

# Future Farm Update



Welcome and enjoy this brand new newsletter giving you an update of **Future Farm!**



Don't forget to check out our website for more information on the farm at <https://futurefarm.zone/>

## IN THIS ISSUE

### **How is the access to the farm changing**

*Information on what we are doing to keep our animals and people safe*

### **Updates from all Sector Managers**

*A personalized message from all Sector Managers, giving a run down of all things that happened in January*

### **An insight into the performance of the farm animals and last years arable yields**

*A visual representation of the performance of our animals and cropping and how our farm compares*

### **What we are growing and our environmental schemes**

*Provide a detailed list of what we have currently planted in the ground and information on our environmental schemes*

### **Thank you and Feedback**

*A brief thank you to our readers and details on where you can give feedback*

# How is the access changing on the farm?



As the risk of vehicle and equipment theft is ever increasing, and biosecurity is becoming increasingly important, Future Farm will be introducing new gates to the two main entrance/exit points of the farm.

The gates will limit the access of vehicles only, pedestrian access will remain via the farm office at Ancellor Yard or the beef and sheep boot room. The gates will be operated using a fob or a registered phone number.

The gate system will allow us to reduce the risk of disease being brought onto the farm by limiting the number of vehicles on site but will also allow us to monitor who has gained access and when.

**(Please remember to log all visits to Future Farm using the provided QR code)**

## Sector Managers Update:

### Message from Chris Ruffley

Sector Manager for Farm Operations



“The Autumn/Winter period has created some real challenges for the sector with over 1000mm rain falling in 2023 and in excess of 180mm to date in 2024. Most of the planned winter wheat was able to be drilled but has been seriously challenged by the warm wet winter. All oilseed rape that has survived the winter and avoided flooding looks promising. This has all been drilled using a strip till system followed by precision seeding building on the previous years decent results where we utilised this approach. We have 26ha of spring barley to be drilled in the coming weeks and as such we are praying for some dry windy days to make this possible! Two out of the three of these fields are large scale field trials, one being in partnership with Claydon which will take place on Buttery Hill is to look at how their machine compares to a conventional system. The other, based on Four gates is the second year of a planned long term experiment, lead by Simon Jeffery to compare direct drilling with conventional systems.

The Crops and Operations sector is heavily integrated with other sectors of the farm, particularly undertaking much of the feeding and bedding for the ruminant sector. Despite the challenging dry summer, forage stocks and quality continue to be outstanding across the board and can be seen clearly with increased milk from forage in the dairy units.

We have begun to utilise slurry for the 2024 season across the lighter soils of the farm where conditions are fit to travel. This is a stark contrast to 2023, when we were able to spread across all areas of the farm due to drier conditions.”

## Message from David Hughes

Sector Manager for Crops and Environment



*"After a trying winter drilling we have established our winter mainstay cereal crops overcoming the perils of the wet winter this far! Our recommended list trials are*

*showing keen vigour with the mild weather among other trials – however; insect damage has hampered our Oilseed rape trial crop's plant stands - due to local pressures of cabbage stem flea beetle indicative of local cropping trends.*

*We have prioritized key redevelopment of our crop processing facilities including the purchase of a new lab thresher to allow greater daily throughput and accuracy for our increasing commercial and academic work loads.*

*Further positive developments include indoor growth tents, controlled environment crop growth rooms with the exciting expansion project to our Jean Jackson polycarbonate greenhouse. Which will benefit our ongoing and new academic research projects. Also giving better representation of commercial glasshouse operations to our students.*

*Focus to locate and define new trial projects to expand our knowledge base is key to our department and add to our technical science officers' technical abilities.*

*As we move towards spring the team will be focusing on spring drilling and never-ending assessments needed for our trials.*

*Lastly – we have rebranded as Crop and Environment Trials from our old name say CERC."*

## Message from Matthew Swaine

Sector Manager for Monogastric



*"We have been hit with influenza in both the breeding herd and the feeding herd since the beginning of October 2023, with the knock-on effects of secondary infections,*

*Haemophilus parasuis and strep- suis in which we have seen an increase in the finishing mortality. The decision to blanket vaccinate all the herd with the FLU 3 vaccine was made in January 24, and to incorporate the FLU 3 vaccine into the vaccination program going forward.*

*The last health screening of the herd stills remains negative to EP (Enzootic Pneumonia) and PRRS (Porcine Reproductive and Respiratory Syndrome)*

*Antimicrobial usage in Q4 2023 was 49.7mg/kg, with antimicrobial usage during the last 12 months standing at 33.45mg/kg, a slight increase in Q4 due to the influenza.*

*We have a couple of trials going on at the moment, with different sire lines which were served in the beginning of Jan, these sows and gilts have now been pregnancy tested with a conception rate of 94.28%, so we are hoping to see a good born alive at farrowing. In the farrowing houses we are still seeing good born alive, averaging 16.20 / sow, and weaning average of 14.42/ sow."*



## Message from Kate Robinson

Sector Manager for Ruminants

### “Main dairy

*In January we served a small number of eligible heifers and cows to create a group of 30 Pro-Cross F1 heifers for the dairies. The cows were bred to a Coopex Montbeliarde sexed semen bull and heifers to a Viking Red sexed semen bull. The plan is to have a small mini herd within the main herd to optimise grazing and to do any comparative studies with. We will aim to block calve*

*the 30 late Autumn and turn out early spring, maximising milk indoors over the winter. New auto scrapers have been fitted in all the sheds and new HVLS fans in the main shed. The average lactation yield stands at 11,650 litres with fats and proteins above the Morrisons/ Muller contracted levels. It is planned for the herd to go to three times a day milking once we have a team of night milkers in place.*

