



Cargill MidPro[®] Meals

THE MIDPRO[®] STORY

Cargill has been supplying mid-protein meals ex store New Zealand direct from our Australian crush facilities since 2009.

For recognition in the market, and to give customers security that they are buying a Cargill product with full traceability, we decided to give our canola and cottonseed meals the brand name MidPro[®]. Cargill worldwide has identified the benefits to milk production of incorporating MidPro's in the dairy and feedlot ration. Our intention is to make the benefits of mid protein meal feeding available in New Zealand, so that the New Zealand farmer can enjoy the benefits of improved milk production, milk quality and herd condition.

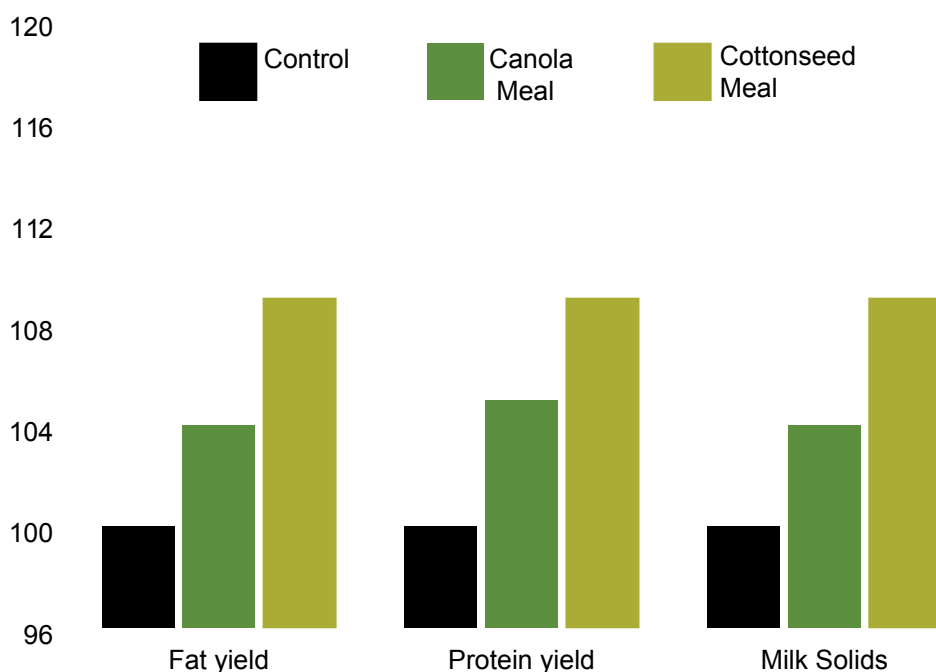
As a global player in a local market, it is important to Cargill that our products have maximum relevance and value to New Zealand farmers.

Cargill has undertaken many studies around the world in the field of animal nutrition. However, our commitment to the New Zealand market compelled us to undertake research in New Zealand conducted by a well respected organization on New Zealand pasture and using typical New Zealand diets.

For these reasons in 2011 we commissioned Dr Jean Margerison of Dairy Systems Research, Massey University to undertake a controlled research project using their purpose built research farm. The findings of our research strongly confirmed the benefits to milk quality and production of including MidPro[®] in typical New Zealand pasture based diets (see next page for results).

KEY FINDINGS:

- Milk solids in the MidPro® herds increased by close to 9% over control
- Milk yield in the MidPro® herds increased by up to 6.5% over control



Percentage increase in milk fat, protein and solids production (kg/d) of cows with Cargill MidPro® in their diet compared with control.

FEED SPECIFICATIONS	CANOLA MEAL	COTTONSEED MEAL
CRUDE PROTEIN (%)	36 MIN	44 MIN
MOISTURE (%)	12 MAX	12 MAX
CRUDE FIBRE (%)	15 MAX	14 MAX
OIL (%)	0.5 MIN	0.5 MIN

RESEARCH DETAILS

Research completed at Massey University

A herd of 150 cows were split into three equal yielding groups and fed the same quantity of protein energy and fat for the first 50 days of lactation. The protein source for two of the groups was Cargill MidPro®, and the third control herd was fed typical New Zealand protein sources. Nearly nine percent increase in milk solids yield was achieved by cows fed MidPro®

Results found in research completed by Dr Jean Margerison of Dairy Systems Research at the Institute of Agriculture and environment at Massey University.

All herds were fed equal quantities of total crude protein, individual results may vary. Not all canola and cottonseed meal have the same specification and micronutrient profile as Cargill products so be sure to ask for Cargill MidPro® by name.



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