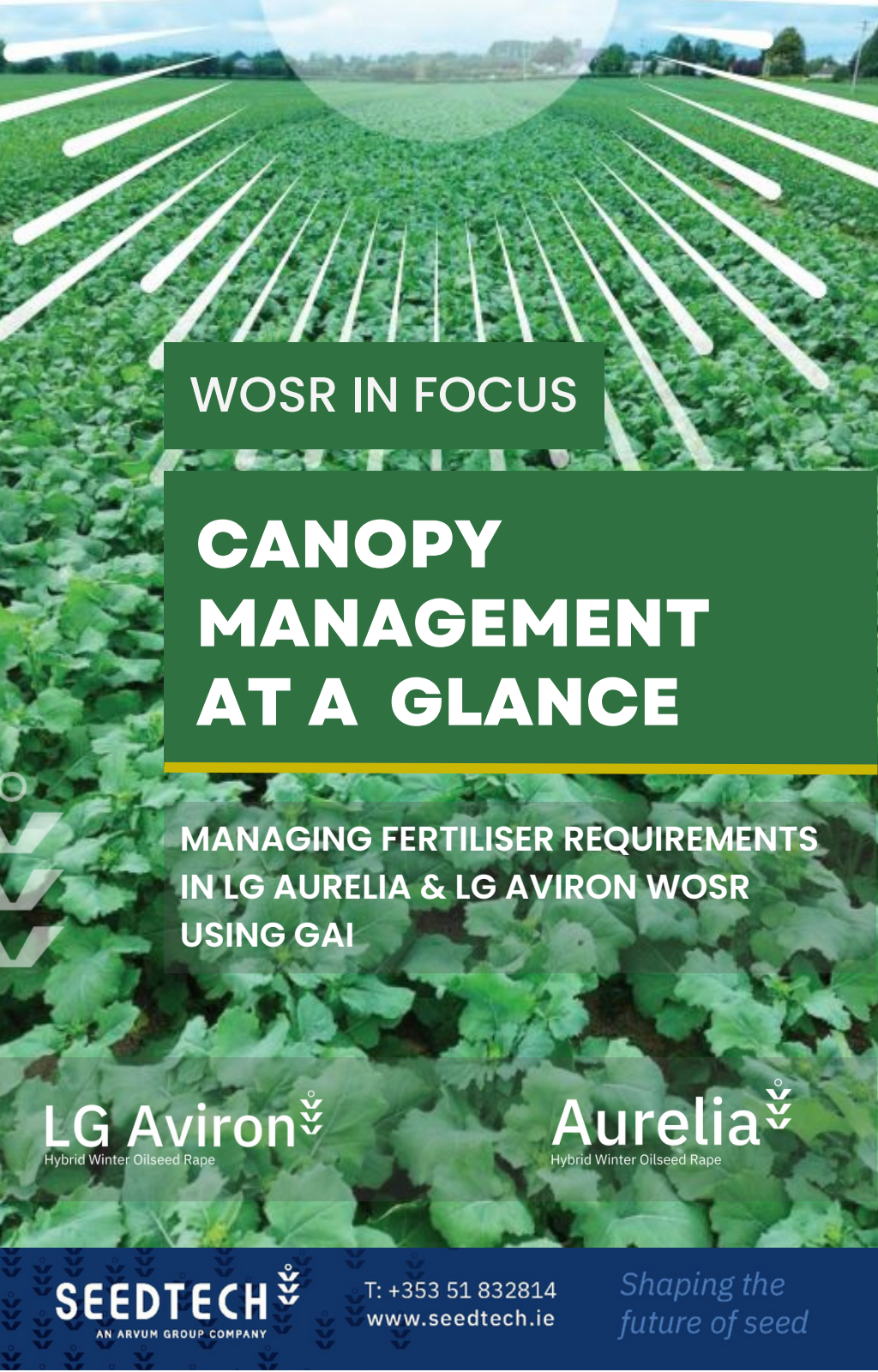

WOSR IN FOCUS

CANOPY MANAGEMENT AT A GLANCE

MANAGING FERTILISER REQUIREMENTS IN LG AURELIA & LG AVIRON WOSR USING GAI

LG Aviron
Hybrid Winter Oilseed Rape

Aurelia
Hybrid Winter Oilseed Rape

SEEDTECH
AN ARVUM GROUP COMPANY

T: +353 51 832814
www.seedtech.ie

Shaping the future of seed

WOSR IN FOCUS

CANOPY MANAGEMENT AT A GLANCE

WOSR crop and the effect of radiation on N requirements

CANOPY MANAGEMENT AT A GLANCE

Use Green Area Index (GAI) to manage spring fertiliser programme in LG AURELIA and LG AVIRON WOSR using canopy management and GAI research by Teagasc

