

KWS UK Hybrid Rye (Wholecrop) Results

Harvested June 29th, 2017

30.07.17

SEEDING
THE FUTURE
SINCE 1856

KWS



Hybrid Rye – Seed Rates + Drilling

KWS



Seed Rates + Drilling

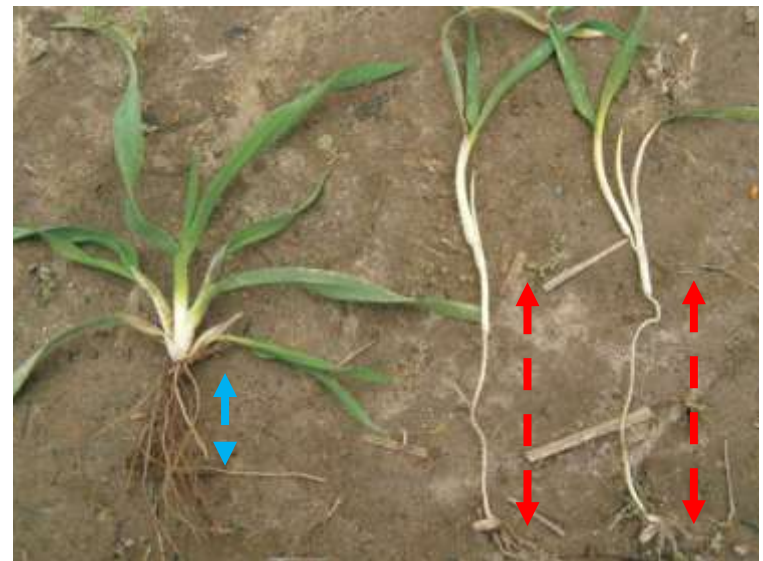
- Optimum drilling depth
 - 2cm - 4cm**
 - Deter (clothianidin) (3-4 cm)
 - Yield suppressed at depths < **4cm – 6cm**

UK Seed Treatments Available:

 Celest[®] Extra

 Beret[®] Gold

 Vibrance[®] Duo



UK Wholecrop Hybrids - 2017



KWS PROGAS

- Number 1 for AD in the UK
- Dedicated hybrid for AD
- High wholecrop yields (45t/ha +)
- Biogas yield/tn similar to maize (200m³)

KWS PROPOWER – New 2017

- Dedicated hybrid for AD - new benchmark for yield
- High wholecrop yields (45t/ha +)
- Higher stability and standing power v. KWS PROGAS
- More manageable canopy development and GS timing



2018 – Rye Portfolio – New Hybrids



KWS ETERNO – New 2018

- 2 in 1 Hybrid Rye – AD or Grain
- Harvest Index: High grain content (grains / ear)
- Excellent brown rust resistance comp. to KWS Magnifico / SU Drive
- High wholecrop yields (45t/ha +)
- Grain yield 11 t/ha +



