

**HORIZON SEEDS**



# Cover and Catch Crops

*When it comes to following on from harvest HORIZON SEEDS has it covered!*

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# HORIZON SEEDS

It may well be time to look at your farms most important asset: **The soil.**  
Cover crops and Catch Crops have many cost effective benefits:

- **Improved Soil Structure** giving you better drainage, increased moisture retention, reduced compaction, reduced soil erosion, reduction in nitrogen leaching, higher organic matter and increased worm count
- **Input reduction for follow on crops** improved fertiliser efficiency, carbon storage, release of nitrogen for future crops
- **Pest and Disease Control** nematode control increased soil biodiversity, blackgrass reduction, weed suppression



**Cover Crops** are a mixture made up from at least one Cereal and one non-cereal. They must be established by 1st October and retained until at least 15th January.

**Catch Crops** are a mixture made up from at least one Cereal and one non-cereal. They must be established by 31st August and retained until at least 1st October



**Biofumigation** is a process of growing a cover crop containing isothiocyanates and incorporating the grown matter into the soil. The chemical reaction caused is able to suppress soil borne pests and diseases, fungal pathogens and weed seed. It is important to destroy biofumigation crops whilst the soil is still warm in the autumn and to incorporate within 20 minutes of mowing.



*We have listed some of the available mixtures and species from the Horizon range which are tried and tested throughout the UK. However if you have a specific requirement that we haven't listed please feel free to get in touch and we will do our best to accommodate your needs.*

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## Catch & Cover Crop and EFA Mixtures

### Soil Plus

70% Rye, 20% Vetch, 10% Oilseed Radish **40-50kg/ha**  
Deep rooting with nitrogen fixation for real soil  
Improvement.

Organic Matter  
EFA Compliant  
Soil Conditioner

**Compaction reduction**  
Blackgrass Control  
Nitrogen Fixer



### Super Green

80% Oats, 15% Vetch, 5% Phacelia **50kg/ha**  
Weed suppression, nitrogen fixing and  
excellent biomass.

Organic Matter  
EFA Compliant  
Soil Conditioner  
Compaction reduction  
Blackgrass Control  
Nitrogen Fixer

**Improved Biodiversity**  
High Biomass

### Top Green

80% Rye, 20% Vetch **50-60kg/ha**  
Cost effective mix for all round ground  
cover & nitrogen fixing.

Organic Matter  
EFA Compliant  
Soil Conditioner  
Compaction reduction  
Blackgrass Control  
Nitrogen Fixer

**Suitable for Grazing**



### Cover Green

60% Rye, 30% Vetch, 10% Mustard **40-50kg/ha**  
Rapid establishing mix for giving all round ground  
cover and nitrogen fixing.

Organic Matter  
EFA Compliant  
Soil Conditioner  
Compaction reduction  
Blackgrass Control  
Nitrogen Fixer

**High Biomass**



### Sow Green

80% Oats, 20% Vetch **50kg/ha**  
Most Suitable for areas where Take All may be  
an issue.

Organic Matter  
EFA Compliant  
Soil Conditioner  
**Take All**  
Compaction reduction  
Blackgrass Control  
Nitrogen Fixer

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## Specific Crop Mixtures

### MaizeOn

Ideal mixture for preparing the soil for a Maize Crop consisting of Forage Rye, Vetch, Tillage Radish and Phacelia.

40-50kg/ha

Organic Matter  
EFA Compliant  
Soil Conditioner  
Compaction reduction  
Blackgrass Control  
Nitrogen Fixer



### Pretato

Biofumigation crop ideal for using in front of a potato crop consisting of Brown Mustard and Tillage Radish

40-50kg/ha

Organic Matter  
Soil Conditioner  
Compaction reduction  
Blackgrass Control  
Biofumigation  
Nematode reduction



## Green Manure / EFA Species Options

**Rye** (EFA) weed suppressant, nitrogen lift & hold

**Oats** (EFA) weed suppressant, allelopathic, nitrogen lift & hold

**Black Oats** (EFA) weed suppressant, allelopathic, nematode control, mycorrhizal, erosion control, quick cover



**Buckwheat** (Non EFA) quick soil cover, weed suppressor, nectar for pollinators and beneficial insects, topsoil loosener and rejuvenator for low fertility soils.

**Linseed** (Non EFA) Attract Beneficials & Pollinators, deep rooted, organic matter, mycorrhizal

**White Mustard** (EFA) weed suppressant, high glucosinilates giving biocidal effects against weeds and pests. Reduces BCN's (Beet Cyst Nematode)

**Brown Mustard** (EFA) weed suppressant, high glucosinilates giving biocidal effects against weeds and pests. Reduces PCN's, fast establishing.

**Mustard Ethiopian** (EFA) weed suppressant, high glucosinilates

giving biocidal effects against weeds and pests. Reduces BCN's.

**Oil /Fodder Radish** (EFA) soil conditioner, weed suppressant and reduces BCN's

**Phacelia** (EFA) Excellent disease break crop, beneficial insect attractant, breaks down quickly for C,P,K and Mg.

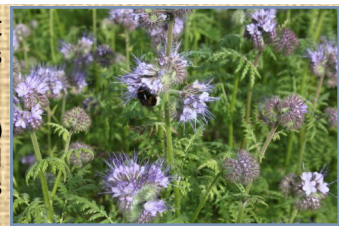
**Vetch** (EFA) excellent nitrogen fixer especially if drilled early, very compatible with rye and oats

**Stubble Turnip** (Non EFA) nitrogen lift & hold, soil conditioner, but would need ploughing in prior to drilling

**Red Clover** (Non EFA) great nitrogen fixer but needs to be drilled early.

**Crimson Clover** (Non EFA) rapid growing annual, deep tap root with some nitrogen fixing. Not frost hardy for good degradability.

**Berseem Clover** (Non EFA) allelopathic effect, attract beneficials & pollinators, weed Suppressor, green manure, nitrogen production.



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