The Networked Farm

What this farmer actually wants
What I have currently done

Hoggard Family Farming

The online hub of all our farm information

Welcome | Cowshed Operations | Farm Operations Manual | Resources | Compliance/Records | Control Panel

Search

Effluent Management

There are a number of steps involved in shifting the effluent and setting it up for a new run. The first step is shown in the video below, and that is disconnecting the spreader from the anchor post and drag hose at the end of its previous run, and getting it ready for towing to the start of its next run.

Shifting the spreader
My next steps

- Spread out from Cowshed – Pump shed next
- Remote Base Stations from there
- Stations to provide Wifi Hotspots, data collection, remote operation.
- Challenges – Power, Comms, computer code
Important Principles

- Cloud based
- Cell Phone is your screen
- Having Wifi access around the farm adds to functionality
- Base Stations allow for off the shelf additions
Where will the future take us?

UAV’s

Or ROV’s
Benefits of ROV’s – Pasture Reading

The DairyNZ modelling team (see Beukes et al 2015) found that a $290/ha benefit to operating profit (at a $5/kg MS milk price) between good (85% accurate assessment of pre-grazing mass), and poor (little assessment) feed management.
Integrated Farm Dashboard

Matai Awa (267.75 ha)
Happy to be a Guinea Pig – ajhoggard@inspire.net.nz
Questions ?