


AHDB Monitor Farm Labour & Machinery Reviews

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Angus Monitor Farm



Data Collection and Methodology

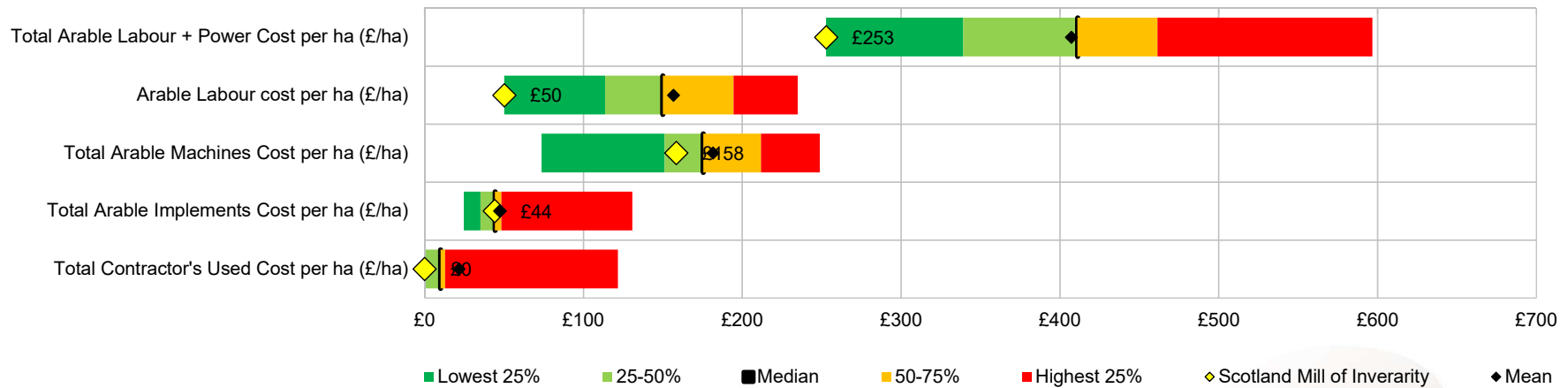
- General information including Arable **Cropping, Yields**
- **Non-Arable enterprises** – separated out by % time spent by labour and machinery
- Detailed **Labour** information – average cost per hour calculated inc. NI/Pension, Housing etc
- **Machines & Implements** inventory – hours, age, value, fuel, repairs, insurance, depreciation (straight line)
 - Create **machine cost in £ per hour** (based on annual hours)
 - Create **implement cost in £ per hectare** (based on annual hectares covered)
- Individual **Operations** to each block recorded

Crop / Block	Operation	Operation (Standard)	No. of passes	Machine	Implement	Area (ha) covered	Machine Cost (£ per hour)	Labour Cost (£ per hour)	Rate of operation (ha per hour)	Implement Cost (£ per ha)	Total Operation Cost (£ per ha)
W WHEAT PLOUGHED	Plough	Establishment	1	Case Magnum 230	Kverneland Plough 6 Furrow	78.12	£22.26	£9.09	0.80	£6.22	£45.40

Angus Monitor Farm



Total Arable Labour, Machines and Implements cost for Angus Monitor Farm



Farm Facts

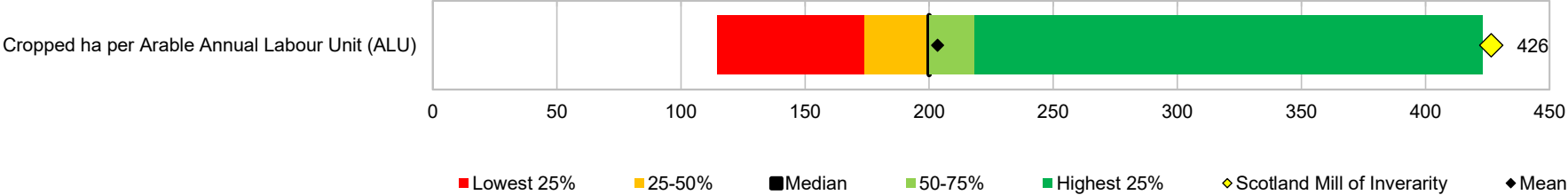
- 403 ha (995 ac) – Mill of Inverarity + Drowndubbs 369 ha, rented 34 ha
- Balrownie imperfectly drained Brown Forest Soil
- Cropping – WW, OSR, Barley, Potatoes (let); silage and turnips

