

# 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: [wheat growth guide](#); [barley growth guide](#); [oilseed rape growth guide](#)
- 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	P	MOP	SO3
<b>Farm Standard</b>	9t/ha	205kg/ha	3	0	Variable rate	40kg/ha
<b>YEN entry</b>	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	P	MOP	SO3
<b>Farm Standard</b>	4.5t/ha	210kg/ha	3	0	Variable rate	100kg/ha
<b>YEN entry</b>	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](mailto:richard.meredith@ahdb.org.uk) or 07717 493015**

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