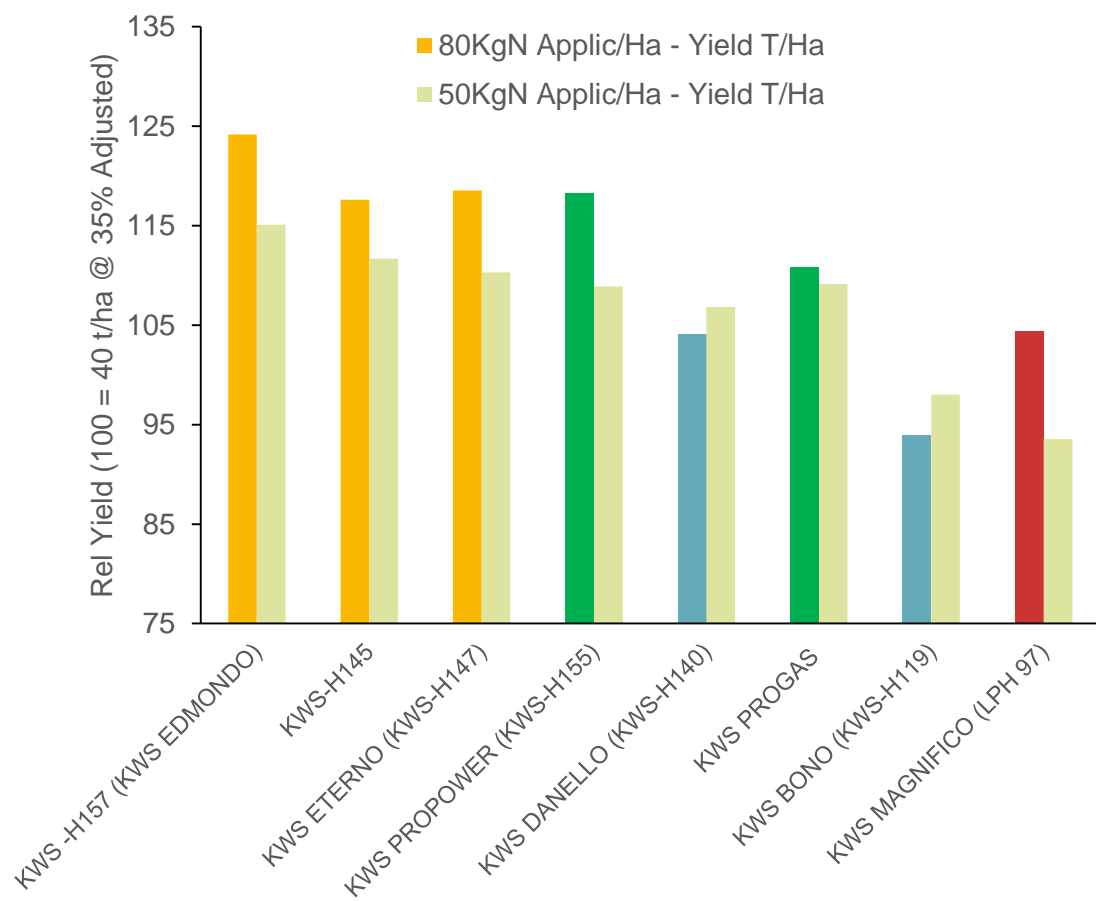
KWS EDMONDO – New 2018

- 2 in 1 Hybrid Rye – AD or Grain
- Harvest Index: High grain content (grains / ear)
- High wholecrop yields (45t/ha +)
- Grain yield 11.5 t/ha +
- Ideal for AD silage or livestock feed grain