Benchmarking: Results



Labour

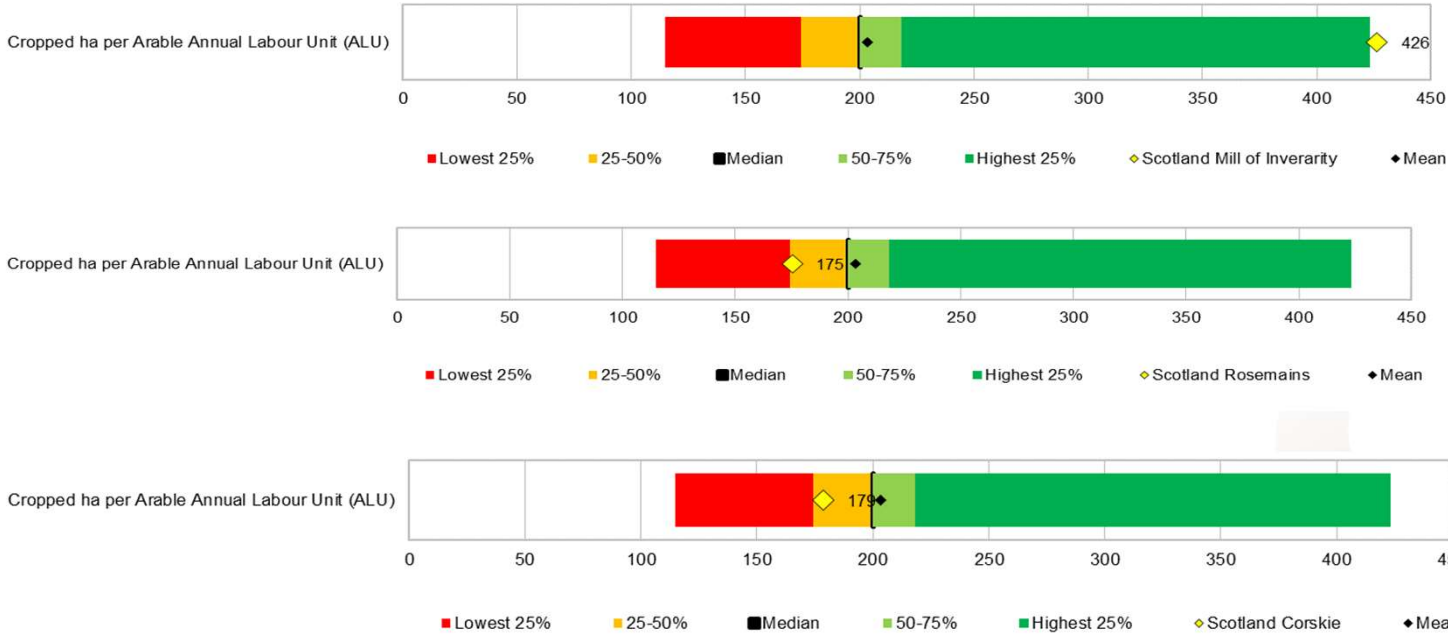
- Family Team of 4 for cattle, sheep and hens plus crops – 0.8 ALU



