

# Winter oilseed rape

Get the benefit of oilseed rape canopies in 2022

## 1. Target P and K applications to soils that need it

- Omit P& K application on P & K index 4 soil and consider reduced P&K in index 3 P&K soils (for one year only).
- Target maintenance application of 35 kg P/ha and 75 kg K/ha for soils with a soil index of 2 or lower.

## 2. Measure your GAI and calculate the N requirement

- Large canopies in the spring contain embedded nitrogen which will reduce requirement of chemical N for 2022.
- Target a GAI of 3.5 by early flowering.
- Adjust the overall Nitrogen requirement taking into account the canopy and target GAI. See table 1 for guidance on different canopies.

## 3. Target you applications for maximum effect

- Crops with large canopies do not need early nitrogen.
- Utilise ASN or urea for the first application to minimise leaching losses as the soils can be close to or at water holding capacity at this time of year.

–Michael Hennessy

**Table 1:** Nitrogen application to oilseed rape for 4.5 t/ha crop

Crop type/ Timing	Split – Mid Feb	Main Split – early to mid March	Seed Fill – early April
Thin patches (GAI 0.5) Total 225 kg N /ha	70 kg N/ha	120 kg N/ha	35 kg N/ha
Good crop GAI 1.0 Total 210 kg N /ha	50 kg N/ha	90 kg N/ha	70 kg N/ha
Large canopy GAI 1.5 Total 170 kg N /ha	0	100 kg N/ha	70 kg N/ha

**Table 2:** Typical fertiliser spend in 2022 and costs worksheet.

	P kg/ha	K kg/ha	Compound* kg/ha	N ** kg/ha	Total cost €/ha (a)	Your area grown ha (b)	Your total Spend €
W. oilseed rape (GAI 1.5) Yield 4.5 t/ha	35	75	370 x 10.10.20	250 X ASN + 150 x Urea	€608		=a x b

\*To apply maintenance dressing, compound @ €800/t

\*\* total N = 170 kg/ha based on a GAI of 1.5 in February, Urea @900/t

### Growing Grass Using Less Nitrogen Fertiliser - Webinar

20 January 2022

**Event time:** 7pm

**Venue:** Online –register on Teagasc website

Join John Douglas and Joseph Dunphy, Teagasc Grass10, and Micheal O'Leary from PastureBase Ireland along with dairy farmer and 2020 Young Grassland Farmer of the Year David O'Leary as they discuss growing grass using less nitrogen fertiliser.

### Utilisation of Nutrients Webinar

20 January 2022

**Event time:** 11.30am

**Venue:** Online Register on Teagasc website

*Tillage Thursdays - Series of Webinars*

This webinar will focus on practical implication of high fertiliser prices from accessing and applying fertiliser to the costs of finance through the season.

The webinar will also hear about biostimulants and if these can play a useful role in the crop production (subject to speaker confirmation).

### Virtual Tillage Conference 2022

On Thursday 13 January at 11.30am, join us for an interactive webinar with researchers and PhD students who will provide insights into current research on managing crop nutrition. Register on the Teagasc website.

### Virtual Sheep Conference 2022 - Session One

25 January 2022

**Event time:** 8pm

**Venue:** Online