### Smart dairy

*A new automated footbath has been installed and just waiting on completion to help with foot health. The cows are currently averaging 12,371 average lactation yields, jumping from 9,567 this time last year. Compared to NMR recorded herds of under 100 cows, the Smart dairy is excelling in milk/ cow/ year of life; lactation yield; 305-day yield and age at first calving. As with the main dairy there has been a spike in Johnes with J5 cows showing on the latest test, these cows have been recorded as cull cows and will exit accordingly.*

### Young stock

*The team have been incredibly busy the last few months with over 120 calves born over the Christmas/ New Year period. Calf mortality still sits at below 1% which is great testament to the entire ruminant team and their diligence to animal health and colostrum management. DLWG recording has been a challenge due to staff time to weigh animals but should become a more regular practice going forward. Fertility in bulling heifers and pregnancy rates are excellent, we have been holding back on inseminating heifers as their weights are very good but they are too young to serve.*

### Beef

*The unit continues to be fully stocked with dairy x British Blue and Angus cattle. There is a plan to have a grazing group of Angus cattle this year, around 30 animals and then outwinter with the in-calf heifers on Kale. There has been use of sexed Angus semen on heifers and Beef Shorthorn on cows to forge links with marketing cattle through Morrisons, two breeds that they are keen to buy.*

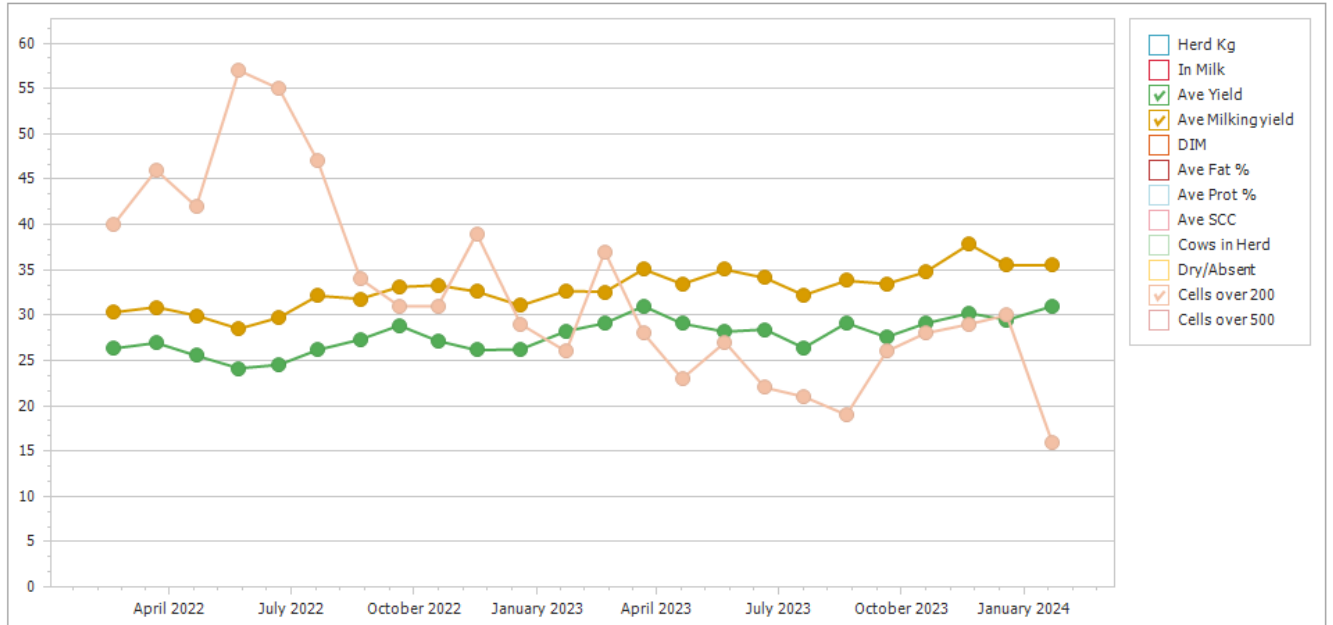
### Sheep

*Lambing has started this week for the first group of 150 ewes, it has been a slow start with at least one suspected Schmallenberg SBV case so far. Scanning was 197% for ewes and 187% for shearlings with only three empty shearlings out of 148 animals.”*