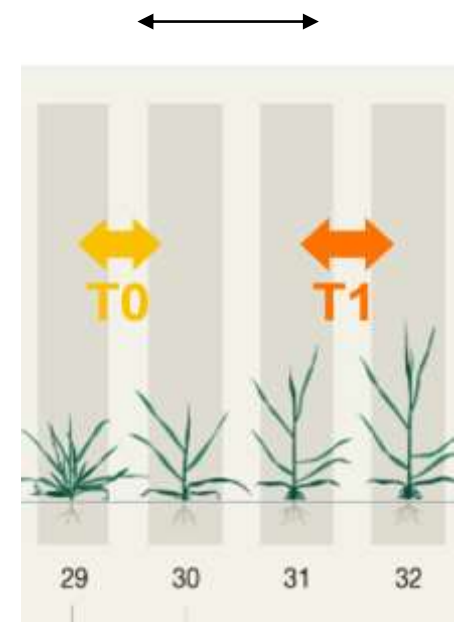


KWS UK Wholecrop Trials Data 2017

w/ Split N Rate GS 29 – 32 50 Kg/Ha N v. 80 Kg/Ha N Yield Responce



Split N Rate GS 29 – 32
50 Kg/Ha N v. 80 Kg/Ha N

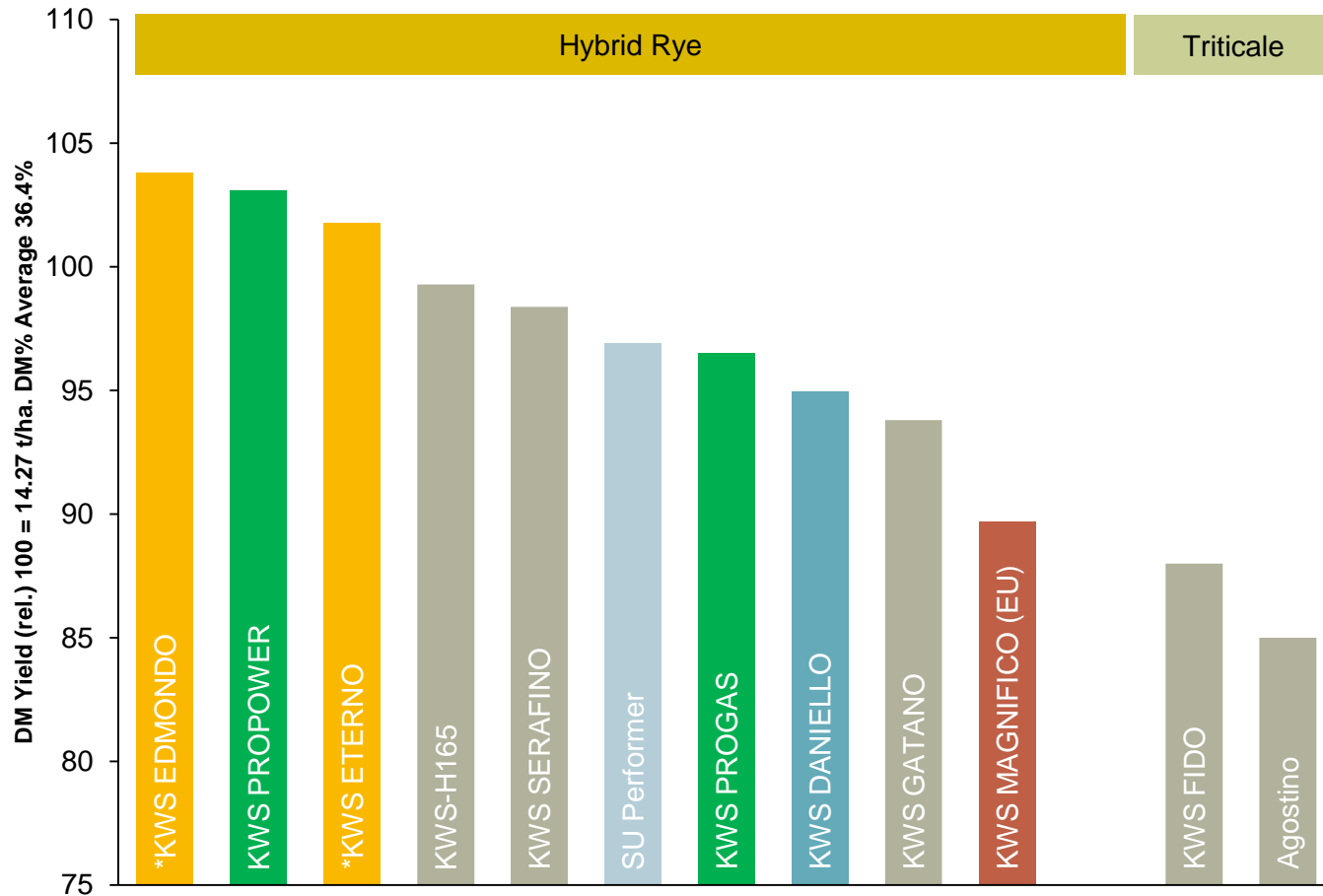


Data source; KWS UK Wholecrop Trials Data – 2017
 Trial Drilled October 2017, Harvested June 2017
 DM Yield adjusted to 35% DM expressed as Rel. % Split N Rates applied between GS 29 - 32

- Reference AD / Silage Hybrid
- Reference Grain Hybrid (KWS DANIELLO)
- Reference AD / Silage Hybrid (KWS PROGAS, KWS PROPOWER)
- New Candidate Hybrid *Tested only in 2015 + 2016

