

## Green Manuring Crops

### CONTROLLING NEMATODES BY THE USE OF COVER CROPS

Growing a cover crop is a very effective way of controlling nematode populations. Choosing the correct species and variety is key and needs careful pre-planning. Some species of plants such as oil radish and mustard have been specially bred to be resistant to specific nematodes. When a cover crop has grown successively the reduction in the nematode population usually lasts 3-4 years. Nematode levels will increase again if a host crop is grown too closely together in a rotation.

### WHITE MUSTARD

A very popular green manure crop. Relatively inexpensive and highly versatile cover crop either sown alone or as a companion to other species. It is a fast growing and good weed suppressor. Has bio fumigation properties but not to the same extent as brown mustard. It is ideal for early cover and produces large quantities of biomass although killed off by frost later. It is an excellent scavenger of nitrogen. Destroy before flowering to prevent self-seeding. Some varieties are nematode resistant.

### FODDER RADISH (OIL RADISH)

A fast growing cover crop, its speed of establishment aids weed suppression. It has a long taproot which will improve the soil structure and also has plenty of foliage that produces a large quantity of organic matter. An excellent nitrogen scavenger. Some varieties are nematode resistant and club root tolerant. Most varieties are frost resistant.

A wide range of plant species can be used as green manures. Different crops bring different benefits and the final choice is influenced by many considerations. If the most is to be made of green manuring crops, it is important that they are carefully integrated into the crop rotation and proper attention paid to the crop husbandry.

### ALONGSIDE OUR GREEN MANURING MIXTURES WE CAN ALSO OFFER STRAIGHTS:

Westerwolds • Italian Catch Crop  
 Persian Clover • Egyptian Clover • Red Clover • Crimson Clover • Vetch  
 Forage Rape • Stubble Turnips • Tyfon Turnips • Rocket  
 Buckwheat • Phacelia • Lucerne  
 Black Oats • Winter Oats • Spring Oats • Forage Rye • Triticale  
 Fodder Radish • Daikon Tillage Radish • Brown Mustard • White Mustard  
 BESPOKE MIXTURES PACKED TO ORDER

### DAIKON RADISH

A rapid growing crop that produces a large amount of biomass. It produces a long aggressive taproot that penetrates through many different soil types, improving drainage and air movement through the soil. A major benefit of Daikon radish is that it captures and stores nutrients from deep in the soil over the winter period, which are released in the spring for the next crop. It can provide much needed cover throughout the winter months and it's an excellent fast growing, nutrient storing green manure crop. Daikon radish isn't as winter hardy as fodder radish.



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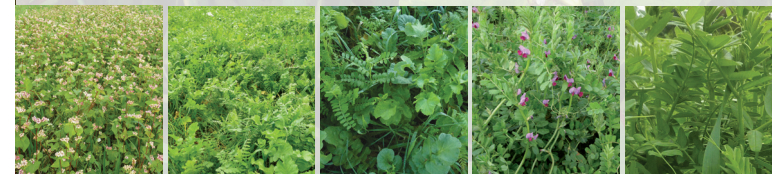
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**YOUR**  
**Countryside**  
 Cover Crops

## GREEN MANURING MIXTURES & CROPS

IMPROVE YOUR SOIL HEALTH WITH THE  
 USE OF COVER CROPS



# Green Manuring Mixtures

Green manures not only improve soil status, composition and nutrient balance but provide a basis for a more environmentally friendly approach to modern farming.

## WHY GROW A COVER CROP?

A question we are asking!

Cover Crops do not produce a marketable product, they benefit the soil for the succeeding crops and are a good return on investment. They are beneficial to the soil by:

- improving soil health by adding organic matter to the soil
- increasing biological activity
- improving soil structure
- reducing soil erosion and run off
- suppressing weeds and reduces leaching
- increasing the supply of nutrients available to the next crop (particularly by adding nitrogen by fixation)
- nematode control
- counts towards EFA points



### N-RICH COVER MIXTURE

Vetches and rye complement each other to provide an excellent popular cover crop, it is best sown in late summer or early autumn. Vetches are fast growing, combined with the advantage of being able to fix nitrogen at lower temperatures than other legumes. Forage rye is deep rooting with aggressive roots which provide a good underground network for the plant to scavenge most of the nitrogen left by the previous crop.



80% Forage Rye  
20% Winter Vetch

100%

Sowing rate 50 - 75kg/ha  
Pack size 25kg & 500kg  
Untreated

### REVIVAL COVER MIXTURE

Oats, white mustard and phacelia combined make a very effective catch crop that produces large quantities of organic matter. White mustard and phacelia are very fast growing and good at suppressing weeds, they are also easy to break down and incorporate into the soil because they are less frost hardy. The oats provide good ground cover helping with weed suppression and also produce a large quantity of organic matter.



90% Oats  
5% White Mustard  
5% Phacelia

100%

Sowing rate 30 - 50kg/ha  
Pack size 25kg & 500kg  
Untreated

### N-HANCE COVER MIXTURE

This mixture can benefit the soil by the use of species that absorb the leaching nutrients and has the added advantage of the useful nitrogen fixing winter vetch. It produces a huge quantity of organic matter and has the benefit of the radish's large roots that can utilise nutrients from the deeper layers of soil.



60% Forage Rye  
30% Winter Vetch  
7% Fodder Radish  
3% White Mustard

100%

Sowing rate 35 - 50kg/ha  
Pack size 25kg & 500kg  
Untreated



### BUSTER COVER MIXTURE

A popular mixture containing species with aggressive deep roots that can help with difficult compacted soils and producing huge amounts of biomass. During the winter months this mixture can benefit the soil by producing vast quantities of organic matter, prevent nutrients being lost and penetrate through compacted soils.

85% Forage Rye  
6% Daikon Radish  
5% Phacelia  
4% Fodder Radish

100%

Sowing rate 30 - 40kg/ha  
Pack size 25kg & 500kg  
Untreated

### N-RETAIN COVER MIXTURE

A balanced mixture that contains fast growing species which produce large amounts of biomass. The species used in the mixture offer a wide range of rooting depths some having a fibrous root system and others producing long taproots. Both types of roots help to soak up and retain any residual nutrients which may have been left behind by the previous crop.

80% Black Oats  
5% Fodder Radish  
5% Daikon Radish  
5% Brown Mustard  
5% Phacelia

100%

Sowing rate 30 - 50kg/ha  
Pack size 25kg & 500kg  
Untreated

NEW FOR  
2016

