

Our Journey

Kate and Pete's Farm



A bit about our farm

- 106 ha irrigated milking area
- 55 ha irrigated young and fodder block
- 320 spring calving cows
- 525 kg MS/cow
- 65% home grown feed
- 1.2t concentrate /cow
- 1000's of trees & shrubs planted for landscape health & shade



Newry Regen Trial established in 2019

“Conventional”

vs

“Regenerative”

Paired bay demonstration
with 3 replicates,
on newly laser graded area







“Conventional” vs “Regenerative”

“Conventional”

– mono-culture, urea, super, potash

“Regenerative”

– multi species, seed coating, fungi friendly

What is measured?

- Pasture harvested at each grazing
- Quality – energy, protein, fiber
- Tissue tests – nitrates, micro nutrients
- Brix – sugar content
- Annual soil testing to 60cm
- Soil health indicators – infiltration, texture
- Soil moisture probes to 60cm



What did we learn from the trial?

- Total feed produced
- Fiber
- Crude Protein
- Energy

We can produce milk off multispecies
crops and pastures



Confidence!



Stopped

- Cultivating
- Fungicide
- Pesticide
- Granular Nitrogen
- Superphosphate
- MOP
- Bare ground
- Short plant recovery time



Started

- Multi species
- Top up vs resow
- Microbes on seed
- Microbe friendly minerals
- Address macro and micro's
- Managing for total ground cover



What has been the whole farm impact?

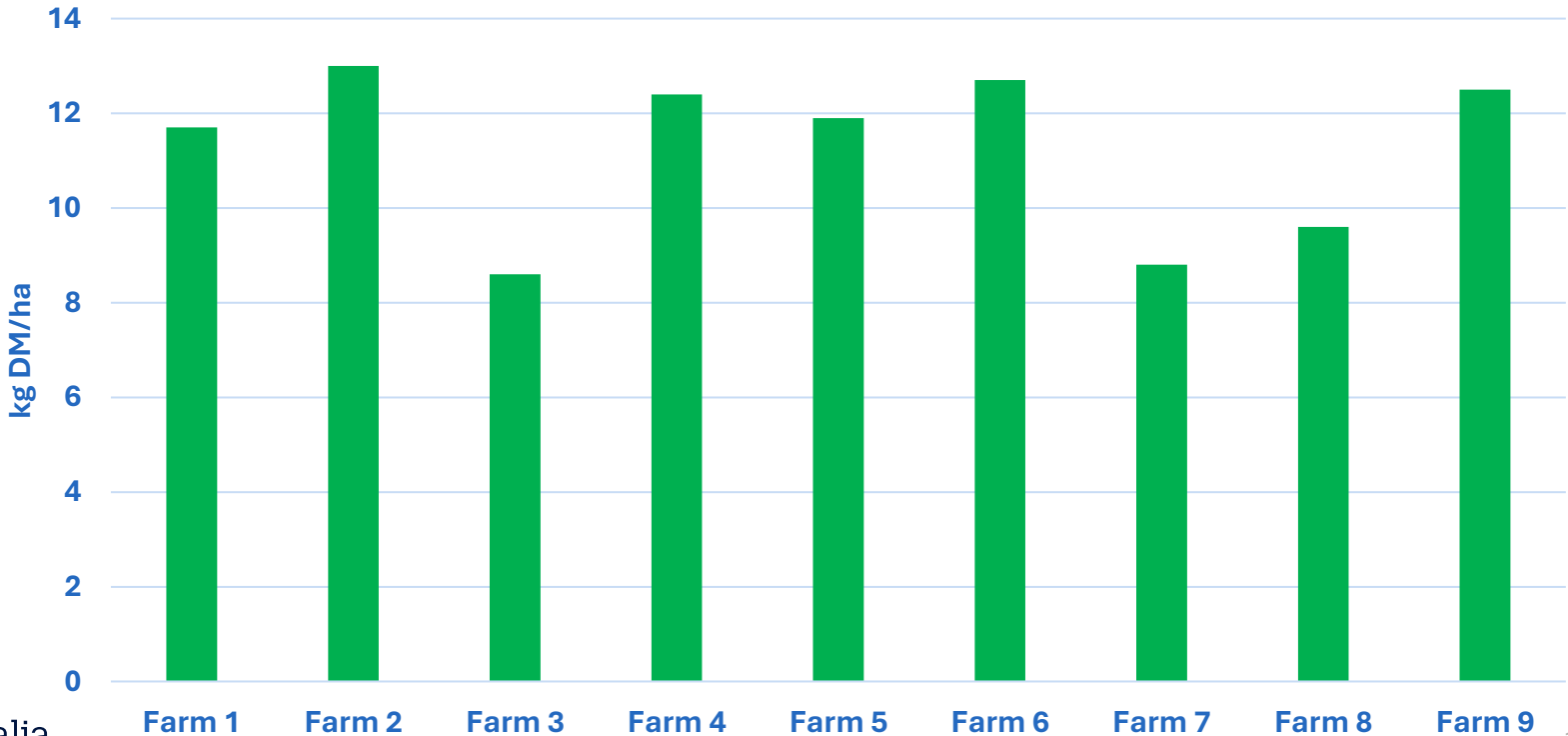
How did we go compared to dairy farms in Macalister?