# Future Farm Animal Performance in January 2024:

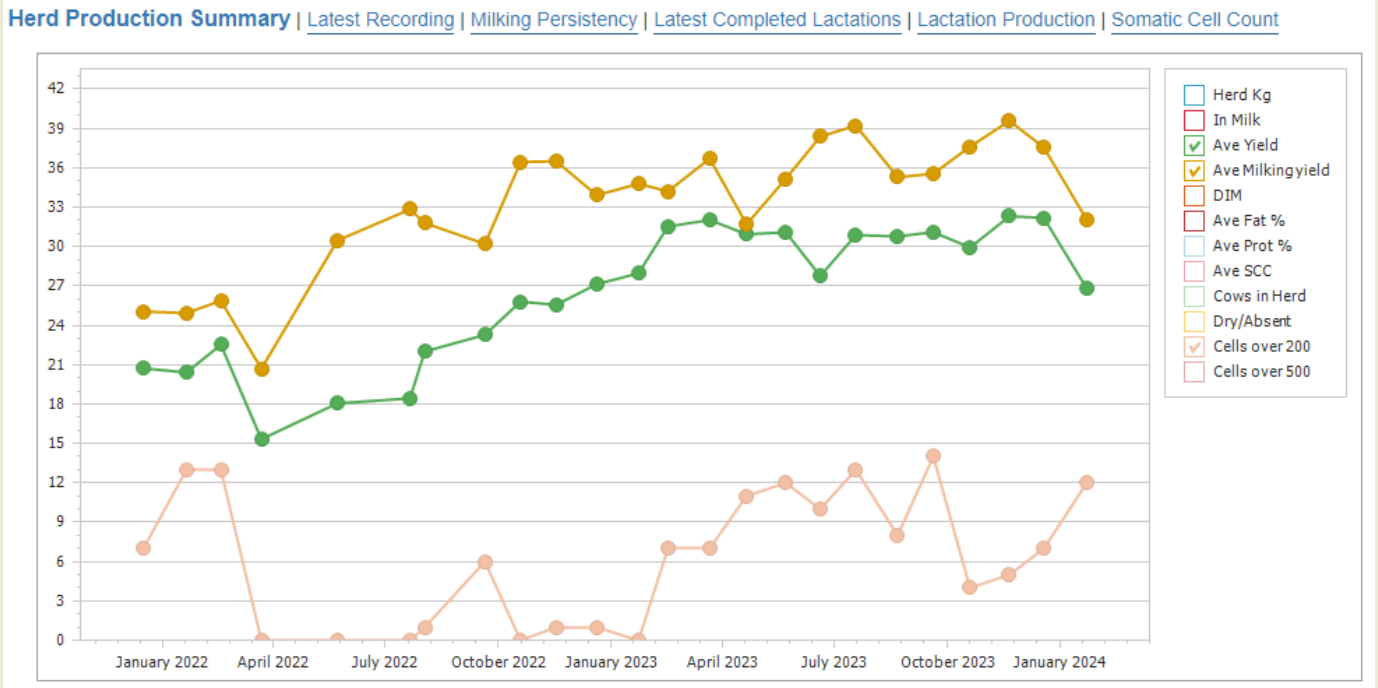
The Main Dairy milk yield and KPI's in comparison to all NMR recorded herds of a similar herd size (Please note. The graph and KPI table are a screenshot from Herd Companion)

[Herd Production Summary](#) | [Latest Recording](#) | [Milking Persistency](#) | [Latest Completed Lactations](#) | [Lactation Production](#) | [Somatic Cell Count](#)



KPIs	'Worst' <-----> 'Best'	Worst	You	Best	Mean
Milk/Cow/Year of life	<div style="width: 60%;"><div style="width: 10%;"></div></div>	4,068	6,809	8,995	6,031
Milk/Cow/Year	<div style="width: 65%;"><div style="width: 10%;"></div></div>	6,123	10,947	13,579	9,788
Lactation Yield	<div style="width: 70%;"><div style="width: 10%;"></div></div>	6,147	11,635	12,571	9,641
305 Day yield	<div style="width: 60%;"><div style="width: 10%;"></div></div>	5,845	9,813	11,889	8,893
Protein/Cow/Year	<div style="width: 65%;"><div style="width: 10%;"></div></div>	214	352	447	331
Fat/Cow/Year	<div style="width: 65%;"><div style="width: 10%;"></div></div>	243	410	620	414
Ave. Protein %	<div style="width: 60%;"><div style="width: 10%;"></div></div>	3.13	3.22	3.78	3.39
Ave. Fat %	<div style="width: 60%;"><div style="width: 10%;"></div></div>	3.65	3.74	5.21	4.24
Mean Parity	<div style="width: 60%;"><div style="width: 10%;"></div></div>	2.09	2.55	3.58	2.74
Calv. Interval < 385 %	<div style="width: 60%;"><div style="width: 10%;"></div></div>	30.90	52.08	78.63	56.90
Ave. Lactation length	<div style="width: 60%;"><div style="width: 10%;"></div></div>	377	353	248	311
Ave. SCC	<div style="width: 60%;"><div style="width: 10%;"></div></div>	329	102	86	166
% Cows in Parity 1	<div style="width: 60%;"><div style="width: 10%;"></div></div>	46.12	31.82	9.16	29.32
Age 1st Calving	<div style="width: 60%;"><div style="width: 10%;"></div></div>	945	733	671	773
Ave. Calving interval	<div style="width: 60%;"><div style="width: 10%;"></div></div>	467	397	364	392
Ave. Dry days	<div style="width: 60%;"><div style="width: 10%;"></div></div>	72	50	43	55
Culling + Death %	<div style="width: 60%;"><div style="width: 10%;"></div></div>	48	26	17	30
Ave. No. Cows	<div style="width: 60%;"><div style="width: 10%;"></div></div>	307	369	1,230	497

The Smart Dairy milk yield and KPI's in comparison to all NMR recorded herds of a similar herd size (Please note. The graph and KPI table are a screenshot from Herd Companion)