Benchmarking: Results



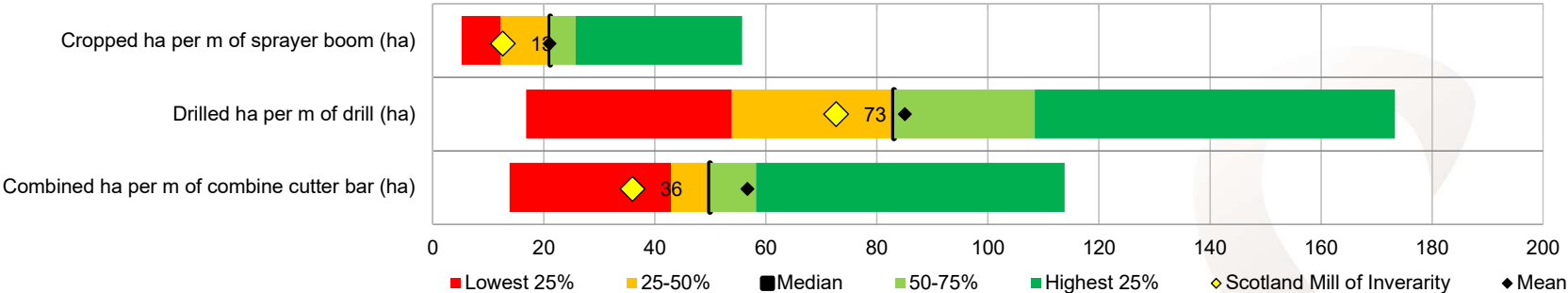
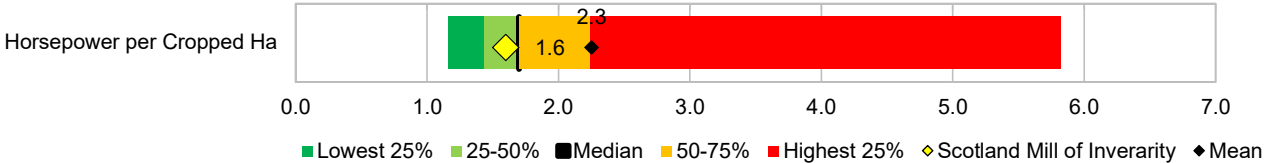
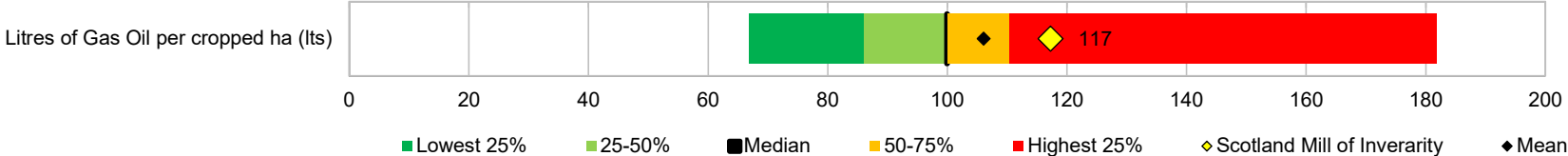
Labour - Comparison



