autumn sowing where winter kill is important
- Breaks down quickly once incorporated
- Ideal for use in mixtures with berseem clover
- Bred by leading breeder Jouffray-Drillaud

Sowing Period: Mar-Oct  
Sowing Depth: 1-2cm

Sowing Rate: 25-50kg/ha  
Winter Hardy: NO

**WHITE MUSTARD** SINAPSIS ALBA**VARIETY: SARAH**

SARAH is produced in Holland by Vandinter Semo, one of Europe's leading cover crops specialists. High vigour, late maturity and high biomass production make SARAH every grower's first choice variety.

- Economical cover crop solution
- High vigour and late maturing
- Produces high dry matter
- Rapid establishment
- Excellent weed suppressor and soil conditioner
- Suitable as standalone crop or in a mixture

Sowing Period: Apr-Sept  
Sowing Depth: 0.5-1cm

Sowing Rate: 10-15kg/ha  
Winter Hardy: NO

**BROWN MUSTARD** BRASSICA JUNCEA**VARIETIES: SCALA, VITASSO**

Brown mustard provides a winter hardy cover crop to suppress weeds, pump water and improve soil structure. Both SCALA and VITASSO are developed by leading breeders to be used as cover crops in their own right or for biofumigation.

- Improves soil health and catches nitrogen
- Increases organic matter and suppresses volunteers
- Rapid autumn growth and winter hardy
- Exceptional root development in a short period of time
- Active against *Pythium*, *Rhizoctonia* and *Verticillium*
- See page 4 for more information on biofumigation

Sowing Period: Apr-Sept  
Sowing Depth: 0.5-1cm

Sowing Rate: 5kg/ha  
Winter Hardy: YES\*

\*Brown mustard usually withstands temperature down to -5°C.



## OIL RADISH RAPHANUS SATIVUS

VARIETIES: ROMESA, BRUTUS

Oil radish produces large amounts of biomass and extended tap roots, making it ideal for soil conditioning. Nematode resistant varieties also have the ability to reduce beet cyst nematode (*Heterodera schachtii*) populations by over 90% (class 1) and 85% (class 2).

- Fodder Radish is a very quick growing green manure
- Very rapid to germinate, establish and suppressing weeds
- Will penetrate compacted soils with its strong deep rooting tap root
- Ability to draw up nutrients from the subsoil and scavenge nitrogen
- Fodder radish also produces large amounts of organic matter

Sowing Period: Apr-Sept  
Sowing Depth: 1-2cm

Sowing Rate: 10-25kg/ha  
Winter Hardy: NO

## BERSEEM CLOVER TRIFOLIUM ALEXANDRINUM

VARIETY: TABOR

Berseem clover grows rapidly and fixes nitrogen quickly. TABOR is very susceptible to frost and unique in being a 'single-cut' variety. This means once killed by frost or cut, it does not regrow and therefore makes it ideal for short term cover crops and companion cropping.

- Fast growing, nitrogen-fixing annual
- Very quick growing, tender to frosts
- Suppresses weeds and easy to incorporate
- Ideal for use in mixtures with vetch
- Available Pre Inoculated to aid root nodulation (special order)

Sowing Period: Mar-Aug  
Sowing Depth: 1cm

Sowing Rate: 5-15kg/ha  
Winter Hardy: NO

## TILLAGE RADISH RAPHANUS SATIVUS

VARIETIES: STRUCTURATOR, DAIKON

Tillage radish is a term coined to the radish varieties that produce significantly larger root mass than standard varieties. We offer DAIKON, which produces a thick, bulbous root, and STRUCTURATOR which has a deeper root penetration into the soil.

- Very effective soil compaction reduction
- Extremely strong tap root
- Suppresses weeds
- High biomass production
- Scavenges nitrogen

**STRUCTURATOR**  
**TILLAGE RADISH**



Sowing Period: Apr-Aug  
Sowing Depth: 1-2cm

Sowing Rate: 10-15kg/ha  
Winter Hardy: NO



**PHACELIA** PHACELIA TANACETIFOLIA

- Very quick to establish
- Good weed suppressant
- Matures in 10-12 weeks
- Produces large, shallow root mass
- Excellent pollinator

Sowing Period: Apr-Oct    Sowing Rate: 5-10kg/ha  
Sowing Depth: 1-2cm    Winter Hardy: NO

**LUCERNE** MEDICAGO SATIVA

- Long term perennial
- Excellent nitrogen fixer
- Long tap root
- Suits light, chalky soils
- High dry matter, high protein

Sowing Period: Apr-Oct    Sowing Rate: 20kg/ha  
Sowing Depth: 1-2cm    Winter Hardy: YES

**ETHIOPIAN MUSTARD** BRASSICA CARINATA

- Frost hardy brassica
- Easy to establish
- Excellent weed suppressant
- Produces very leafy canopy
- Tolerates poorer soils

Sowing Period: May-Aug    Sowing Rate: 5-15kg/ha  
Sowing Depth: 1-2cm    Winter Hardy: YES

**CRIMSON CLOVER** TRIFOLIUM INCARNATUM

- Nitrogen fixing annual
- Sow summer/post harvest
- Rapid growth in spring
- Suppresses weeds
- Tolerant of poor soils

Sowing Period: Aug-Sep    Sowing Rate: 5-15kg/ha  
Sowing Depth: 1cm    Winter Hardy: YES

**BUCKWHEAT** FAGOPYRUM ESCULENTUM

- Very quick growing annual
- Extremely tender to frost
- Excellent weed suppressant
- Nectar rich pollinator
- Scavenges phosphates

Sowing Period: May-July    Sowing Rate: 50kg/ha  
Sowing Depth: 2-3cm    Winter Hardy: NO

**LINSEED** LINUM USITATISSIMUM

- Easy and quick to establish
- Suits thinner soils
- Good companion to legumes
- Fibrous root structure
- Scavenges nitrogen

Sowing Period: Apr-Aug    Sowing Rate: 50kg/ha  
Sowing Depth: 2-3cm    Winter Hardy: NO

**SUNFLOWER** HELIANTHUS ANNUS

- Extensive and prolific root system
- Very effective at soaking up nutrients
- Beneficial to pollinators and all insects
- Rapid and early season establishment
- Significant biomass production for a short season

Sowing Period: Apr - Aug    Sowing Rate: 12kg/ha  
Sowing Depth: 2-3cm    Winter Hardy: NO



Brown Mustard Heartbury Gloucestershire