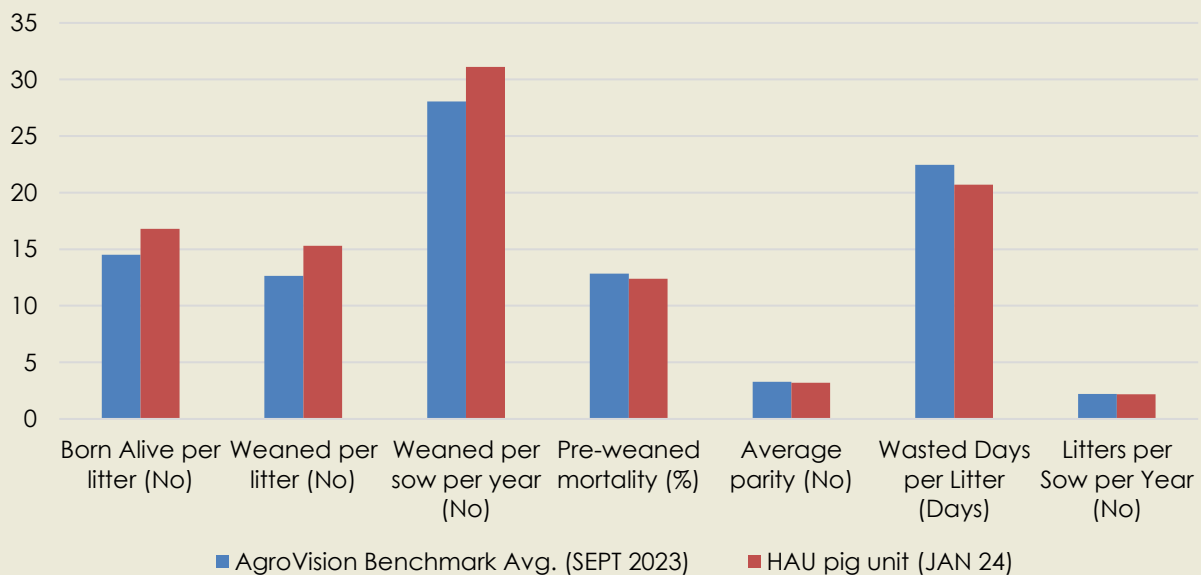
KPIs	'Worst' <-----> 'Best'	Worst	You	Best	Mean
Milk/Cow/Year of life		4,068	8,828	8,995	6,031
Milk/Cow/Year		6,123	9,447	13,579	9,788
Lactation Yield		6,147	12,371	12,571	9,641
305 Day yield		5,845	10,100	11,889	8,893
Protein/Cow/Year		214	311	447	331
Fat/Cow/Year		243	339	620	414
Ave. Protein %		3.13	3.29	3.78	3.39
Ave. Fat %		3.65	3.59	5.21	4.24
Mean Parity		2.09	3.18	3.58	2.74
Calv. Interval<385 %		30.90	47.22	78.63	56.90
Ave. Lactation length		377	333	248	311
Ave. SCC		329	355	86	166
% Cows in Parity 1		46.12	5.26	9.16	29.32
Age 1st Calving		945	696	671	773
Ave. Calving interval		467	412	364	392
Ave. Dry days		72	60	43	55
Culling + Death %		48	24	17	30
Ave. No. Cows		307	46	1,230	497

The Main dairy and Smart dairy milk quality components in comparison to the Benchmark Muller average

<i>January 2024</i>			
	<i>Main Dairy</i>	<i>Smart Dairy</i>	<i>Muller Average</i>
<i>Ave Bfat (%)</i>	4.3	4.22	4.35
<i>Ave Protein (%)</i>	3.29	3.29	3.38
<i>Ave SCC ('000/ml)</i>	94	115	142.3
<i>Ave BAC ('000/ml)</i>	12	20	20.99
<i>Therms (cfu/ml)</i>	160	160	449
<i>FPD (m*C)</i>	532	528	N/A

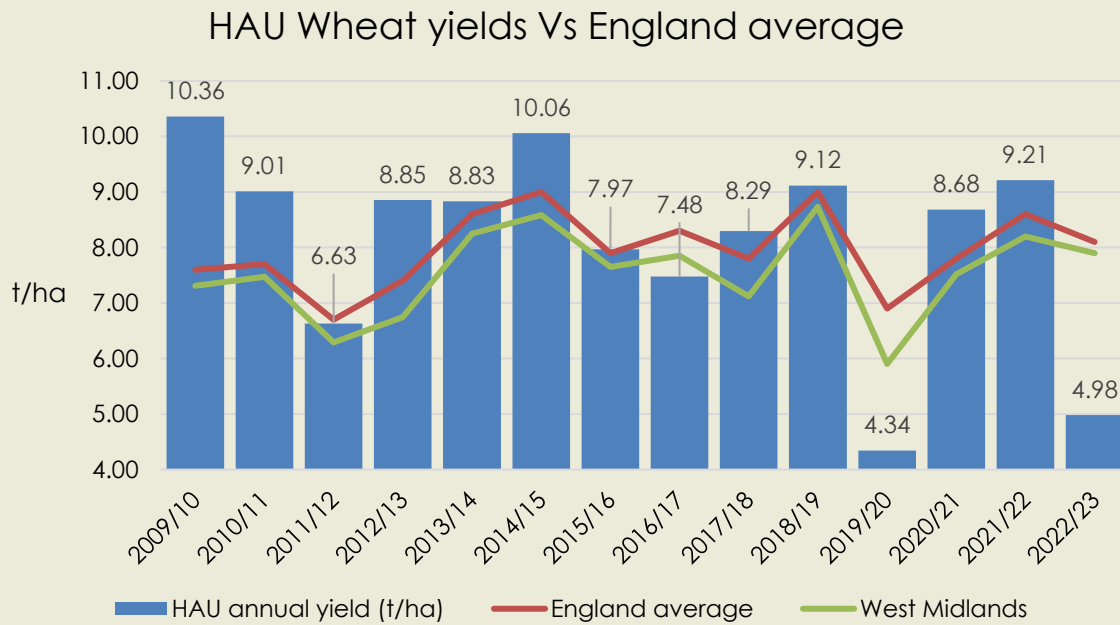
The pig unit production performance in comparison to the AgroVision Benchmark average (Please note. The AgroVision Benchmark figures are produced on a quarterly basis, for this performance comparison the September 2023 report has been used)

