

06 June 2018

AHDB Strategic Farm West

Robert Fox, Farm Manager, TI Evans & Son

Leamington Spa Monitor Farmer 2014 – 2017

Strategic Farmer West 2018 - 2024



Housekeeping















Monitor Farm debate: Is your rotation fit for the future?

- Join us on both days at Cereals (13/14 June) for our rotations debate
- Have your chance to discuss this key topic with farmers from across the whole Monitor Farm network
- Meet at 11:30 for the debate at 11:45 (finish by 12:30)
- Cereals Event stand 467
- A hog roast will be served after the event



AHDB/ADAS - Arable Connections

Bromtrees Hall, Stoke Lacy, Herefordshire HR7 4HZ

19th June 2018 13:00 – 17:00

- Early sown AHDB Recommended List trial
- Full AHDB Wheat Recommended List demonstration
- AHDB/BASF weed screen
- Fungicide performance for Yellow Rust and Septoria
- BYDV
- Optimum seed rates
- Yield Enhancement Network Nitrogen Optiplots
- Cover crops
- Hereford Monitor Farm / FarmHerefordshire 6 plot cultivations demo
- Oilseed rape information stand



CEREALS & OILSEEDS

Agenda

13:20	Welcome	Richard Meredith	
13:25	What is a Strategic Farm?	Emily Smith	
13:35	The Strategic Farm West	Rob Fox	
13:50	Baselining	Richard Meredith & Rob Fox	
14:00	Farm tour	All	
15:30	Identifying priorities for Strategic Farm West	All	
15:45	Feedback & discussion	All	
16:00	Event close	Š	

Phase 1 Monitor Farms 2014 - 2018





Leamington Spa Monitor Farm











What is a Strategic Farm, how does it differ from a Monitor Farm and why it could benefit you?

Emily Smith - Knowledge Transfer Manager Arable



Spot the difference?



2018 – Strategic Farm



Monitor Farms – Farmer Led, Farmer Driven

- Aimed at business, technical and personal development.
- 4 to 6 open meetings per year over 3 years, plus closed benchmarking sessions.

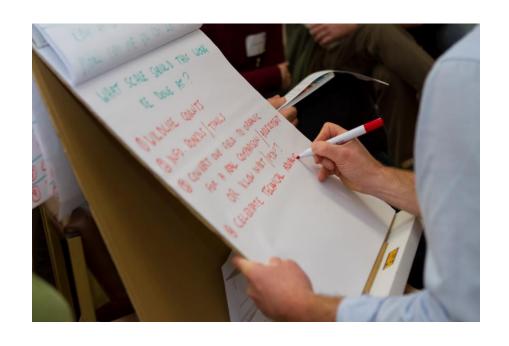
Strategic Farms Putting research into practice

- Focus on improving arable productivity through the formal testing and demonstrating of innovative practices on a field or farm scale.
- Aim to drive the adoption of innovation.
- 3 open meetings per year over 6 years, plus closed group visits.



Steering Group

- Rob Fox
- Jock Willmott
- Ian Matts
- Colin Woodward
- Mark Wood
- Richard Meredith
- Emily Smith



How can we be prepared for the future?

1. Know that a change will be required. **Knowing** something will force a change prepares you for a shift, even if you don't know what the shift will be.

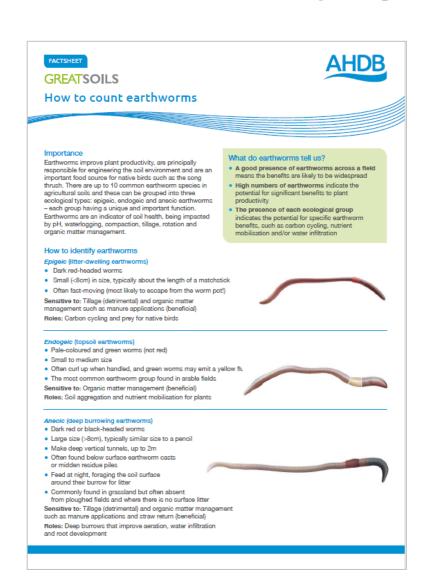
2. Prepare for change, to reduce your risk and increase your confidence.