KWS LOCHOW GmbH, DE (German) Wholecrop Trials Data

3 Year Average - 2015, 2016, 2017



Data source; KWS LOCHOW GmbH, Wholecrop Trials Data 3 Year Average - 2015, 2016, 2017
 Control Hybrids SU Performer + KWS Gatano 5 Locations Germany (DE)
 Yield rel. 100 = 14.27 t/ha DM, Adjusted to 36.4% DM Mean
 Total N 150 Kg/Ha

- Reference AD / Silage Hybrid
- Reference Grain Hybrid (KWS DANIELLO)
- Reference AD / Silage Hybrid (KWS PROGAS, KWS PROPOWER)
- New Candidate Hybrid *Tested only in 2015 + 2016

Hybrid Rye – DM % Accumulation

KWS



UK Trials – Obs. Plots: Grains / Ear (2017)



← Biogas AD / Hybrids →

KWS PROGAS
KWS MAGNIFICO

KWS PROPOWER

← Grain / Dual Purpose Hybrids →

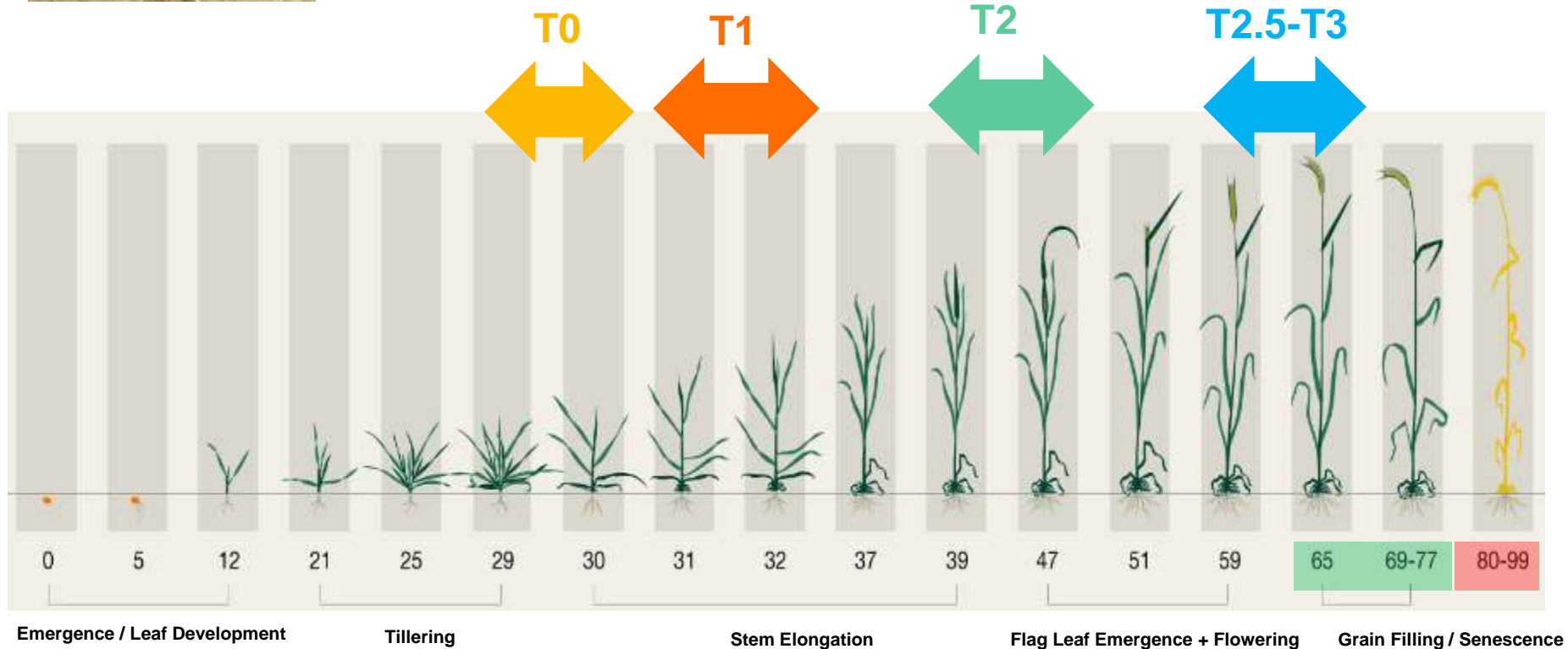
KWS BONO
KWS DANIELLO

KWS ETERNO
KWS EDMONDO

Data source; KWS UK Wholecrop Trials Data – 2017
Trial Drilled October 2017, Harvested June 2017

