

Welcome to Hillington Park

- ICAR Conference 2017

Know your cows, know your business

NMR 

Agenda

- Tony Craven- NMR Group Operations Manager
- Paul O'Brien –NMR Group Quality Manager
- Ben Bartlett- Business Development Manager
- Andy Carr- Sales Director Foss- Britain and Ireland

National Milk Records Group

- **National Milk Records (DHI)**
- **National Milk Laboratories**
- **Independent Milk Laboratories (J.V. Ireland)**
- **National Livestock Records (Nordic Star tags)**

NMR plc Business

- 6703 Shareholders
- 9,700 Dairy Farms GB (3,900 record with NMR)
- 487,500 recorded cows
- Herd size- 277 Scotland, 183 England & Wales
- 305 day yield 8430Kg (9440 Kg natural) 2016
- Fat 4.06%, Prot 3.31% 2106
- Services: A (Assisted recording with milk recorder and /or sampler). B (DIY recording). C (alternating assisted recording and DIY). T (Factored where only one yield and or sample is taken at each recording). Non Authentic G4 and Essential Sampling (400 customers).
- Frequency : 3,4,6 and 8 weekly

NMR Sites- Laboratories



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Transport Sites/ Hubs



NMR sample box



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Farm to Collection Point



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NMR Van fleet- 19 vans 15 daily routes

1.85 million miles (2.97m km) per year



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Collection of payment samples for milk buyers



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Collection of NMR Samples



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Sample Collections

- Red pins – NML & NMR
- Blue pins NMR only
- Most collections daily, some weekly and some monthly
- 7.30pm transfer from Yeovil to Four Ashes



National Milk Laboratories



- Majority of testing takes place overnight (turnaround 1.9 days)
- NMR (DHI) sample testing- 20,000 per night
- GB Payment testing
- Spectral data- Energy Balance/ Fatty Acid profiles
- Disease testing- BVD, Johnes, IBR, Lepto, Neospora, Liver Fluke
- Pregnancy Testing
- Microbiology- mastitis I/D, Bacto Breakdown
- qPCR- Mastitis I/D and BVD

Four Ashes Site 2012



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Four Ashes Laboratory



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Equipment

15 Combifoss (500 per hour)
6 Bactoscan (150/100 per hour)
1 Combi 7, 2 on order



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Combi 7 Validation Testing



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Boxes and vials washed



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Preservative and capping



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NML Hillington

- Roughly one tenth the sample numbers of the Four Ashes Laboratory
- Presence in Scotland
- Contingency
- Payment, Milk Recording, Disease and Microbiology testing
- 3 Combifoss
- 2 Bactoscan
- GB Ear Tag BVD testing- up to 22,000/ month

Acknowledgements

- Alex Warriner AHDB
- ICAR
- Speakers
- Alan MacKinnon and Derek Connolly NML Hillington Managers
- Thank you for coming to see our Hillington Laboratory