

## SUMMARY OF DAVID JONES (TASMANIA) X-ZELIT RESULTS 2017

David Jones is a dairy farmer milking 450 cows at Hamilton, Tasmania. The farm is pasture based with cows getting fed concentrate in the dairy and the rest of the diet is made up of ryegrass pasture and lucerne grazing.

In 2016 David fed his pre-calving cows (21 days before anticipated calving date) a DCAD product from Coprice containing a blend of anionic salts. Specs are listed in Table 1.

**Table 1. Coprice Lead Feed used in 2016.**

Nutrient Specifications	
Crude Protein	Min 16.00%
Metabolisable Energy	Min 11.75 MJ/kg
Crude Fibre	Max 13.30%
Crude Fat	Max 7.20%
Salt	Max 0.50%
Calcium	Min 0.25%
Phosphorus	Min 0.40%
DCAD	Min -1,278 mEq/kg DM

David was still experiencing a high level of clinical milk fevers and in 2017 David decided to use X-Zelit. The X-Zelit was incorporated into a loose grain mix (total 2.5 kg/cow/day) with an inclusion of 20% X-Zelit (500 g/cow/day).

Table 2 shows the results of metabolic disease incidences comparing the 2 years along with a cost of each disease.

**Table 2. Metabolic disease incidences in 2016 using DCAD versus 2017 using X-Zelit.**

	DCAD (2016)	X-Zelit (2017)	\$/case	Cost (\$) DCAD	Cost (\$) X-Zelit
No of Cows	400	450			
Milk Fever	45	1	\$335*	\$15,075	\$335
Subclinical MF	315 (45x7)	7 (1x7)	\$60*	\$18,900	\$420
RFM	15	6	\$312*	\$4,680	\$1,872
Mastitis First 21 days	50	10	\$183**	\$9,150	\$1,830
Deaths	20	9	\$2,000	\$40,000	\$18,000
<b>Total Metabolic Cost</b>				<b>\$87,805</b>	<b>\$22,457</b>
<b>Cost of Feed</b>				\$ 12,500	\$15,840
<b>Total Cost</b>				<b>\$100,305</b>	<b>\$38,297</b>
				<b>NET GAIN</b>	<b>\$62,008</b>

From 2017 and beyond, David Jones has still been using X-Zelit with very successful outcomes.

\*Transition Cow Management – A review for nutritional professionals, veterinarians and farm advisers. Lean I & Degaris P (2010)

\*\*Rolin et al 2015. The cost of clinical mastitis in the first 30 days of lactation: An economic modelling tool. Preventative Veterinary Medicine, volume 122, issue 3, 1 December 2015, Pages 257-264 (direct cost of mastitis only; indirect cost add an additional \$451, Total \$634)

A video testimonial from David Jones can be found on this link:

<https://vimeo.com/483541869/7f3d1be12c>

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