

BioAktiv Animal Feed, Cattle (calcium carbonate)  
3 Year Commercial Dairy Trial

Northern Rivers, New South Wales (PMR)  
Lockyer Valley, Queensland (PMR/TMR)  
Darling Downs, Queensland (TMR)

Subtropical Dairy Region  
Dairy Australia



## Introduction:

The following results are conducted with the use of BioAktiv Animal Feed, Cattle, calcium carbonate, on selected commercial dairy farms. The participating dairies that have supplied recorded data, are from diverse geographical location, taking in consideration, various breeds, seasonal influences, feed rations and management systems which cover PMR, PMR/TMR and TMR operations. The data compiled is 35/36 months of commercial results.

BioAktiv a German company produce products that are naturally refined to improve biological health in animal performance and environmental management. It is not used as a nutritional supplement, but as a microbial stimulant within the gut, providing response similar to biological prebiotics. Results have shown regulating the gastric cells to improve animal health and performances (i.e., better feed conversion, reducing morbidity, mortality and maintenance of animal health).

Dosage is 2 grams per cow per day.

BioAktiv successful results and usage in agricultural operations throughout Europe extends over 27 years, with export to 32 different countries worldwide. Other published trail data includes the improvement of environmental emissions, odour, waste management, plant and soil health.

BioAktiv's products are Organic, QA, GMP certified and are GHS, REACH, APVMA compliance. All products, safe to handle with a use by date of 4 years.

The graphs presented are from monthly data supplied by the participants. The 33/34 months of results provided use their data from the 2017/18 season as a base. The aim is to determine the commercial variability with the use of BioAktiv, relative to various feed management system, breed, geography, seasonal conditions and milk production (i.e. litres, milk solids and somatic cell count)

It should be noted, compared to pre-trial period to March 2018, unseasonably dry weather, leading to lack of feed that had been persistent up till January / February 2020. This is reflective in the results supplied. Of interest, despite the persistent drought, hot weather and reduction in cow numbers, positive results were consistently achieved.

Note: further university reports and trials can be viewed for cattle, pigs, poultry plants, odour and emissions can be viewed at the following link on the 'REFERENCES' page (as well as BioAktiv users testimonials) - <https://www.biogreensolutions.com.au/references-3/>

Bernard Wallace

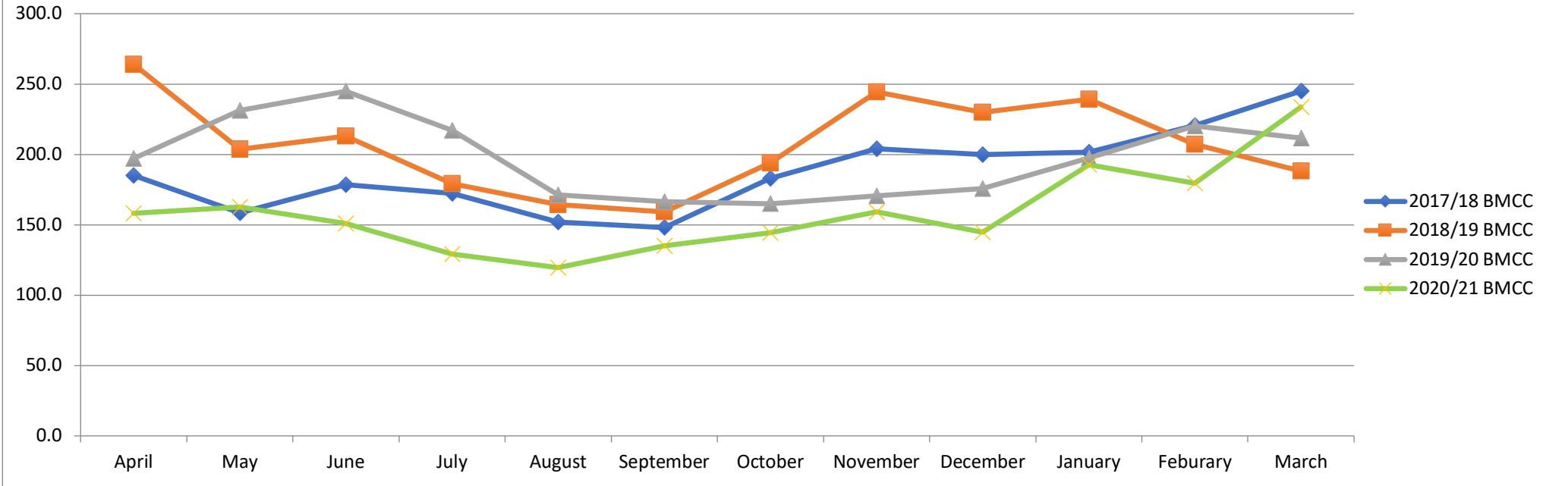
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**PMR - 36 mth ave. BMCC / month (x 1000ml) YTD  
Northern Rivers, NSW (APRIL - MARCH)**