Benchmarking: Results



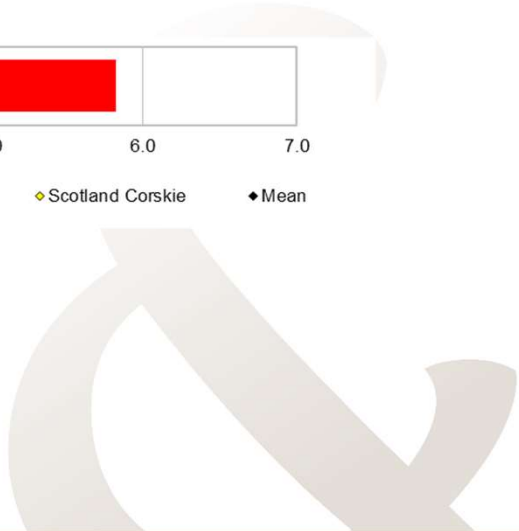
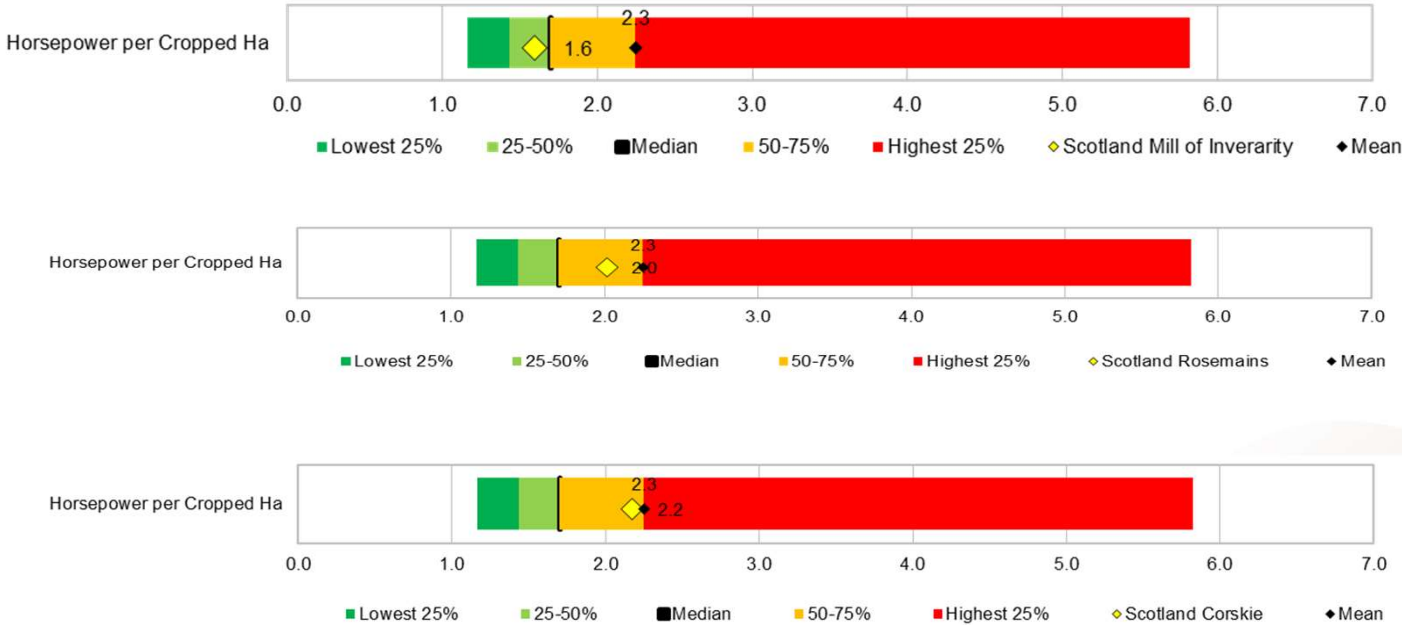
Machinery



