

**The study of Total Mixed Ration (TMR) management by pilot milk collecting center  
on farmer's milk production efficiency  
Case study: Thaimilk Dairy Cooperative**

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**Abstract**

The objective of this study is to review the TMR management practice of Thaimilk Cooperative and consequence of feeding TMR on milk production. The primary survey shows that the cooperative has 1,700 Rai of Napier grass, and produces TMR at the capacity of 90 – 144 ton per day (2,700-4,320 ton per month). Other feed materials are concentrates (2,640 ton per month) and Napier silage (325-330 ton per month). The cooperative survey of feed type that are bought by farmers shows that 690 of 867 farmers bought concentrates, 89 of 867 farmers bought silage, and only 9 of 867 bought TMR.

The comparison of milk production efficiency before and after feeding TMR is examined. The results showed that the number of milking cows increases from 49.11 cows per farm to 52.78 cows per farm. Total solids increase from 11.83 % to 11.96 %. Somatic cell count decreases from 355,333 cells per ml to 303,944 cells per ml.

**Keywords:** Total Mixed Ration, milk production efficiency