

# New Technology for livestock— whats coming up?



*Leading the way in Agriculture and Rural Research, Education and Consulting*

# Precision Beef

- Silent Herdsman collar to detect eating and rumination behaviour
- Keenan feed wagon with in-built feed analysis of the ration
- Combined with animal weights this allows us to
  - Choose the most efficient breeding stock
  - Be warned if animal is ill



SRUC

GILDEN  
plotonics

Keenan

silent  
herdsman

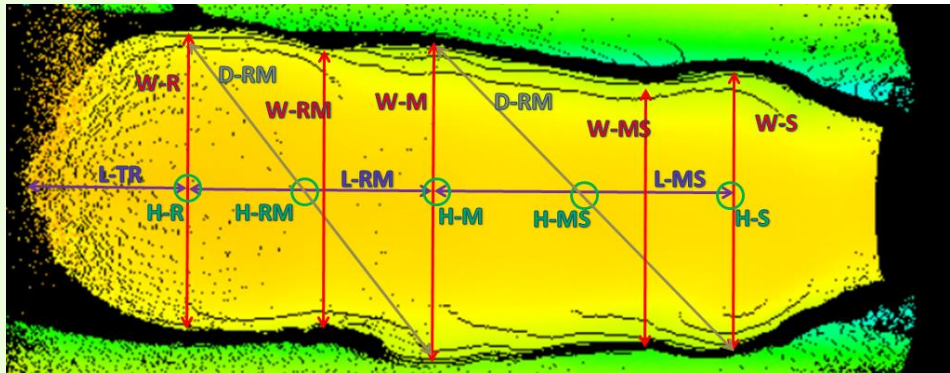
Harbro  
QUALITY LIVESTOCK NUTRITION

M  
MORRISONS

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bioscience for the future Technology Strategy Board

# Beef Monitor





# Geolocation in extensive systems

- **Known** losses due to **poor environment**
  - mortality, ill-health, predation
- On-farm **theft** an increasing issue
- Large “**unexplained**” or “black” loss
  - 2 year study in the scottish highlands (4 hill farms)
  - **18.6%** lambs lost to black loss



# Automatic dosing gun



**Drench Cattle**



**Drench Sheep**



**Administer Pour On**

It wirelessly connects directly to the Te Pari Weigh Scale or the Shearwell Stock Recorder using Wi-Fi, the precise dosage for each animal is calculated based on its weight and this is transmitted to the gun. The exact dosage, no more and no less, is ready to administer to the animal. It's a superbly ergonomic tool that is not only accurate, it is self-powered to reduce hand strain and it is really easy to use. Additionally there is an option of the gun with manual calibration - simply select the dose rates on its screen manually and use it as a powered applicator.



**Te Pari Weigh Head**

The animal is weighed using a Te Pari weigh head

*WiFi Link*



**Te Pari Automatic Drench Gun**

The correct dose is sent to the gun depending on the weight

**Does a slight dose variation really matter?**