- pasture consumption?
- Nitrogen fertiliser applied?
- more or less spent in total on fertiliser?
- Kg N/ t DM pasture consumed



How do we compare to Macalister dairy farms?

Pasture Consumption t DM per ha



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Pasture Consumption t DM per ha



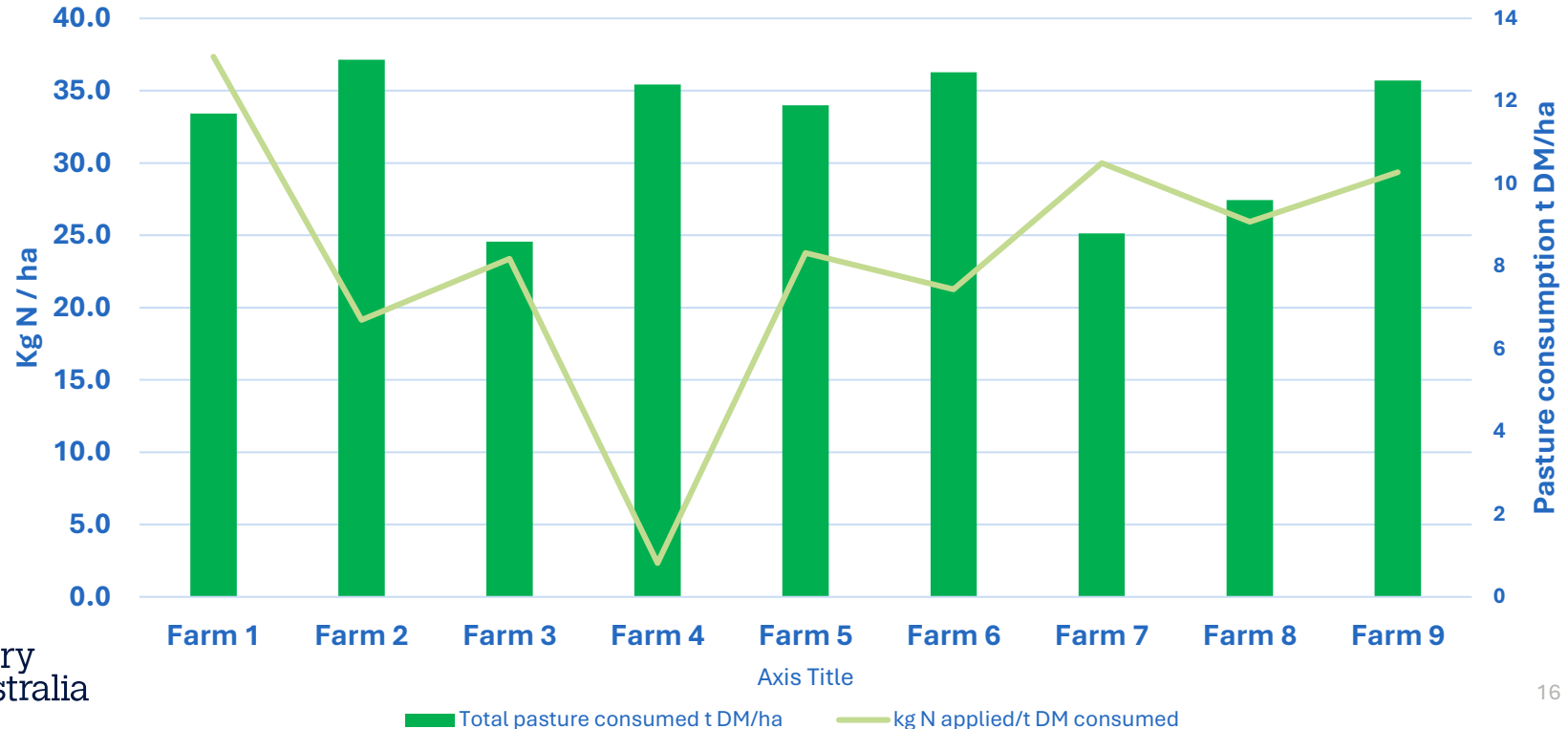
How do we compare to Macalister dairy farms?

