



Industry milk harvesting issues

- Ensuring that farm milk supplies meet customer requirements
- Reducing the cost of milk harvesting per litre of milk
- Promoting changes to make milking a more socially-attractive occupation

Milk Quality and Harvesting Prospectus (Feb 2001)

CowTime

CowTime
Guidelines
for milk harvesting

making milking easier

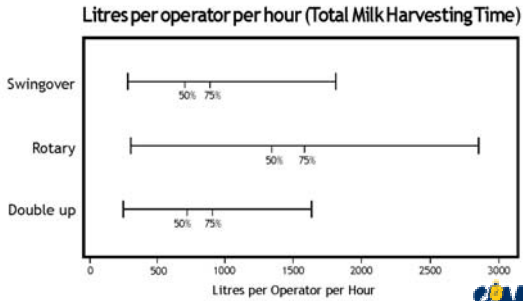
What is milk harvesting?

the elements and processes of milk harvesting...

Paddock to Yard
Dairy Entry
In the Dairy
Cleaning Up

cows people facilities

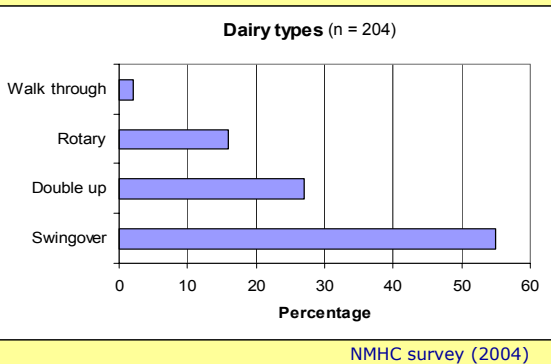
Total Milk Harvesting Time



Productivity (cups on cups off)



Australian dairy types



Utilisation of labour

If equipment is not limiting ...

determined by:

⇒ WRT (secs/cow)

⇒ Number of Operators



Work Routine Time

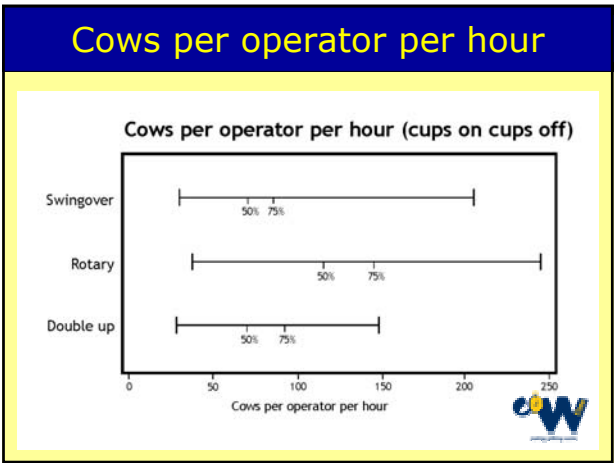
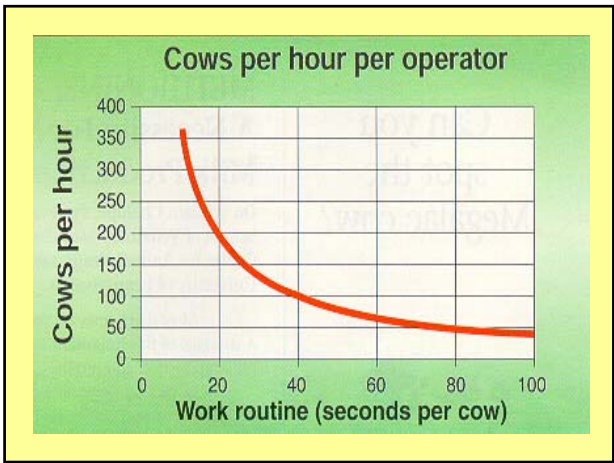
Task

cow entry
 feeding
 teat preparation
 cluster attachment
 cluster removal
 teat disinfection
 cow exit
 miscellaneous

Work Routine Time

Task Time (s)