Pig Unit Performance vs AgroVision Benchmark

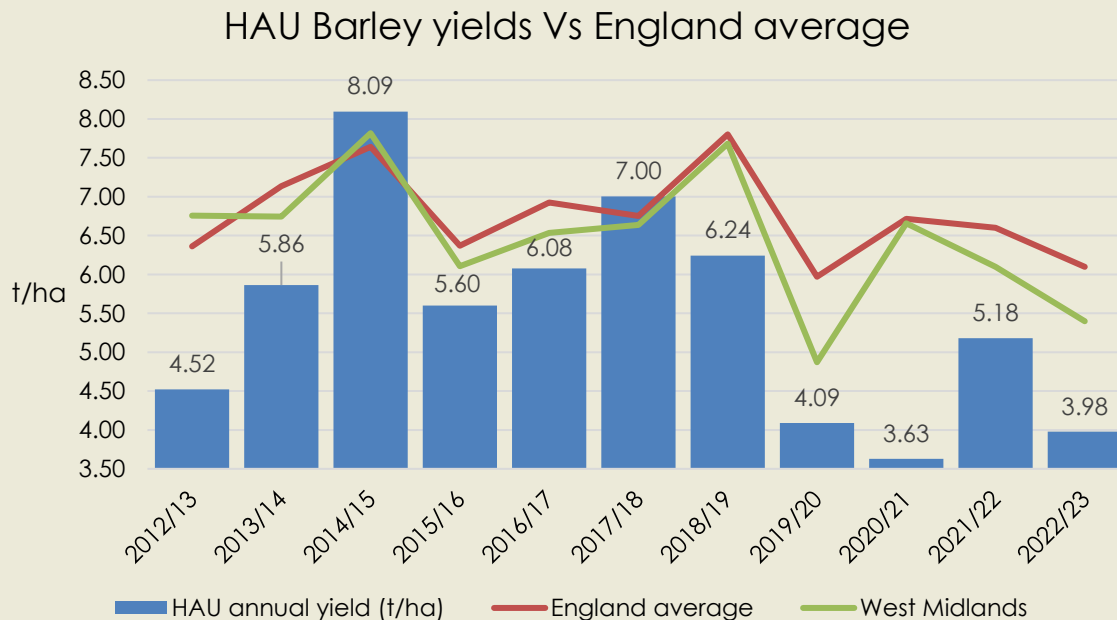


# Future Farm Arable Yields From Harvest 2023:

A comparison of wheat yields from England and West Midlands average (Please note. The average figures for England and West Midlands are produced from DEFRA)

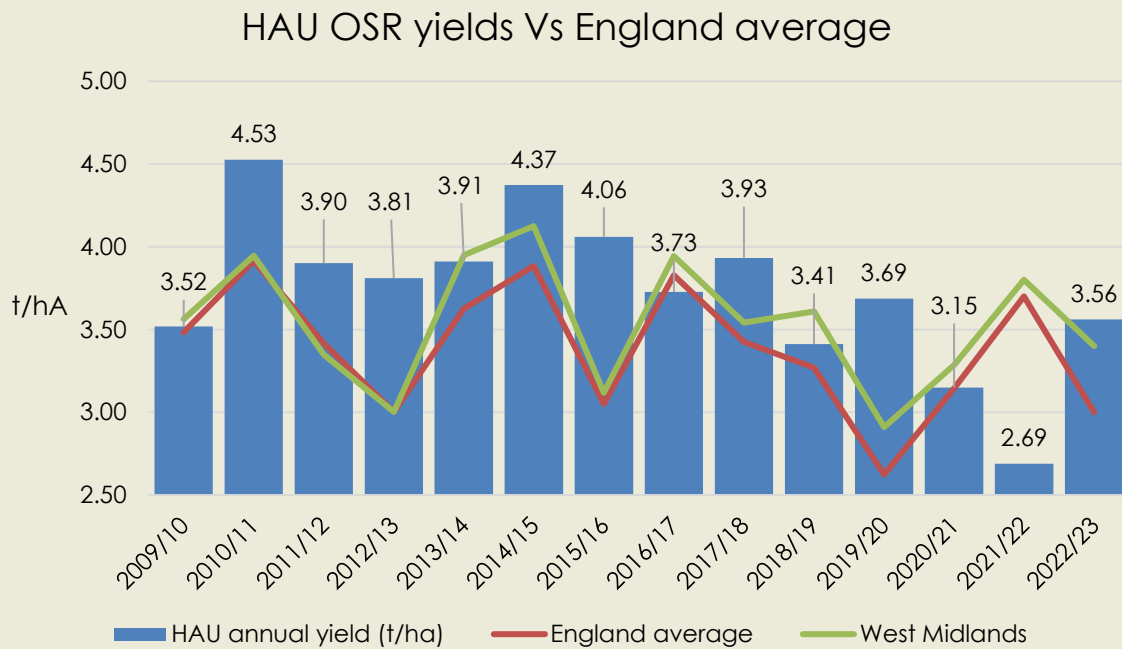


A comparison of barley yields from England and West Midlands average (Please note. The average figures for England and West Midlands are produced from DEFRA)





A comparison of oilseed rape yields from England and West Midlands average  
 (Please note. The average figures for England and West Midlands are produced from DEFRA)



## Future Farm field and cropping list for cropping year 2023/2024:

The following pages contain the details of our registered fields and the crop we currently have in the ground, there are also details of previous crop and field soil type, which is vital information to ensure the correct management of these fields.  
 (Please note. The information produced was retrieved from Omnia which is updated regularly)