**BA cost per cow - DAILY**      **\$0.070**    *\* note this is the retail price*

Cost for herd per day                      \$16.69

Return on herd per day                      \$611.69

**Ave. Return per cow / day**                      \$2.57 *daily*

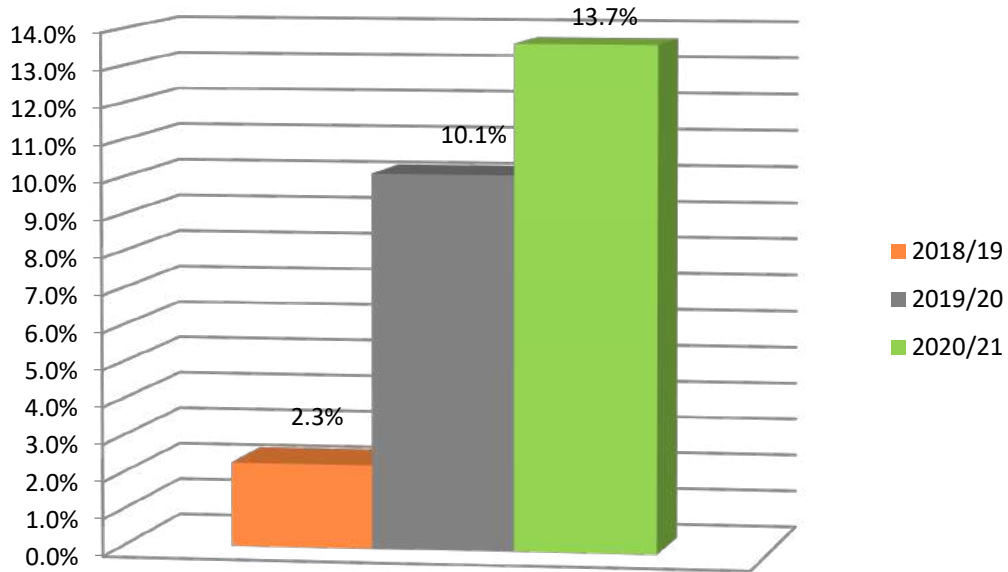
**Pricing from Milk Company**

**Milkfat price**                                      **\$1.65**

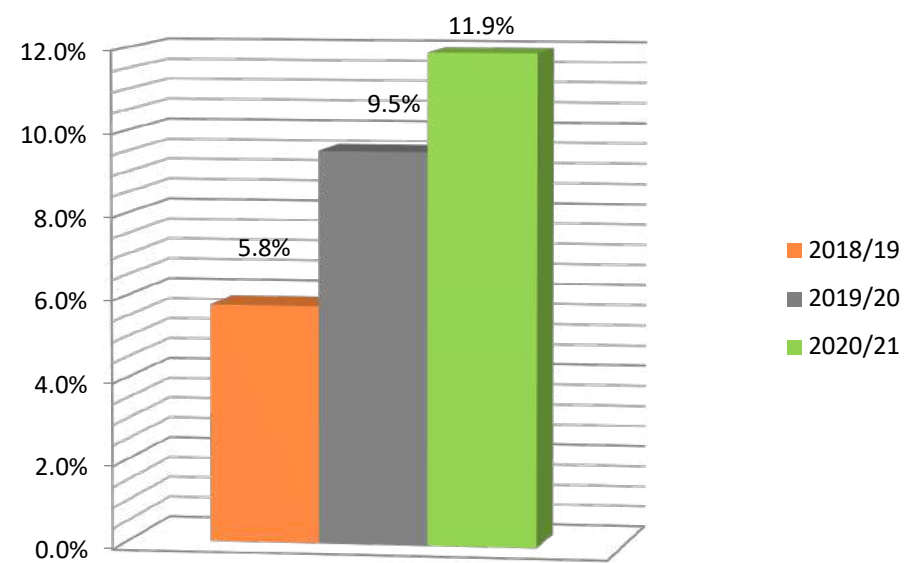
**Protein Price**                                      **\$3.65**