WOSR is the only Autumn-sown crop that can take up nitrogen over the Autumn and Winter, adding it to sunshine and storing it (as green leaf and stem) to reduce fertiliser N in Spring 2023.

Use GAI to save €100 per acre on the average crop of WOSR in the next few weeks (most WOSR crops are 2 Green Area Index (GAI) which can save 100 kg N/ha) using the Teagasc Canopy Management research.

WOSR | Canopy Management at a Glance

1. Access your crop in February
2. Calculate the GAI using App or weight
3. Decide N programme and timing
4. Front load N in crops < 1.0 GAI
5. Back-load N in crops >1.0 GAI

For more information see www.seedtech.ie

Download GAI App from your APP store

Download on the App Store

GET IT ON Google Play

SEEDTECH
AN ARVUM GROUP COMPANY

WOSR IN FOCUS

CANOPY MANAGEMENT AT A GLANCE

WOSR AGRONOMY

Research by Dermot Forristal of Teagasc Oakpark shows how their canopy management research on Winter Oilseed rape can capture and use N. This provides an opportunity for farmers to use the GAI to calculate their N requirement in early spring and save on artificial N.

WOSR crop and the effect of radiation on N requirements

The system of canopy assessment works on the principle that a dense crop of rape contains more nitrogen (taken up over winter) than a thin crop.

The measurement is called the Green Area Index (GAI), and each score of GAI score = 50 kg N/ha (40 units per ac) is very valuable at current fertiliser prices.

The crop can be assessed (by eye, smartphone app or by weighing it) in springtime, and based on the GAI score, it is possible to save €100 per acre on the average crop of WOSR in spring.

Most WOSR crops reach a Green Area Index (GAI) of 2 which can save 100 kg N/ha) using the Teagasc canopy management research.

- Each unit of GAI contains 50kg of N
- Crop requires 3.5 GAI at flowering

Calculating N requirement

Description	Example GAI 2.5	Example GAI 0.6
N needed for canopy (3.5 * 50 kg) = 175	175	175
Minus Crop N (GAI * 50) and soil N (30 for large crop and 45 for small crop)	-155	-75
Difference needed from fertiliser	20	100
Fertiliser only 60% efficient so divide by 0.6	20/0.6 = 33	100/0.6 = 167
Add 60 kg/ha for yields over 3.5 t/ha late	+ 60	+ 60
Total	**93 kg/ha**	**227 kg/ha**

Extract from Teagasc Tillage Conference proceedings Jan2022

For more information see www.seedtech.ie

WOSR IN FOCUS

Aurelia

Hybrid Winter Oilseed Rape

IRELAND'S NO. 1 WINTER OILSEED RAPE

AURELIA WOSR
KEY VARIETAL ATTRIBUTES

Aurelia WOSR Hybrid breeding provides these genetic traits for disease resistance & yield

- Excellent stem strength (disease resistance)
- Pod shatter resistance traits
- Excellent lodging resistance
- Turnip Mosaic Virus (TuYV) resistance
- Extremely high yielding in DAFM trials 2019-2021
- Yield stability year on year over 10 years of data

SEEDTECH PORTFOLIO

LG AURELIA, and LG AVIRON are excellent and reliable varieties of winter oilseed rape for 2022 drilling.

These varieties contain next generation traits such as turnip mosaic resistance, enhanced pod shatter resistance and nitrogen efficiency.

For more information see www.seedtech.ie

SEEDTECH
AN ARVUM GROUP COMPANY

T: +353 51 832814
www.seedtech.ie

Shaping the future of seed