

DEMONSTRATION



TwinN on Dairy Pastures: Winnaleah, Tasmania, Australia

SUMMARY OF DEMONSTRATION

A six month demonstration to assess the role of TwinN on pasture growth, comparing a combination of EasyN + TwinN against urea, was undertaken in Tasmania. The comparison was made of kilograms of dry matter pasture (Kg/DM) for Recorded Milk Litres for the period 1 September 2008 to 28 February 2009, against the same period in 2007/08.

This was undertaken with an autumn/spring calving Holstein herd averaging 198 cows over an average of 58 ha (50 ha laterally irrigated). The herd budget cow litre for an average season is 8,400 litres per cow.

KEY RESULTS

Milk Production

During the 181 day assessment period, the 2008/09 season received a total of 25.5 units of nitrogen (N) per ha applied as Easy N and was supplemented with four applications of TwinN. By comparison, the 2007/08 season was treated with 110 units of N per ha applied as urea.

During 2008/09 there was an overall increase in milk production and, more importantly, there was a greater than 17% increase in Total Milk Solids. Milk quality improved per cow with Total Fat increasing by 4.8% and Total Milk Solids increasing by 3.3%.

	2007/08	2008/09	Variance
Total Litres produced	815,497	907,224	11.2%
Average cows milked	174	198	13.8%
Total Fat	30,869	36,804	19.2%
Total Protein	27,621	31,982	15.8%
Total Milk Solids	58,490	68,786	17.6%
Total Fat/cow	177.4	185.9	4.8%
Total Protein/cow	158.7	161.5	1.8%
Total Milk Solids/cow	336.1	347.4	3.3%

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