**Ave. price per LITRE of milk**                      **\$0.71**

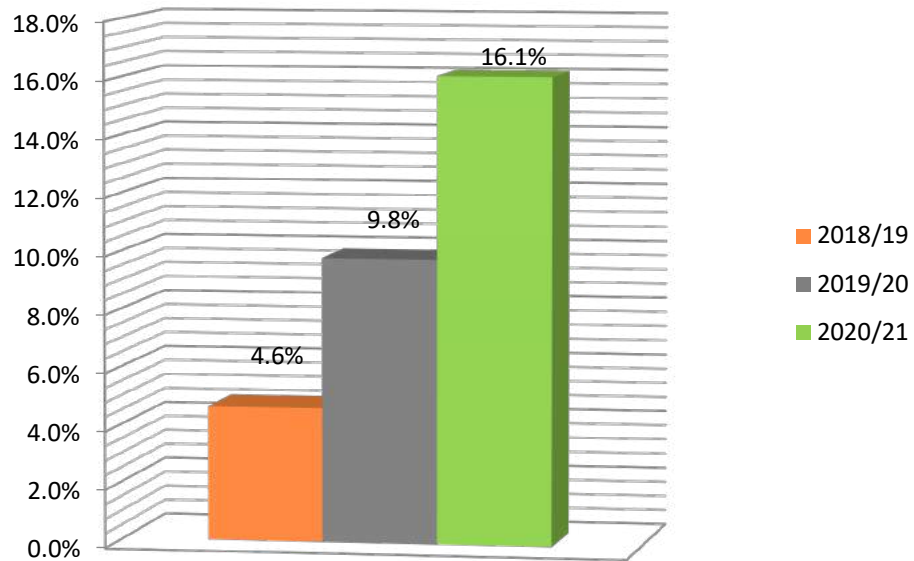
**PMR - 36 mth ave. Litres / Cow / month (lt %) YTD  
Northern Rivers, NSW (APRIL - MARCH)**



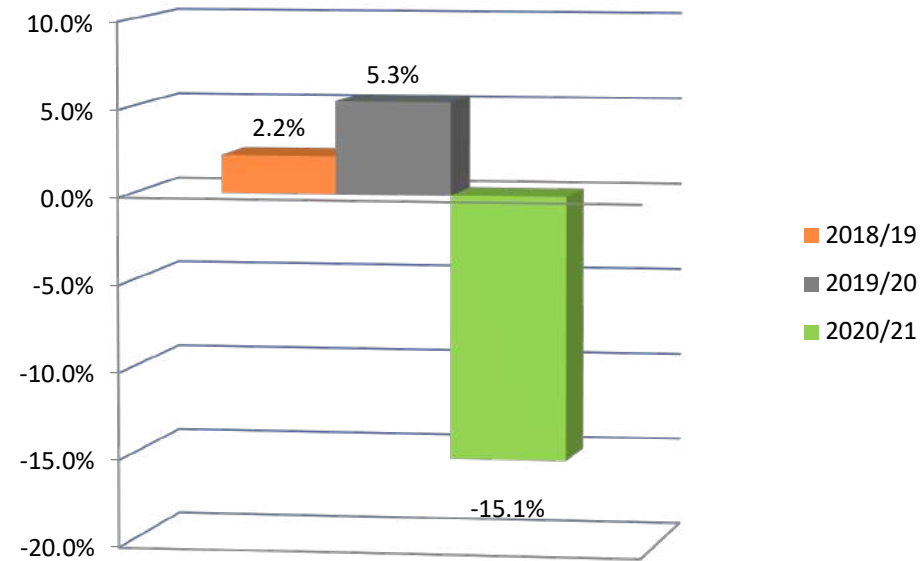
**PMR - 36 mth ave. Milk Fat / month (kgs %) YTD  
Northern Rivers, NSW (APRIL - MARCH)**



