



Bridgnorth Monitor Farm

Meeting topic: Crop nutrition / YEN

Date: 18 January 2017

Venue: Norton Village Hall, Shropshire

Speakers: Ian Matts

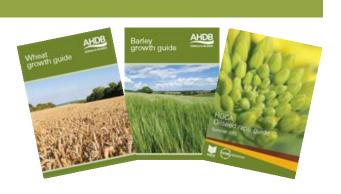


Nutrient management

- Avoid set programmes focus on the season and plan / adjust accordingly
- Scientific analysis of plant health (e.g. tissue tests) at key growth stages vital to inform decision making
- Improve understanding of test results
- Measure nitrogen to determine quantity to apply
- The optimum timing and product type may mean less has to be applied and allow savings to be made
- Delve deeper than soil indices certain nutrients may be present, but are they available to the plant?
- Treat specific deficiencies with tailored applications
- Trace elements are essential, but when and how to apply?
- Focus on the first 30 days of the plant's life sets yield potential

Further information:

- General guides on growing cereals and oilseeds: <u>wheat growth guide</u>; <u>barley growth guide</u>; <u>oilseed</u> <u>rape growth guide</u>
- Cereal growth stages a guide for crop treatments
- Micronutrients for cereals and oilseed rape: information sheet
- AHDB Cereals & Oilseeds Nutrient Management website









Bridgnorth Monitor Farm group YEN entries

Wheat

	Target yield	Nitrogen	Splits	Р	MOP	SO3
Farm Standard	9t/ha	205kg/ha	3	0	Variable rate	40kg/ha
YEN entry	12t/ha	300kg/a	4	0	Variable rate	50kg/ha

Split				
Early march	GS 30	GS 32/33	GS 37/39	
45kg/ha	85kg/ha	75kg/ha	0kg/ha	
45kg/ha	90kg/ha	90kg/ha	75kg/ha	

Oilseed rape

	Target yield	Nitrogen	Splits	Р	MOP	SO3
Farm Standard	4.5t/ha	210kg/ha	3	0	Variable rate	100kg/ha
YEN entry	5t/ha	250kg/a	3	0	Variable rate	100kg/ha

Split					
Late Feb	Green bud	Early flower	Foliar		
80kg/ha	80kg/ha	50kg/ha	0kg/ha		
80kg/ha	80kg/ha	50kg/ha	40kg/ha		





Next meeting

Variable rate farming

Date: Wednesday 8 March 2017

Time: 10.00am to 1.00pm (food included)

Venue: Norton Village Hall, Norton, Shropshire, TF11 9EQ

At this meeting Bridgnorth Monitor Farmer, Adrian Joynt is aiming to answer a number of questions to help direct his business decisions going forward, such as;

- Having applied lime and potash variably for four years should Adrian take the next step by adopting variable rate seed and nitrogen application?
- If so, what technology would be suitable for Goulburn Farms?
- Is it possible to draw any cost benefits from the technology?

We will be joined by local Nuffield Scholar, Andrew Williamson who help investigate how precision agriculture can increase production and efficiency on farm. Andrew will demonstrate his experiences with the technology involved and lessons learnt along the way.

We will also welcome Hereford Monitor Farmer, Mark Wood of JPF Clay Farms who will evaluate his work investigating whether variable rate application has either reduced variability or increased margins on his farm. This will include a detailed cost analysis.

To book a free space contact Richard Meredith on: richard.meredith@ahdb.org.uk or 07717 493015

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