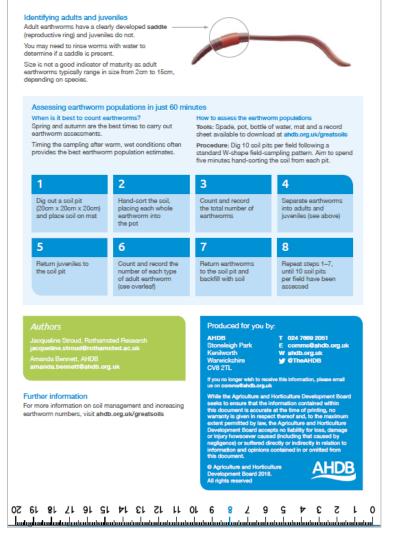
Putting research into practice

"....it is the activity rather than biomass of soil organisms that is responsible for shaping improvements in structure...."



At the core of the programme: practical messages





At the core of the programme: fully costed demonstrations



At the core of the programme: you!







Baselining

A minimum or starting point used for comparisons



Weather Station

- Rainfall
- Air temperature
- Wind speed and direction
- Soil temperature (surface and at depth)
- Soil moisture





Soil Sampling

- P index, K index, Mg index, active pH
- Boron, Manganese, Iron, Copper, Zinc, Molybdenum, Cobalt, Chloride, Sulphur
- Bulk density
- Buffer pH
- Soil organic matter (LOI)
- Organic carbon
- Biological analysis to include measures of bacteria, fungi; protozoa





Worm Activity

- Worm count
- Species mixture
- Biomass
- Score of "activity" (movement through the soil) in each field





Soil Electrical Conductivity Mapping

Soil Structure

Plant Counts and Biomass Assessments



Who am I?

- Rob Fox
- Originally from family dairy/arable farm
- HND at Seale Hayne Agricultural Collage
- Back home for 6 years
- 2 years as operator on 2500ac arable JV
- 8 years as Farm Manager at Squab Hall Farm
- AHDB Monitor Farmer 2014 2017
- AHDB Strategic Farmer 2018 2024



Squab Hall Farm

- 1000 acres arable
- 900ac cropped
- Part of 2500 acre Arable Joint Venture
- HLS Going into CSS Jan 2019
- Manager and 2 full time plus harvest casuals
- 90kw solar, looking into other renewables
- Extensive diversification in national/international removals, storage, document archiving/shredding & van hire





Squab Hall Farm

- Dairy until 1989
- Varied Soil type
 - Light to Medium Loams to very Heavy Clays
 - 15% to 65% clay
 - Wet impermeable with old drainage
- 5 year rotation
 - WW OSR WW Sp. Barley Sp. Beans
- Avg yields
 - WW 9.5t/ha OSR 3.8t/ha Sp. Barley 6t/ha
- Blackgrass, Heavy clays, high hp requirement





Squab Hall Farm

- Blackgrass
- Very Heavy clays
- Soils in good condition
- High HP requirement
- Very varied infield yield
 - WW Spot rates of 5.5t/ha to 15.5t/ha
 - OSR Spot rates of 1t/ha to 7.7t/ha
- Like Technology





Why did I become a Strategic Farmer?

- Share my experiences with others
- Learn from others and draw on their experiences
- Drive down costs
- Manage a better business
- Linking research to farm practice



Monitor Farm topic: Benchmarking

Cost of production 2017 (£/t)

	Feed Wheat	Spring Barley	Feed Barley	Oilseed Rape	Spring Beans
Variable Costs (excl rent & finance)	50	47	47	153	56
Fixed Costs (excl rent & finance)	57	80	71	135	131
Cost of Production (excl rent & finance)	107	128	119	289	187



Squab Hall Farm vision

Farm must stand on its own two feet

Must make a profit before Single Farm Payment



Don't get stuck in a rut! Use monitor farms to help you manage your business better!!