Hybrid Rye – Agronomy

Focus on Seed Rate, Drilling Depth & Brown Rust Control



* **Note:** We have taken great care to compile this cultivation advice and they reflect the current information, without giving guarantees. Please note the yearly development of your crop. Always read the instructions before using any plant protection product. We are not liable for the accuracy, completeness and actuality of this cultivation advice and are not liable in case of negligence and/or deliberate intention.

Wholecrop Harvest Grain Harvest

Hybrid Rye - Seed Rates and Drilling



- **Online Seed Rate Tool**
- 1 Unit = 1 Mio. Seeds – packed in multiples of 12 Un. (Equivalent to approx. 500 kg bulk bag) dep on TGW.
- Suggested Rate – [Sept 200 / m²] [October 250 / m²]

A screenshot of the KWS website's 'Hybrid Rye - Seed Rates and Drilling' tool. The page has a white background with a green and orange header. The KWS logo is in the top left. A search bar is in the top right. The main heading is 'Hybrid Rye - Seed Rates and Drilling'. Below it, there is a text prompt: 'Please enter between 175 - 450 seeds / m² Suggested Rate - [Sept 200 / m²] [October 250 / m²]'. The tool has several input fields: 'Pack Size' (with a dropdown menu showing '12' and 'Million'), 'Seed Rate' (with a dropdown menu showing 'm²'), and 'Hectares Drilled / Pack' (with a text input field). A 'CALCULATE' button is at the bottom right. A sidebar on the left contains navigation links: COMPANY, CAREERS, CULTIVANT, BLOG, TRIAL SEED, PORTFOLIO, HYBRID RYE, SEED RATES AND DRILLING (highlighted), and CONSULTANT. There is also a 'Crop' dropdown and a 'ZIP-Code' input field.

Link; [HERE](#)

Check your drilling rate (kg/ha) using your label weight and seed rate

Hybrid Rye – Portfolio 2017/18



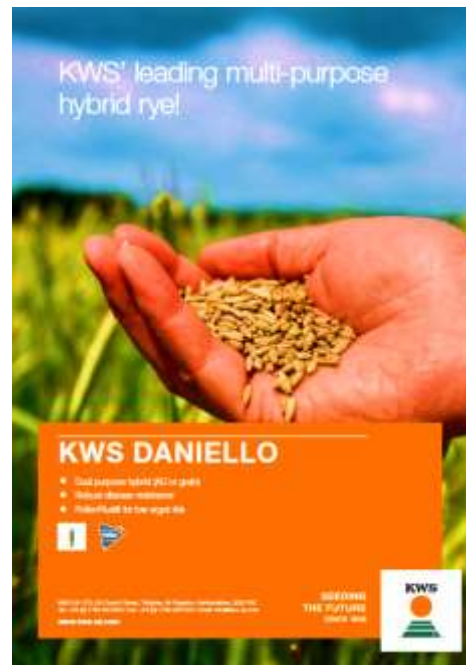
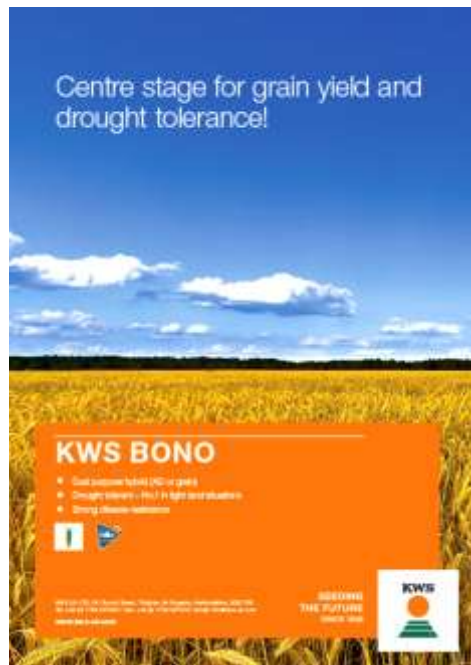
	Type (H = Hybrid)	Use
KWS PROGAS	PollenPlus® - H	Biogas (AD)
KWS PROPOWER *NEW*	PollenPlus® - H	Biogas (AD)



