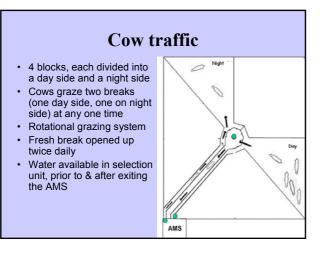
# Automatic milking for pasture based farming systems

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# 'The Greenfield Project' (Dexcel) Hamilton, NZ

- 180 cows
- 46 ha of pasture
- 2 AMU (~90 cows/AMU)
- ~ 1.2 milkings/cow/day
- $\bullet$  Concentrates 50% of the herd get 1 kg/day and 50% of the herd get none







# The Big Questions

- Can Automatic Milking work in a grazing system?
- Is Automatic Milking a feasible option in a grazing system?

#### Economic Feasibility depends on: (Lightfoot and Mulvaney 2002)

- Capital cost (also lifespan/salvage value)
- Milk price
- Labour cost
- Labour savings
- Milk production per cow
- · Pasture consumption per ha
- AMU efficiency

#### Research issues for AMS in Australia

- Pasture consumption
- AMU efficiency
- Labour efficiency

### Conclusions

• Automatic milking can work in high and low input grazing systems

· Feasibility will depend on a number of factors

· Automatic milking has great potential to meet the needs of some farmers

### Acknowledgements

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