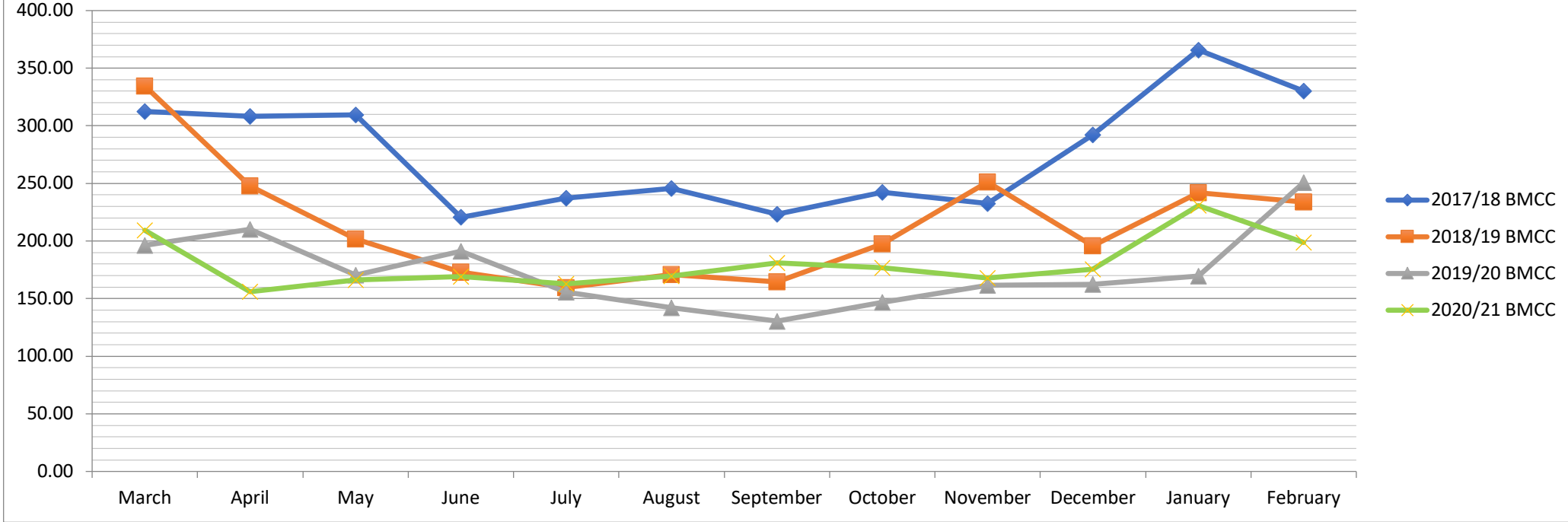
**PMR - 36 mth ave. Milk Protein / month (kgs %) YTD  
Northern Rivers, NSW (APRIL - MARCH)**