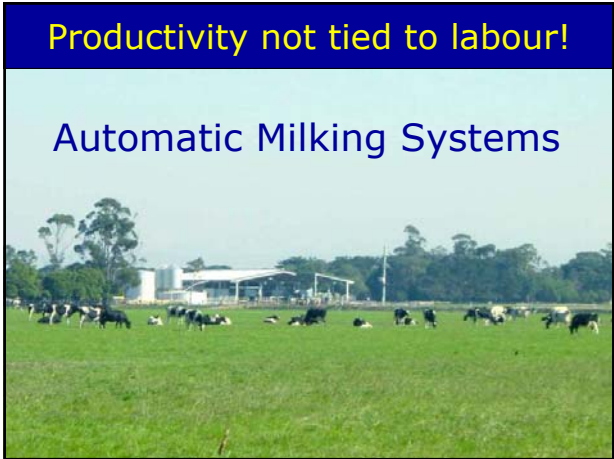
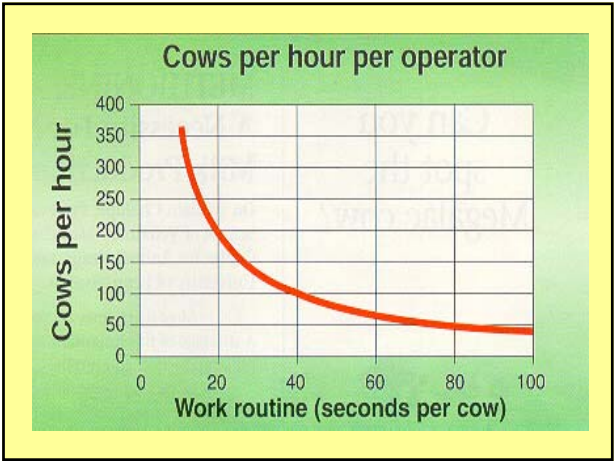
cow entry	4
feeding	1
teat preparation	3
cluster attachment	10
cluster removal	4
teat disinfection	3
cow exit	2
miscellaneous	3
Total	30



Work Routine Time - Rotary

Cups on tasks	Time (s)
cow entry/feeding	0
teat preparation	3
cluster attachment	8
miscellaneous	1
Total	12

Cups off tasks	Time (s)
cluster removal	4
teat disinfection	3
cow exit	0
miscellaneous	1
Total	8

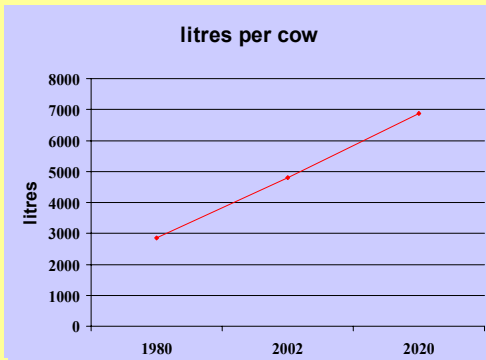


Utilisation of equipment

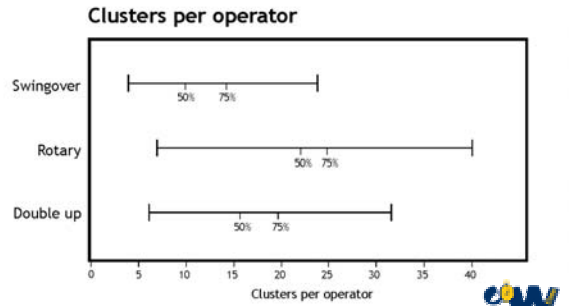
If labour is not limiting ...
determined by:

- ⇒ Milking Time (yield)
- ⇒ Idle Time (dairy type)

Increase in yield in Aust



Clusters per operator



Productivity improvement

How many clusters per milker?

- 1976 8 clusters in a swingover
10 in a double up
- 2001 18+ in a swingover
32-40 in double ups
- 2025 ?????

It is not how big it is.....



18-22 cluster S/O (1 operator)



50 stand rotary (1-2 operators)

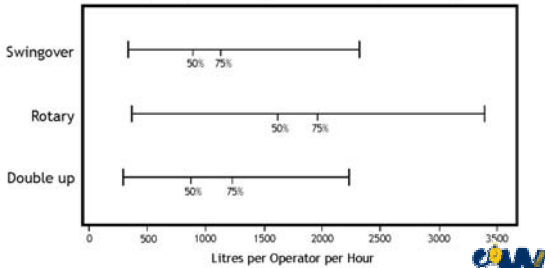


15-16 aside Double-up (1 op.)



Litres per operator per hour

Litres per operator per hour (cups on cups off)



CowTime Shed Shake-up (May 2004)



www.milkharvesting.com.au

An industry partnership to...
...drive sustainable improvements in labour and capital use in milk harvesting.