Field name	Area (ha)	Sowing date	Crop	Variety	Target yield (t/ha)	Previous crop	Soil type	Subsoil type	NVZ	Spread area (ha)
Adney Brookside	3.89	17/09/2023	Cover crop	UNSPEC.		Spring Barley	Sandy clay loam	Sandstone/Sand	✓	3.89
Adney Brookside	3.89	15/04/2024	Maize	UNSPEC.	40	Spring Barley -> Cover Crop	Sandy clay loam	Sandstone/Sand	✓	3.89
Adney Corner	16.34	01/08/2023	Grass			Grass	Peat	Sandstone/Sand	✓	16.34
Adney Dog Leg	3.26	01/08/2023	Grass			Grass	Peat	Sandstone/Sand	✓	3.26
Adney Loaders	4.05	01/08/2023	Grass			Grass	Peat	Sandstone/Sand	✓	4.05
Adney Middle	3.3	01/08/2023	Grass			Grass	Peat	Sandstone/Sand	✓	3.3
Adney Yard	7.14	02/08/2023	Uncropped			Winter Oilseed Rape	Peat	Sandstone/Sand	✓	7.14
Adney Yard	1.27	01/08/2023	Grass			Grass	Peat	Sandstone/Sand	✓	1.27
Adney Yard Strip	0.46	01/08/2023	Grass Margin			Uncropped	Organic	Sandstone/Sand	✓	0.46
Back Lane	3.49	01/08/2023	Grass			Grass	Sandy clay loam	Clay	✓	3.49
Bag Paddock	0.87	02/03/2024	Grass			Grass	Sandy clay loam	Sandstone/Sand	✓	0.87
Bailey Hills North 1	8.98	01/08/2023	Grass			Grass	Sandy clay loam	Sandstone/Sand	✓	8.98
Bailey Hills North 2	10.73	01/08/2023	Grass			Grass	Sandy clay loam	Sandstone/Sand	✓	10.73
Bailey Hills South	10.21	01/08/2023	Grass			Grass	Sandy clay loam	Sandstone/Sand	✓	10.21
Birchmoors 1	8.58	02/09/2023	Grass			Grass	Peat	Sandstone/Sand	✓	8.58
Birchmoors 2	2.02	01/08/2023	Grass			Grass	Peat	Sandstone/Sand	✓	2.02
Birds Nest	7.37	15/04/2024	Maize	UNSPEC.	40	Winter Wheat	Sandy clay loam	Sandstone/Sand	✓	7.37
Birdsnest Strip	0.33	30/03/2024	Wild Bird Mix			Uncropped	Loamy sand	Sandstone/Sand	✓	0.33
Birdsnest Strip	0.29	30/03/2024	Pollen/Nectar			Uncropped	Loamy sand	Sandstone/Sand	✓	0.29
Birdsnest Triangle	0.44	30/03/2024	Wild Bird Mix			Uncropped	Sandy clay loam	Sandstone/Sand	✓	0.44
Birdsnest Triangle	0.25	30/03/2024	Pollen/Nectar			Uncropped	Sandy clay loam	Sandstone/Sand	✓	0.25
Black Britch	6.74	01/08/2023	Lucerne	DAISY		Lucerne	Sandy clay loam	Sandstone/Sand	✓	6.74
Black Britch	6.74	01/10/2023	Winter Wheat	UNSPEC. FEED	8	Lucerne	Sandy clay loam	Sandstone/Sand	✓	6.74
Blackbritch Strip	0.52	01/08/2023	Wild Bird Mix			Wild Bird Mix	Sandy clay loam	Sandstone/Sand	✓	0.52
Blackbritch Tri 1	0.17	01/08/2023	Pollen/Nectar			Pollen/Nectar	Sandy clay loam	Sandstone/Sand	✓	0.17
Blackbritch Tri 2	0.34	01/08/2023	Pollen/Nectar			Pollen/Nectar	Sandy clay loam	Sandstone/Sand	✓	0.34
Blackbritch Trial	3.28	01/08/2023	Grass			Grass	Sandy clay loam	Sandstone/Sand	✓	3.28
Blue Pits	1.7	01/10/2023	Spring Barley	LAUREATE	5.5	Spring Wheat	Sandy clay loam	Sandstone/Sand	✓	1.7
Bluepits Triangle	0.47	01/08/2023	Grass Margin			Uncropped	Silty clay	Clay	✓	0.47