**PMR - 36 mth ave. BMCC (+/- %) YTD  
Northern Rivers, NSW (APRIL - MARCH)**



**PMR/TMR - 3 year ave. BMCC (m/v %) / month  
Lockyer Valley (MARCH - FEBRUARY)**

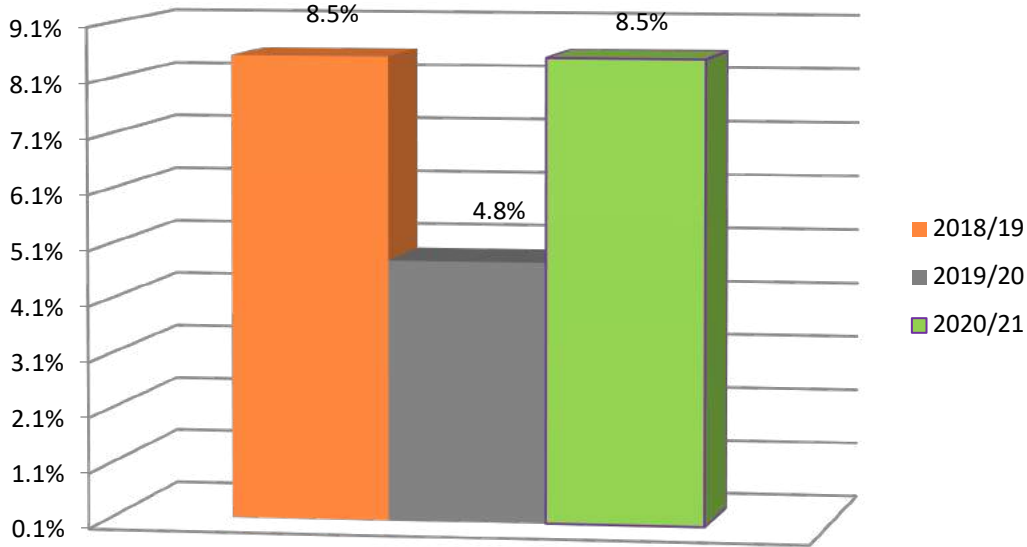


<b>BA cost per cow - DAILY</b>	<b>\$0.070</b>	<i>* note this is the retail price</i>
Ave cost for herd per day	\$21.85	
Return on herd per day	\$615.02	
<b>Ave. Return per cow</b>	<b>\$1.99</b>	<i>daily</i>

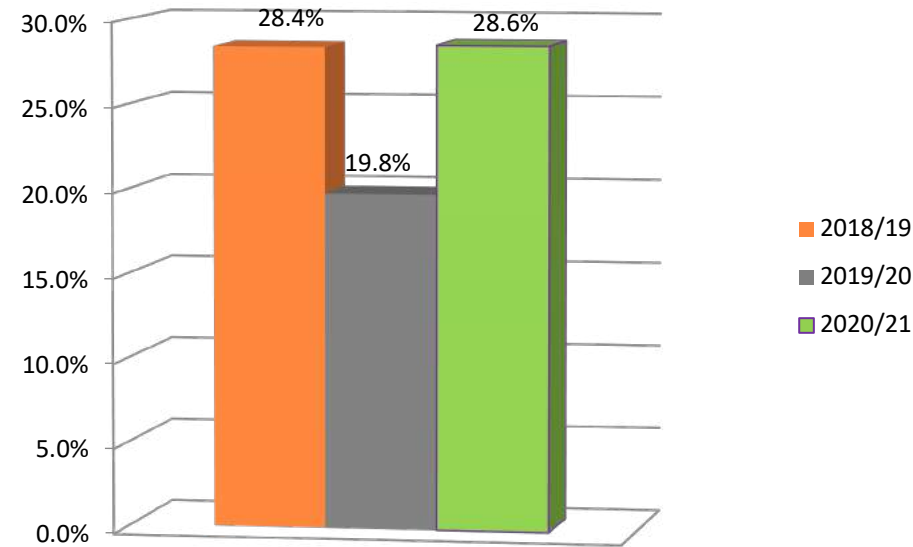
**Pricing from Milk Company**

<b>Milkfat price</b>	<b>\$1.65</b>
<b>Protein Price</b>	<b>\$3.65</b>
<b>Ave. price per LITRE of milk</b>	<b>\$0.71</b>

