

MILKING SMARTER

Implementing MaxT

Rotary



MaxT is the most efficient strategy for milking and makes the milking routine uncomplicated and enjoyable. This guide explains the basics of implementing a maximum milking time (MaxT) in a rotary. Cows are milked to a predetermined time based on their milk volume, resulting in less time in the dairy for staff and cows.

1

CALCULATE

- To calculate your MaxT time, download DairyNZ's Milksmart app, or visit dairynz.co.nz/maxt-rotary
- It's usually simplest to select the time for your **morning milking** and use this at all milkings.



Total bails	Bails from cups on to cups off ^A
e.g. 54	e.g. 48

Rotary speed setting	Bail speed (secs per bail) ^B	Milking time (cups on to cups off)
e.g. 30	e.g. 10	e.g. $A \times B \div 60 = 8\text{min}$

2

IMPLEMENT

- On the platform control console, make a list of the minutes it takes for a bail to get from cups on to cups off at a range of platform speed settings.
- Set the platform speed for the MaxT time and always stand next to the bridge.
- Cup removal – depending on your rotary, choose one of these methods (both methods still require the platform speed to be set to the MaxT time):
 - Person at cups-off removes all clusters so every cow exits after one rotation, or
 - Set a maximum milking time or use the 'point take-off' function of your automatic cup removers (ACRs) to remove clusters one bail before the teat sprayer.

NOTE:
If part of the herd is milked once a day, put these cows in one herd and allow them additional time.

NOTE:
Adjusting the platform speed, or not standing next to the bridge, changes the time cows have to milk before the exit.



3

MONITOR

- Monitor and reassess your MaxT time weekly by monitoring five groups of 10 cows to MaxT time at an afternoon milking.
- Stand at cups off and assess the cows as the cups come off.

Reduce milking time
If fewer than two cows are milking in most groups at the **last bail**.

Increase milking time
If more than two cows (20%) are milking in most groups at the **last bail**.

No change to milking time
If only two cows are milking in most groups at the **last bail**.

LEARN MORE

MORE ABOUT MAXT
 dairynz.co.nz/maxt-rotary

DAIRYNZ'S MILKSMART APP
 dairynz.co.nz/milking-app

MILKING RESOURCES
 dairynz.co.nz/milking

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