Pasture Consumption and Nitrogen use



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Pasture Consumption and Nitrogen use



How do we compare to Macalister dairy farms?

Pasture consumption and \$/ha Fertiliser spent



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Pasture consumption and \$/ha Fertiliser spent



How do we compare to Macalister dairy farms?

Kg N applied per t DM consumed



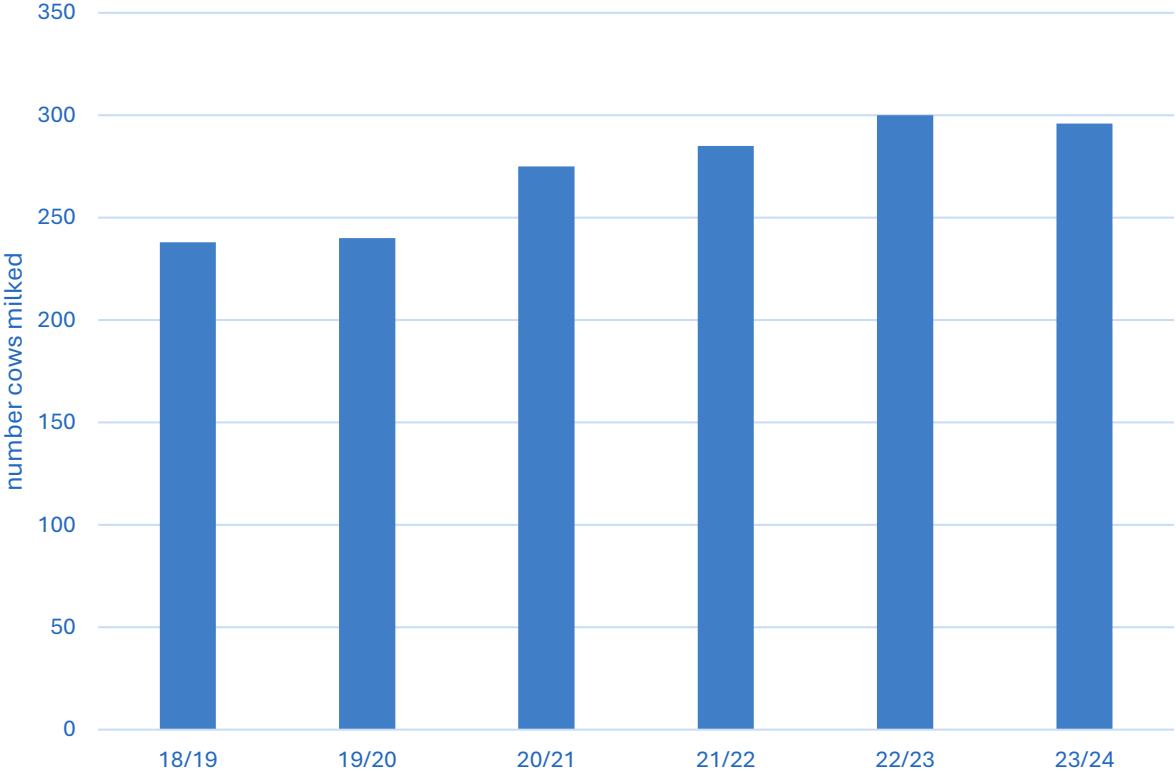
Our farm over the last six years as we transitioned