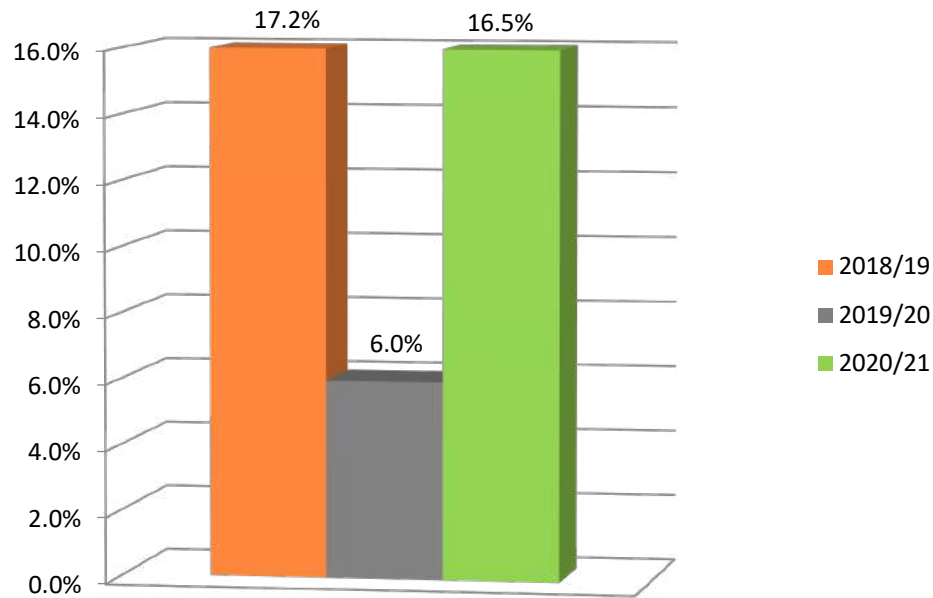
**PMR/TMR - 3 year ave. Litres / Cow / month (%)**  
**Lockyer Valley, QLD (MARCH - FEBRUARY)**



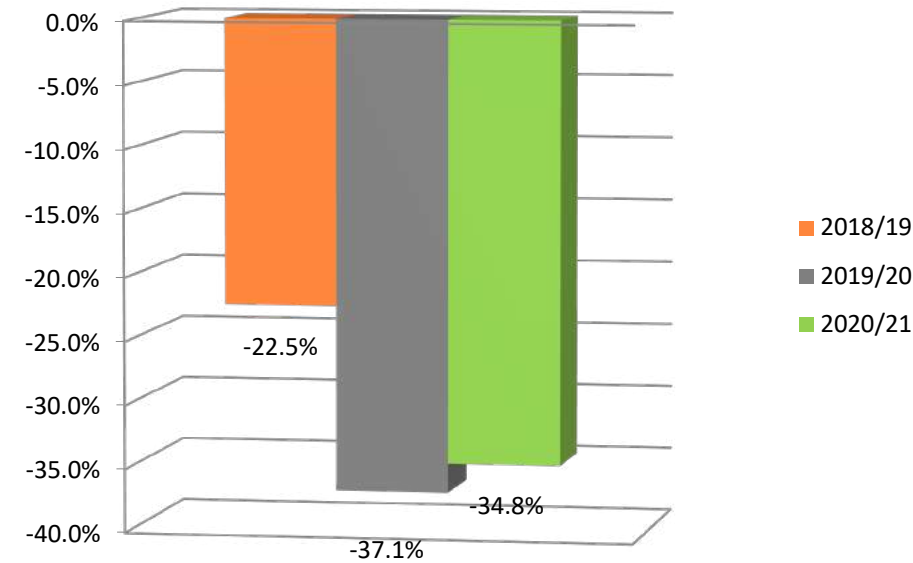
**PMR/TMR - 3 year ave. Milk Fat (kgs %)**  
**Lockyer Valley, QLD (MARCH - FEBRUARY)**



