

# BIOAKTIV Far East

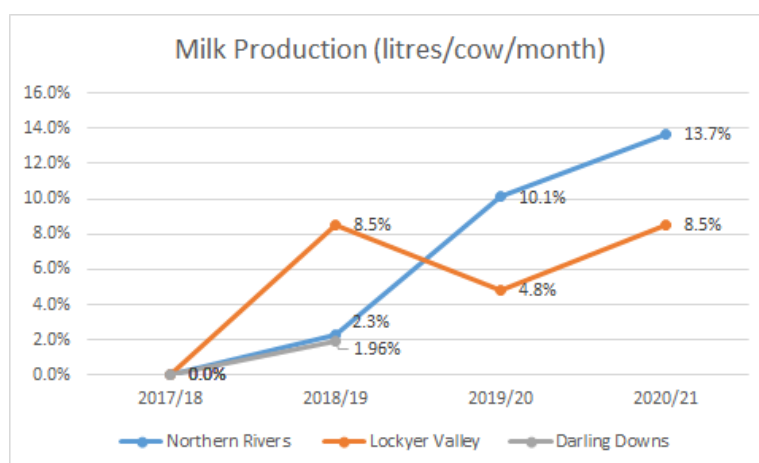
## Australia: BioAktiv 3-Year Commercial Dairy Trial



BioGreen Solutions Australia, the BioAktiv distributor Down Under, reported on its three-year commercial trial on the use of BioAktiv Animal Feed Cattle on milk production which ended in March 2021. The trial was done in three dairy farms with different feed management systems and geographical locations as follows.

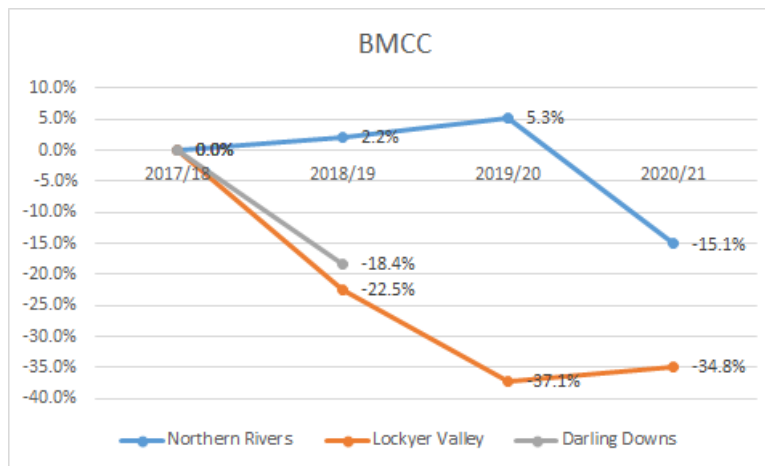
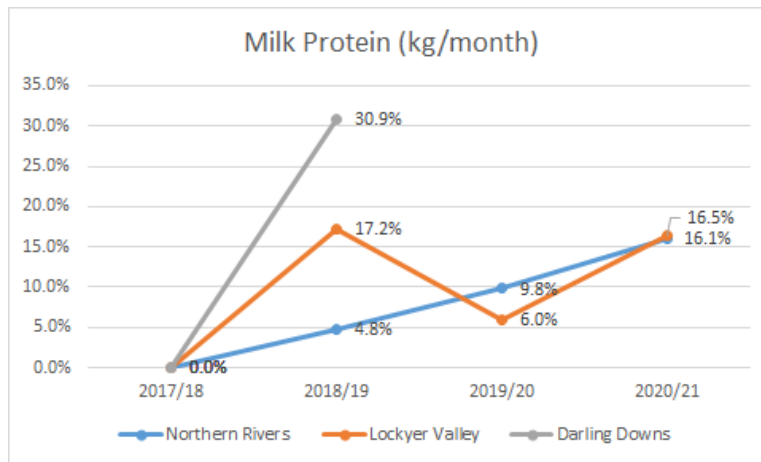
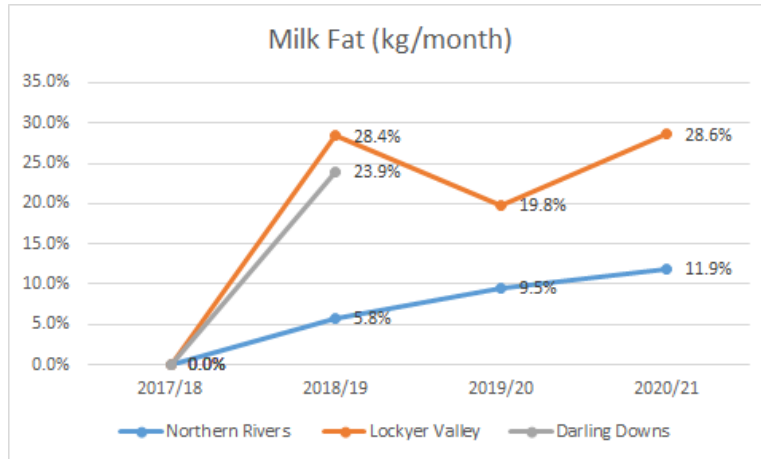
Location	Feed System	Trial Period	Duration
Northern Rivers, New South Wales	PMR <sup>1</sup>	April 2018 to March 2021	3 years
Lockyer Valley, Queensland	PMR/TMR	March 2018 to February 2021	3 years
Darling Downs, Queensland	TMR	April to July 2018	4 months

The dosage of BioAktiv used was 2 g per cow per day. The 2017/18 calendar year just before the application of BioAktiv served as the base. BioGreen compared the averages of milk production, milk fat, milk protein and bulk milk cell count (BMCC)<sup>2</sup> during the trial period with those in the corresponding period in the 2017/18 year. The charts below show the percentages increased or decreased of these yearly averages or four-month average for Darling Downs farm over those in 2017/18.



<sup>1</sup> A partial mixed ration (PMR) is a total mixed ration (TMR) fed to dairy cows in between bouts of grazing which therefore makes up only part of the cows' diet. This is opposed to a TMR, which provides 100% of the diet.

<sup>2</sup> Refer to the original report for charts for monthly average BMCC.



Despite of the unseasonably dry weather after March 2018 that persisted until January-February 2020, which had caused the lack of feed and reduction in cow numbers, the use of BioAktiv still consistently achieved positive results. The farms produced more milk, milk fat and milk protein and the BMCC reduced after using BioAktiv.

Based on the following farm-gate prices (in Australian dollars): milk fat at \$1.65/kg, milk protein at \$3.65/kg and milk at \$0.71/litre and the cost of BioAktiv per cow per day at \$0.07 (retail price), the financial return for using BioAktiv for the three farms are as follows:

<b>Parameter</b>	<b>Northern Rivers</b>	<b>Lockyer Valley</b>	<b>Darling Downs</b>
BioAktiv cost per cow per day	\$0.07	\$0.07	\$0.07
Average cost for herd per day	\$16.69	\$21.85	\$39.03
Return on herd per day	\$611.69	\$615.02	\$320.85
Average return per cow per day	\$2.57	\$1.99	\$0.58

The dairy farmer from Darling Downs informed BioGreen that the reason for the drop in milk fat produced from 4.08% in June to 3.53% in July 2018, a drop of 55%, was due to their putting the herd onto young rye grass, day and night, in July. As the trial was only four months long, the bad results in July had adversely affected their financial return for using BioAktiv.

[\[Original report\]](#)