Did we

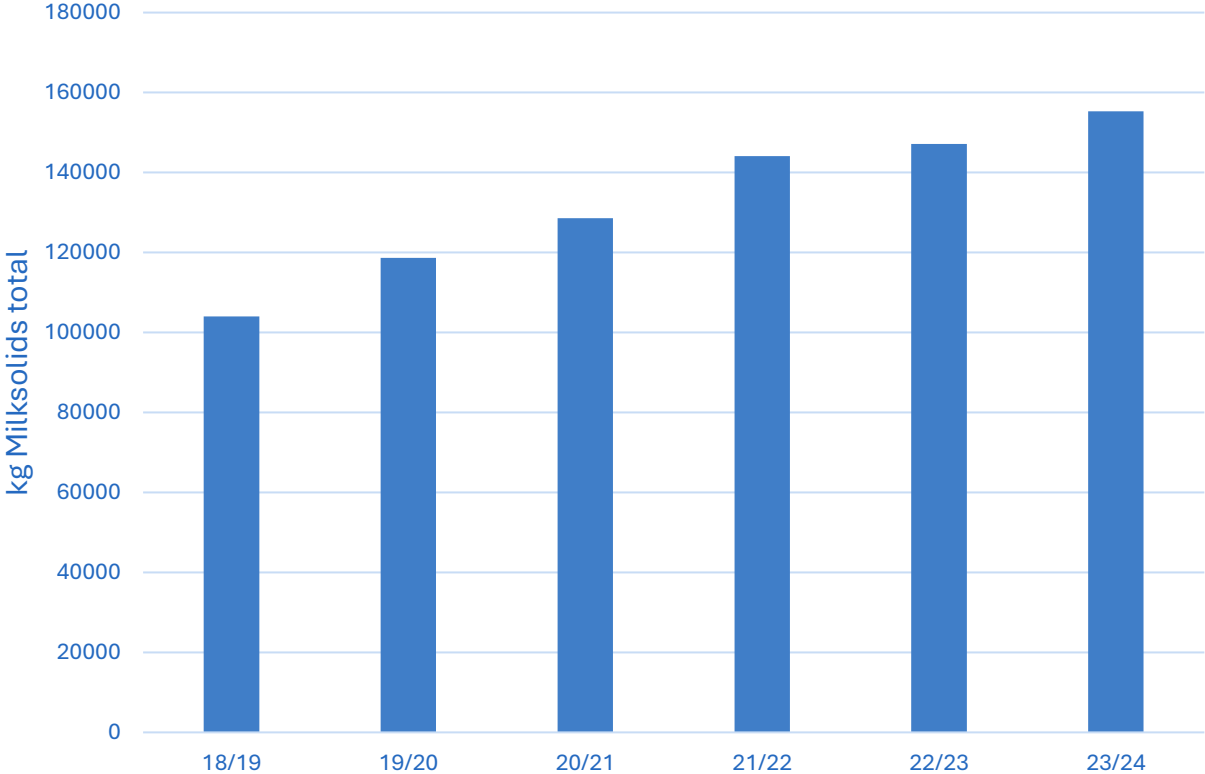
- Crash pasture ?
- Crash milk production?
- Make a profit?
- Reduce Nitrogen fertilizer applied?