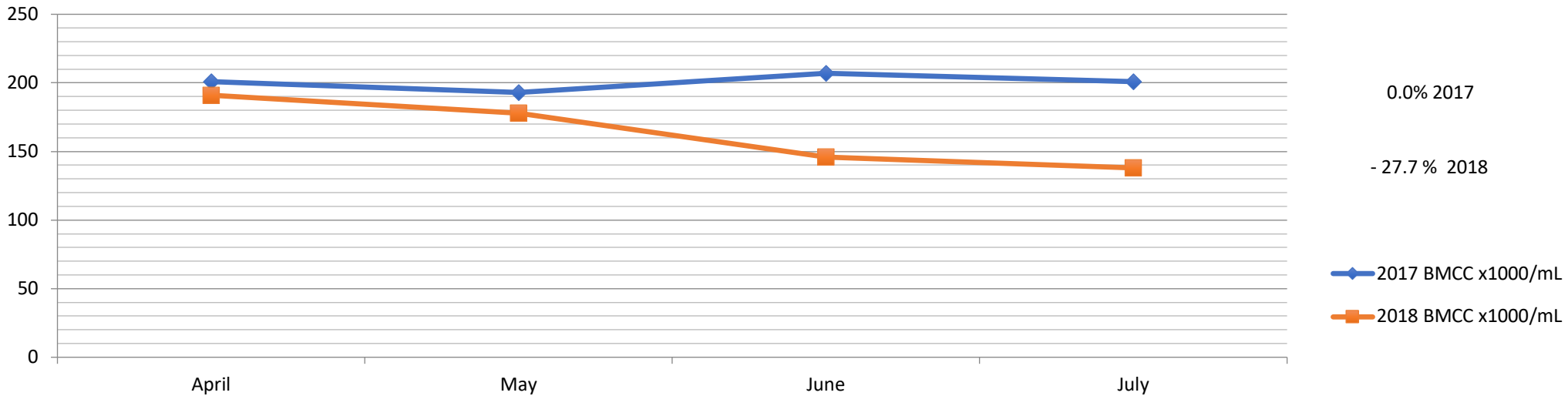
**PMR/TMR - 3 year ave. Milk Protein / month (kgs %)**  
**Lockyer Valley, QLD (MARCH - FEBRUARY)**



**PMR/TMR - 3 year ave. BMCC / month (%)**  
**Lockyer Valley, QLD (MARCH - FEBRUARY)**



**BMCC 4 mth ave. 2017 vs 2018  
TMR - Darling Downs, Qld (APRIL - JULY)  
BioAktiv Animal Feed intro March, 2018**



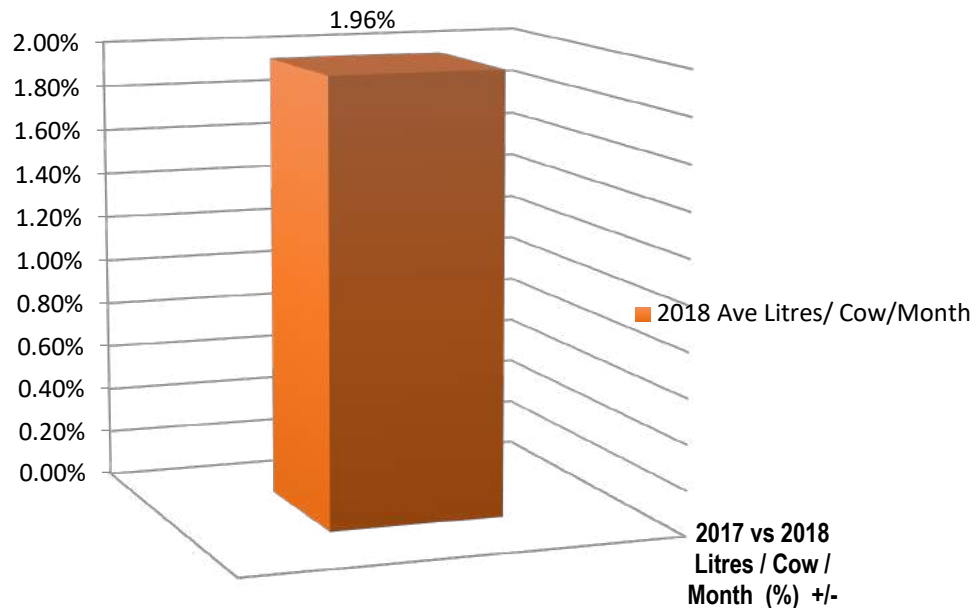
NOTE: the dairy farmer informed us the reason for the drop in Milk Fat percentage was, the herd were put onto young rye grass, day and night, in the month of July. Milk fat percentage average in June 4.08%, July 3.53%, a drop of .55%

<b>BA cost per cow - DAILY</b>	<b>\$0.070</b>	<i>(note, this is the retail price)</i>
Ave cost for herd per day	\$39.03	
Return on herd per day	\$320.85	
<b>- Ave. Return per cow</b>	\$0.58	<i>daily</i>

