

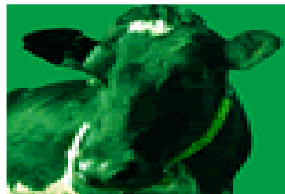
DAIRY SCIENCE 2007

Meeting the challenges for pasture-based dairying

Management decisions required for high production and profit from different strains of Holstein-Friesian dairy cows in pasture-based systems

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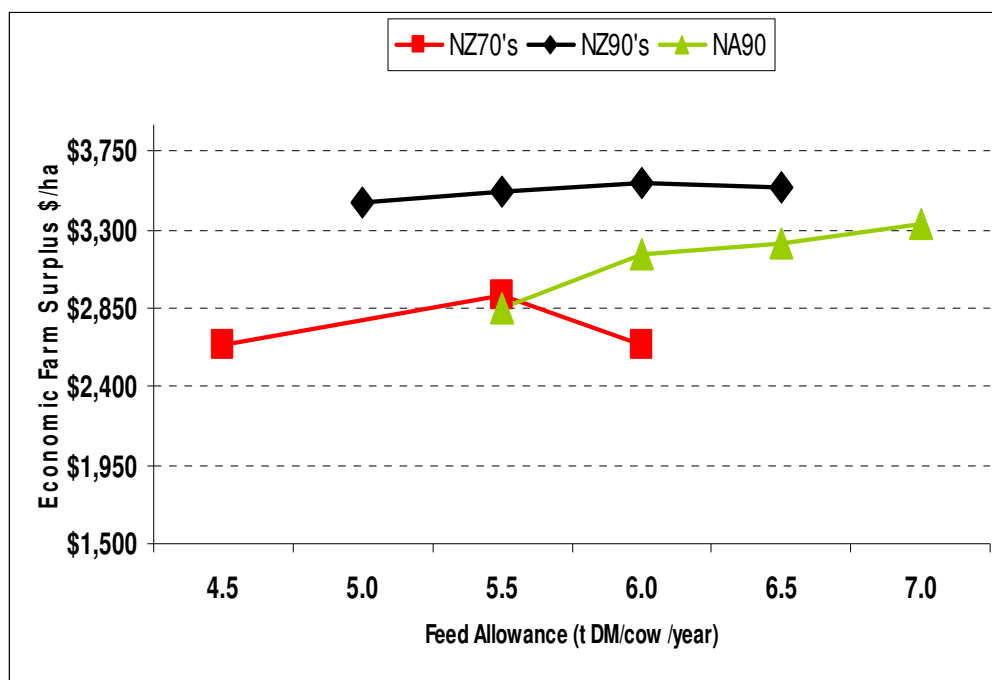
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Meeting the challenges for pasture-based dairying

Profitability of 3 strains of Holstein- Friesian compared in 11 farmlets with annual feed allowances from 4.5 to 7.0 tonnes DM per cow.

- NZ90 cows had the highest profit at all feed allowances

Economic Farm Surplus per ha @ \$4.20/kg MS





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Meeting the challenges for pasture-based dairying

Important traits for high profit in seasonal pasture based systems.

- **High Fertility**
 - Improved calving pattern
 - Lower replacement costs
- **Ability to retain body condition during lactation.**
 - Longer lactations
 - Lower winter feed costs
- **Combined with genetic gain for MS production**

	NZ90	NA90
Feed allowance t DM /cow	6.5	7.0
MS/ha	1651	1642
Pasture eaten t DM/ha	15.1	14.1
Maize supp. kg /ha	1426	3705
\$EFS/ha	\$3543	\$3334