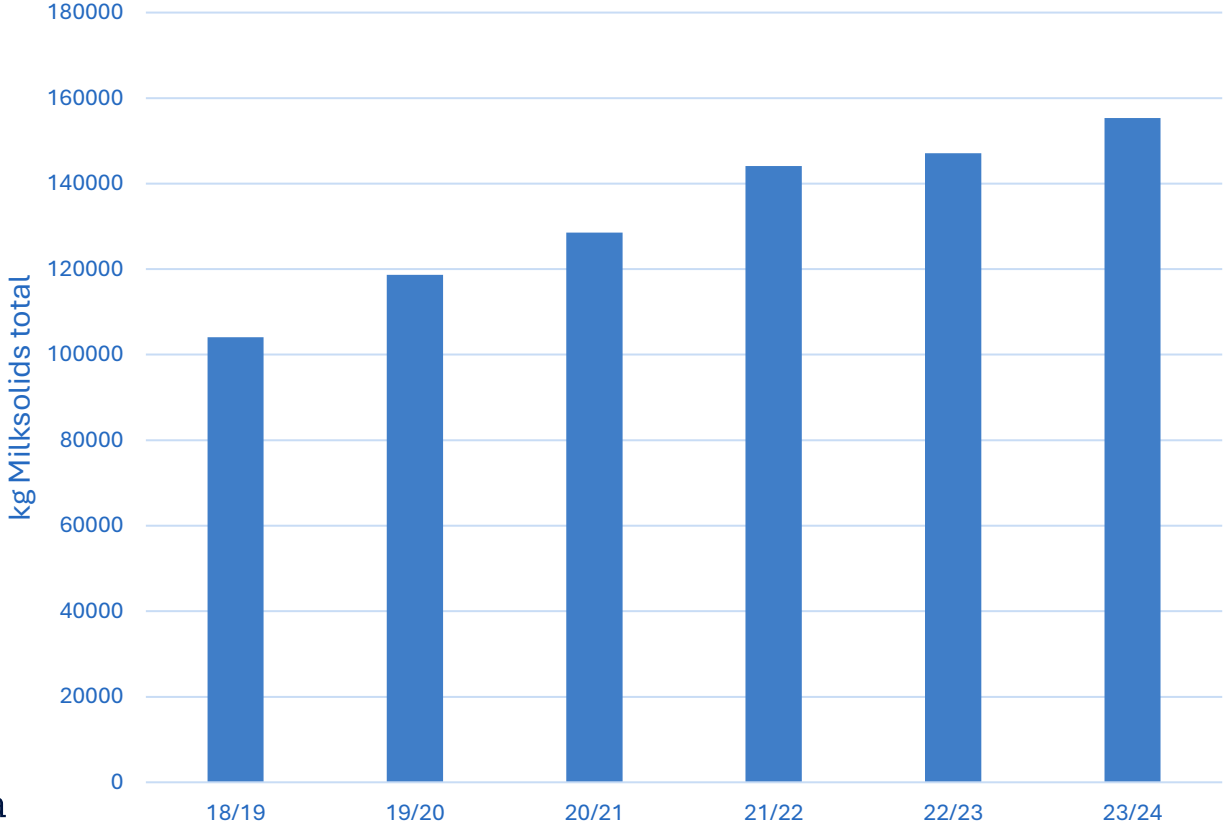
Our farm – number of cows milked



Our farm milk solids total

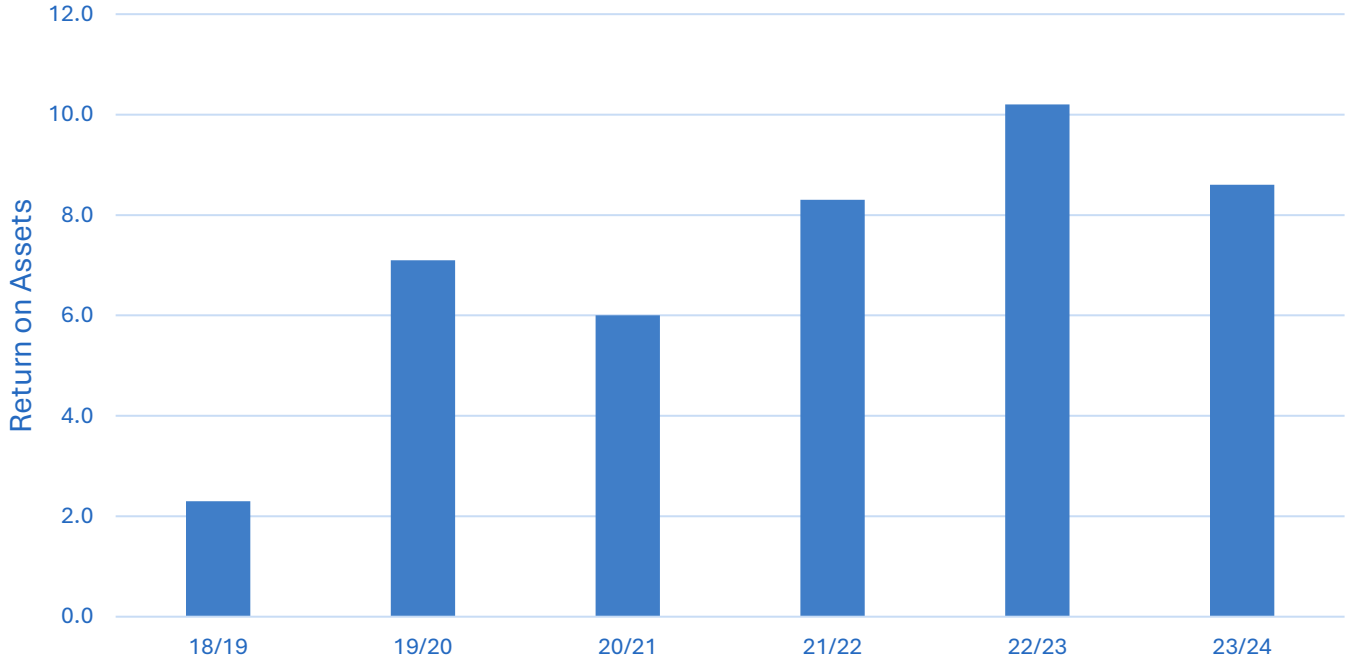


Our farm milk solids total



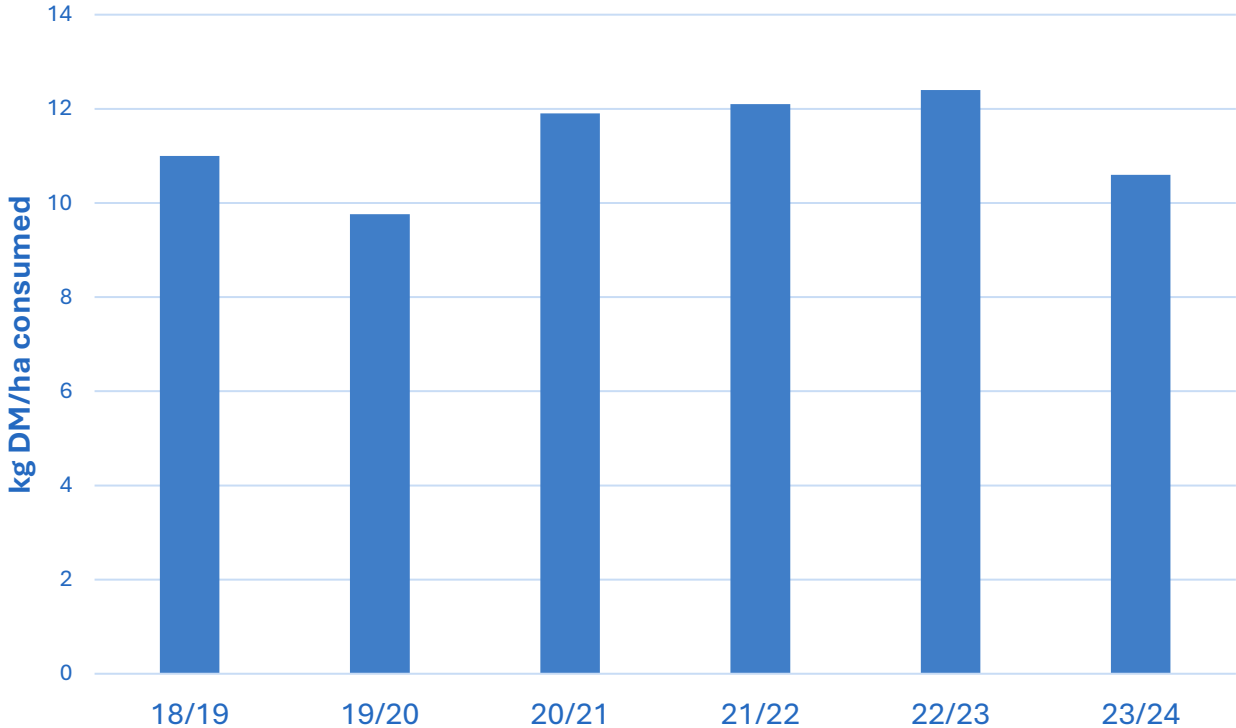
Our farm return on assets for the last 6 years

*23/24 purchased 60 ha irrigated block for young stock



Our farm t DM/ha consumed

*23/24 season October '23 flood 1/3 farm impacted, no silage cut, pasture damage



Our farm –reducing N, adding fulvic acid, swapping to foliar

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