Benchmarking: Results



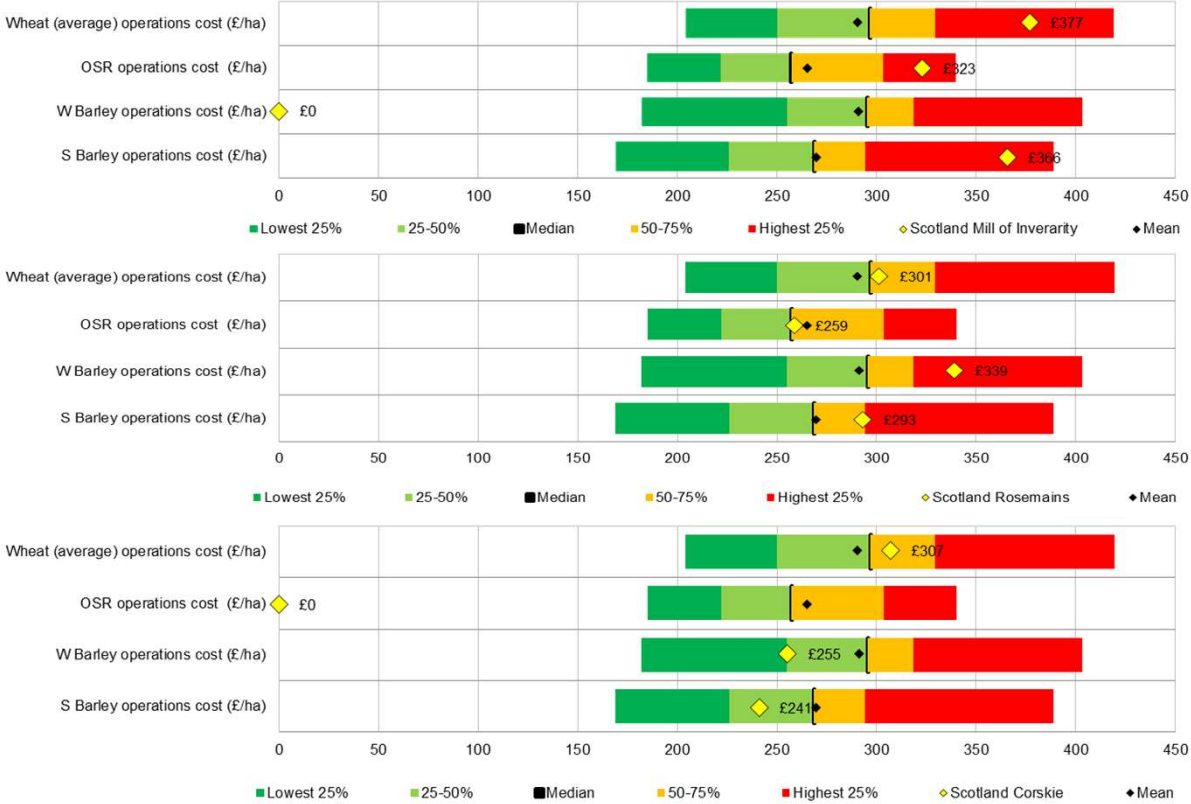
Comparison of horsepower per cropped ha



Benchmarking: Results



Machinery – Operations cost comparison



Benchmarking: Results



Analysis of Operation Costs

Table 1: Headline Operation Costs for Mill of Inverarity Farm, compared to Scottish Monitor Farm Average

Operation	Machine	Implement	Mill of Inverarity Cost £/ha	Moray £/ha	Lothians £/ha	Scottish M Farm Average Cost £/ha	Monitor Farm Average Cost £/ha
Drill	JD 6150 R	Lemken 1-pass drill	59	28	17	34.7	31.7
Ploughing	JD 6150 R	KV 5 furrow	57	47.1	48.9	51	57.2
Press	-	-	-	-	21	21	-
Cultivating	Included in 1-pass	-	-	-	23.4	23.4	29.5
Rolling	JD 6150 R	6m Cambridge Rollers	21	6.7	7	11.6	9.1
Spraying	JD 6830	Berthoud sprayer	10	6.8	3	6.6	6.1
Fertilising (soil)	JD 6150 R	Kuhn Spreader	5	3.4	11	6.5	4.5
Combining	Claas Tucano 460	-	58	91.4	97	82	66.3
Carting grain to store	JD 6830/ Hire Tractor	Heron Grain Trailer/ Fraser Grain Trailer	46	22	52.5	40.2	31.2

Benchmarking: Summary

Overall

- Efficient, well run unit, cost in the lowest 25%
- Ha per ALU are the highest in the group at 426 ha and labour cost per arable hectare is also low at £50 per ha
- Most operations costs per ha are higher than average – a smaller area to cover than most farms in the Group
- Combining costs are lower than average – the only Scottish farm to be below the mean



Benchmarking: Discussion




Recommendations



Thank you.

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