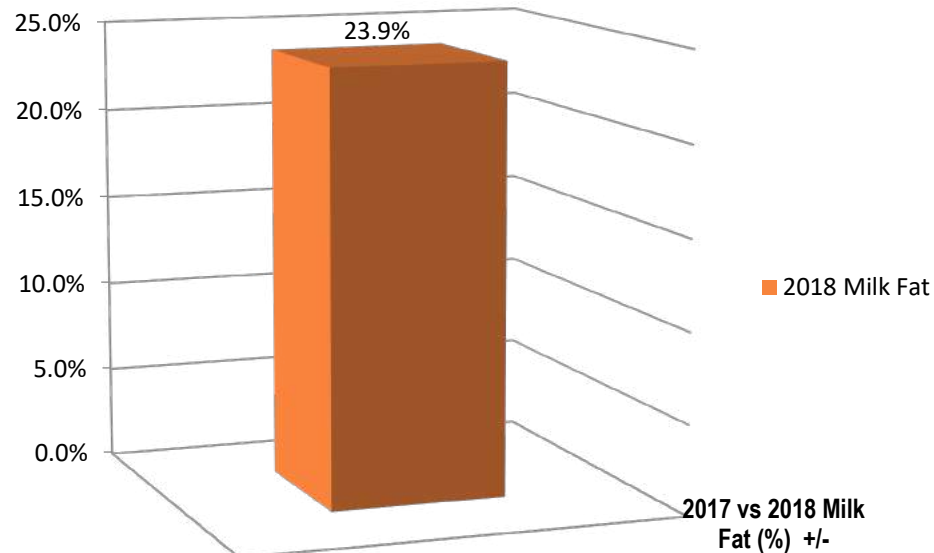
**Pricing from Milk Company**

Milkfat price	<b>\$1.65</b>
Protein Price	<b>\$3.65</b>
<b>Ave. price per LITRE of milk</b>	<b>\$0.71</b>

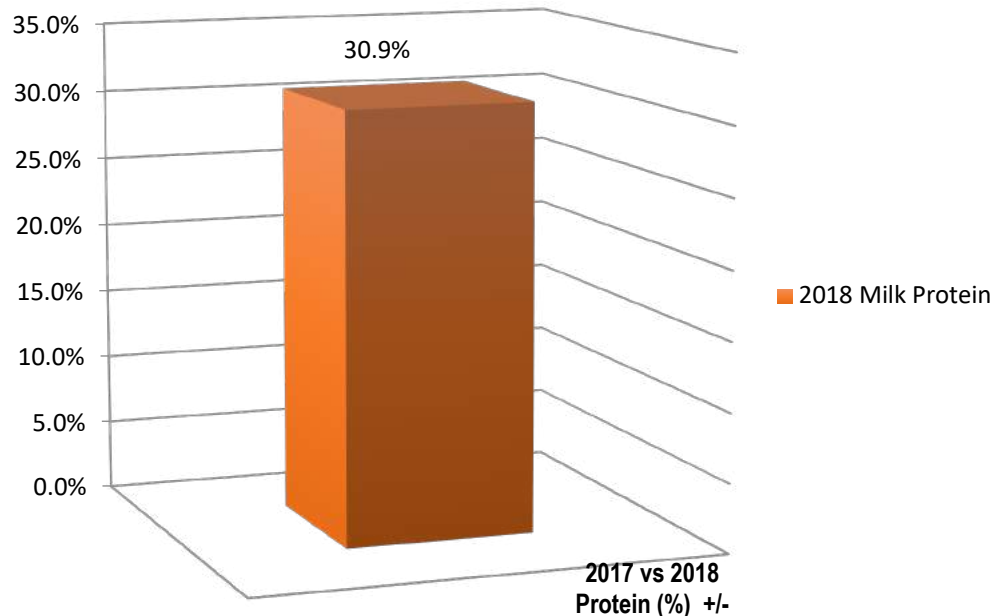
**TMR - 4mth ave. Litres / Cow / Month (%) +/-  
Darling Downs, Qld (APRIL - JULY)**



**TMR - 4mth ave. Milk Fat (kgs) / month  
Darling Downs, Qld (APRIL - JULY)**



**TMR - 4mth ave. Milk Protein (kgs) / month  
Darling Downs, Qld (APRIL - JULY)**



**TMR - 4mth ave. BMCC x1000/ml (%). +/-  
Darling Downs, QLD (APRIL - JULY)**