Field name	Area (ha)	Sowing date	Crop	Variety	Target yield (t/ha)	Previous crop	Soil type	Subsoil type	NVZ	Spread area (ha)
Buttery Hill	8.97	05/06/2023	Kale	MARIS KESTREL		Italian Ryegrass	Sandy clay loam	Sandstone/Sand	✓	8.97
Buttery Hill	8.97	01/04/2024	Spring Barley	LAUREATE	5.5	Kale	Sandy clay loam	Sandstone/Sand	✓	8.97
Buttery Hill South	1.82	31/05/2023	Grapes		7.5	Uncropped	Sandy loam	Sandstone/Sand	✓	1.82
Caynton Ancellor	0.83	01/08/2023	Grass			Uncropped	Sandy clay loam	Sandstone/Sand	✓	0.83
Common Field	3.58	15/09/2023	Cover crop	UNSPEC.		Winter Wheat	Sandy clay loam	Sandstone/Sand	✓	3.58
Common Field	3.58	15/04/2024	Maize	UNSPEC.	40	Winter Wheat -> Cover Crop	Sandy clay loam	Sandstone/Sand	✓	3.58
Conquer Moor	7.6	01/10/2023	Winter Wheat	KWS DAWSUM	9	Grass	Sandy clay loam	Clay	✓	7.6
Cote Ussock	4.69	01/08/2023	Grass			Grass	Sandy clay loam	Sandstone/Sand	✓	4.69
Cote Ussock Strip	0.21	01/08/2023	Grass Margin			Uncropped	Sandy clay loam	Sandstone/Sand	✓	0.21
Cottage Field	2.84	01/08/2023	Grass			Grass	Sandy clay loam	Sandstone/Sand	✓	2.84
Crabtree East	9.54	01/04/2024	Kale	MARIS KESTREL		Forage Maize	Sandy clay loam	Sandstone/Sand	✓	9.54
Crabtree West	0.67	01/04/2024	Kale	MARIS KESTREL		Forage Maize	Sandy loam	Sandstone/Sand	✓	0.67
Dereks	6.58	01/08/2023	Lucerne	UNSPEC.		Lucerne	Sandy clay loam	Sandstone/Sand	✓	6.58
Engineering	2.32	01/08/2023	Grass			Uncropped	Sandy clay loam	Sandstone/Sand	✓	2.32
Far Broad	5.85	22/09/2023	Winter Rye	HUMBOLT	35	Winter Wheat	Sandy clay loam	Sandstone/Sand	✓	5.85
Far Broad Strip	0.26	01/08/2023	Grass Margin			Uncropped	Sandy clay loam	Sandstone/Sand	✓	0.26
Fourgates	5.86	01/10/2023	Spring Barley	LAUREATE	5.5	Soya Beans	Sandy clay loam	Sandstone/Sand	✓	5.86
Frank's	2.95	16/11/2023	Winter Wheat	KWS EXTASE	9	Winter Wheat	Sandy clay loam	Clay	✓	2.95
Galas	2.41	01/10/2023	Maize	UNSPEC.	40	Potatoes	Sandy clay loam	Sandstone/Sand	✓	2.41
Garden Field	3.9	02/10/2023	Winter Wheat	KWS DAWSUM	9	Forage Maize	Sandy clay loam	Sandstone/Sand	✓	3.9
Heaford Meadow	2.09	01/08/2023	Grass			Grass	Sandy clay loam	Sandstone/Sand	✓	2.09
Heaford Strip	0.3	01/08/2023	Wild Bird Mix			Wild Bird Mix	Sandy clay loam	Sandstone/Sand	✓	0.3
Horse Foxhole	5.39	01/08/2023	Grass			Grass	Sandy clay loam	Sandstone/Sand	✓	5.39
Horse Paddocks	1.92	01/08/2023	Grass			Grass	Sandy clay loam	Sandstone/Sand	✓	1.92
Intake	2.11	17/09/2023	Cover crop	UNSPEC.		Spring Barley	Sandy clay loam	Sandstone/Sand	✓	2.11
Intake	2.11	15/04/2024	Maize	UNSPEC.	40	Spring Barley -> Cover Crop	Sandy clay loam	Sandstone/Sand	✓	2.11
L Shaped	8.5	15/04/2024	Potatoes	UNSPEC. GP 1	50	Forage Maize	Sandy clay loam	Sandstone/Sand	✓	8.5
L Shaped Strip	0.32	01/08/2023	Pollen/Nectar			Uncropped	Sandy clay loam	Clay	✓	0.32
Large Marsh Commercial	3.22	02/09/2023	Winter Oilseed Rape	UNSPEC.	4.5	Winter Wheat	Sandy clay loam	Sandstone/Sand	✓	3.22
Large Marsh Commercial	1.17	16/08/2023	Uncropped			Winter Wheat	Sandy clay loam	Sandstone/Sand	✓	1.17

Field name	Area (ha)	Sowing date	Crop	Variety	Target yield (t/ha)	Previous crop	Soil type	Subsoil type	NVZ	Spread area (ha)
Large Marsh Strip	0.33	01/08/2023	Grass Margin			Grass Margin	Sandy clay loam	Sandstone/Sand	✓	0.33
Large Marsh Trial	3.21	01/10/2023	Winter Wheat	UNSPEC. FEED	8	Spring Oats	Sandy clay loam	Sandstone/Sand	✓	3.21
Large Pit	4.04	01/08/2023	Lucerne	UNSPEC.		Lucerne	Sandy clay loam	Sandstone/Sand	✓	4.04
Liberty	3.83	01/08/2023	Grass			Grass	Sandy clay loam	Sandstone/Sand	✓	3.83
Lins Leasow 25-3-22	4.99	01/08/2023	Grass			Grass	Sandy clay loam	Sandstone/Sand	✓	4.99
Longford Grass	6.18	01/08/2023	Grass			Uncropped	Sandy clay loam	Sandstone/Sand	✓	6.18
Longwithy	6.8	16/06/2024	Lucerne	UNSPEC.		Lucerne	Sandy clay loam	Sandstone/Sand	✓	6.8
Marlpit Leasow	7.77	01/08/2023	Grass			Winter Oilseed Rape	Sandy clay loam	Sandstone/Sand	✓	7.77
Marlpit Leasow Strip	0.38	01/08/2023	Wild Bird Mix			Wild Bird Mix	Sandy clay loam	Sandstone/Sand	✓	0.38
Marlpit Strip 1	0.05	01/08/2023	Grass Margin			Uncropped	Sandy clay loam	Sandstone/Sand	✓	0.05
Marlpit Strip 2	0.12	01/08/2023	Grass Margin			Uncropped	Sandy clay loam	Sandstone/Sand	✓	0.12
Middle Leasow	2.06	01/08/2023	Grass			Grass	Sandy clay loam	Sandstone/Sand	✓	2.06
Middle Moor	9.89	01/10/2023	Spring Barley	LAUREATE	5.5	Winter Oilseed Rape	Clay loam	Sandstone/Sand	✓	9.89
Middlemoor Strip	0.27	01/08/2023	Grass Margin			Uncropped	Silty clay	Clay	✓	0.27
Near Broad	5.02	17/09/2023	Cover crop	UNSPEC.		Spring Wheat	Sandy clay loam	Sandstone/Sand	✓	5.02
Near Broad	5.02	15/04/2024	Maize	UNSPEC.	40	Spring Wheat -> Cover Crop	Sandy clay loam	Sandstone/Sand	✓	5.02
Near Broad Strip	0.31	01/08/2023	Grass Margin			Uncropped	Sandy clay loam	Sandstone/Sand	✓	0.31
Near Cott Leasow	4.16	01/10/2023	Maize	UNSPEC.	40	Grass	Sandy clay loam	Sandstone/Sand	✓	4.16
Nearmoor	13.21	01/09/2023	Winter Oilseed Rape	LG SCORPION	4	Winter Rye -> Cover Crop	Sandy clay loam	Sandstone/Sand	✓	13.21
Nearmoor Meadow	6.26	01/08/2023	Grass			Uncropped	Organic	Clay	✓	6.26
Nearmoor Strip	0.39	01/08/2023	Grass Margin			Uncropped	Sandy clay loam	Clay	✓	0.39
New Field 1	5.16	01/08/2023	Uncropped			Uncropped	Sandy silt loam	Sandstone/Sand	✓	5.16
New Field 2	3.48	01/08/2023	Uncropped			Uncropped	Sand	Sandstone/Sand	✓	3.48
Pit Ancellor	2.06	01/08/2023	Grass			Grass	Sandy clay loam	Sandstone/Sand	✓	2.06
Plantation East	9.05	01/08/2023	Grass			Grass	Sandy clay loam	Sandstone/Sand	✓	9.05
Poorland	7.45	02/09/2023	Winter Oilseed Rape	UNSPEC.	4.5	Winter Wheat	Sandy clay loam	Sandstone/Sand	✓	7.45
Reservoir Field	1.61	01/08/2023	Grass			Grass	Sandy clay loam	Sandstone/Sand	✓	1.61
Sandwells	11.17	01/08/2023	Italian Ryegrass			Italian Ryegrass	Sandy clay loam	Sandstone/Sand	✓	11.17
Sandwells	11.17	01/04/2024	Lucerne	UNSPEC.		Italian Ryegrass	Sandy clay loam	Sandstone/Sand	✓	11.17
Shed Field	5.46	01/08/2023	Grass			Grass	Sandy clay loam	Sandstone/Sand	✓	5.46
Shed Field Strip	0.5	01/08/2023	Grass Margin			Uncropped	Organic	Sandstone/Sand	✓	0.5
Shed Field Triangle	0.35	07/06/2023	Pollen/Nectar			Uncropped	Organic	Sandstone/Sand	✓	0.35