Hybrid Rye – Portfolio 2017/18



	Type (H = Hybrid)	Use
KWS BONO	PollenPlus® - H	Multi-Use (AD, Feed Grain, Food Ind.)
KWS DANIELLO	PollenPlus® - H	Multi-Use (AD, Feed Grain, Food Ind.)
KWS MAGNIFICO	PollenPlus® - H	Multi-Use (AD, Feed Grain, Food Ind.)



KWS' Hybrid Rye Contacts



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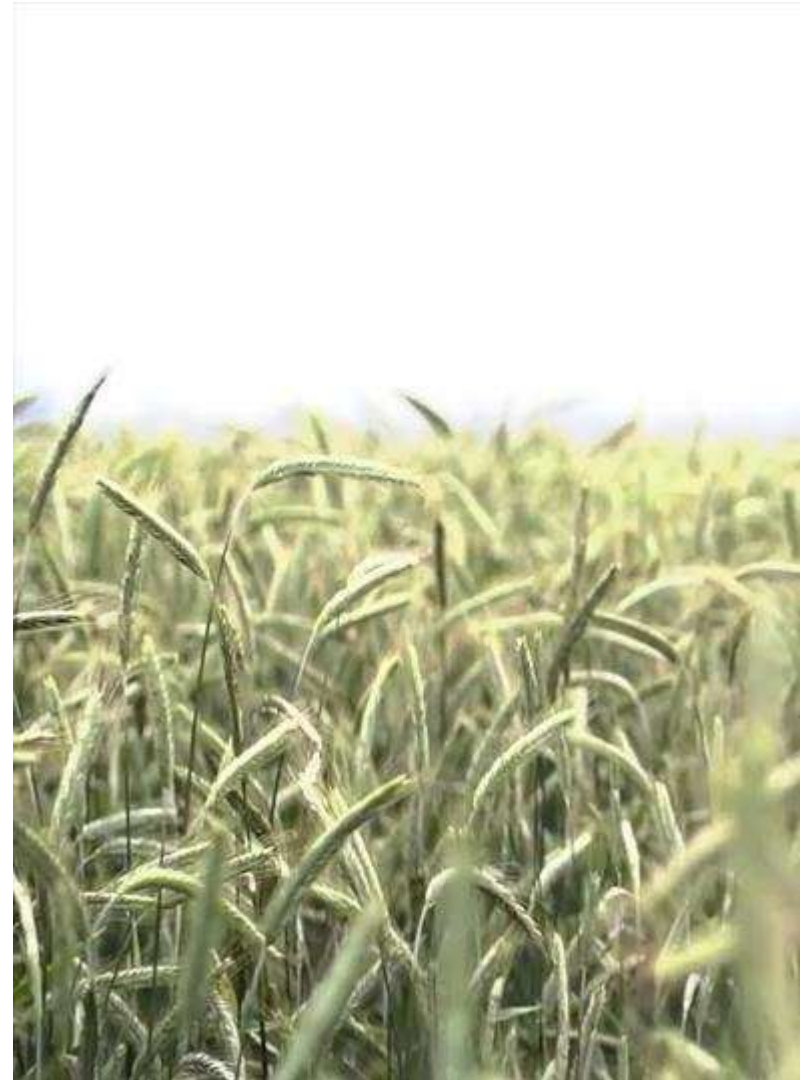
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KWS continues agronomic work for 2018 onwards focused on:

- PGR Programmes
 - Wholecrop
 - Grain
- Nitrogen
 - Total dose
- Seasonal Results Update
- **Contact the team for info at any time ! www.kws-uk.com**



Thank you
for your attention.

www.kws-uk.com

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