## Our environmental schemes:

We have an Environmental Stewardship entry level/higher level stewardship agreement.

Our entry level stewardship agreement includes 96.56 ha of land. We receive an annual payment of £2,896.80 (£30 per ha) and 2,897 target points for the entry level stewardship agreement.

Details of our current higher-level stewardship schemes are below:

- HE10 Floristically enhanced grass margin
- HF4 Nectar flower mixture
- HF12 Enhanced wild bird seed mix plots
- HF13 Uncropped cultivated areas for ground-nesting birds – arable
- HG7 Low input spring cereals to retain or re-create an arable mosaic
- HK9 Maintenance of wet grassland for breeding

Options	Period covered	01/01/24 to 31/12/24
HE10 Floristically enhanced grass margin		£213.40
HF4 Nectar flower mixture		£675
HF12 Enhanced wild bird seed mix plots		£589
HF13 Uncropped cultivated areas for ground-nesting birds – arable		£720
HG7 Low input spring cereal to retain to re-create an arable mosaic		£2,000
HK9 Maintenance of wet grassland for breeding waders		£2,137.30
<b>Total HLS payment</b>		<b>£6,334.70</b>

## Part 2A - Environmental Stewardship scheme parcel based options summary:

<b>OPTIONS</b>				
<b>RLR Field number</b>	<b>RLR field size (ha)</b>	<b>Code</b>	<b>Description</b>	<b>Quantity (ha/100m/no.)</b>
SJ70191138	6.38	A13	Nonpayment option – permanent grassland for Article 13	6.38
		HK9	Maintenance of wet grassland for breeding waders	6.38
SJ70194153	24.89	EE9	6m buffer strips on cultivated land next to a watercourse	0.30
		HE10	Floristically enhanced grass margin	0.11
		HE10	Floristically enhanced grass margin	0.09
		HE10	Floristically enhanced grass margin	0.16
SJ70195301	10.59	EE9	6m buffer strips on cultivated land next to a watercourse	0.33
		EF1	Field corner management	0.30
SJ70197525	2.31	EF1	Field corner management	0.19
SJ70199627	15.93	EE9	6m buffer strips on cultivated land next to a watercourse	0.3
		EF1	Field corner management	0.29
		HE10	Floristically enhanced grass margin	0.08
SJ71181989	33.35	EE9	6m buffer strips on cultivated land next to a watercourse	0.41
		EF1	Field corner management	0.58
		EJ5	In-field grass areas	1

Part 2B – Whole farm, rotational, farm buildings and access base payment options summary:

<b>Code</b>	<b>Description</b>	<b>Quantity (ha/100m/no.)</b>
EA1	<i>Farm Environment Record (FER)</i>	96.56
EB2	<i>Hedgerow management for landscape (on one side of a hedge)</i>	2415
EB3	<i>Hedgerow management for landscape and wildlife</i>	450
EF6	<i>Over-wintered stubbles</i>	9.2
HF4	<i>Nectar flower mixture</i>	1.5
HF12	<i>Enhanced wild bird seed mix plots</i>	1.24
HF13	<i>Uncropped cultivated areas for ground- nesting birds – arable</i>	2
HG7	<i>Low input spring cereal to retain or re- create an arable mosaic</i>	8

Thank you for reading the first Future Farm monthly update newsletter, if you have any feedback or would like to see something in upcoming updates, please send your request to [futurefarmenquiries@harper-adams.ac.uk](mailto:futurefarmenquiries@harper-adams.ac.uk).

We apologise for anyone who made a suggestion for the newsletter and the content you requested was not included. We are doing our best to gather this information for future issues. In the meantime, if you or someone else would like to know more about the farm and our practices, check out our newly updated website <https://futurefarm.zone/>.