

Animal Science Research Centre - Beef Unit Trial Results – 1999 (a)

Evaluation of a moist co-product mix (Praize) for intensively finished suckled bulls

Object: To evaluate the performance of Continental x weaned suckled bulls finished either on a conventional 14.5%CP cereal based ration based on rolled barley or a ration based on a 4:1 mix of Pressed Sugar Beet Pulp ensiled with dried maize distillers grains (Praize).

Stock: 336kg Jan-March born 7/8th bred Limousin suckled bulls purchased in November by Harper Adams and selected for slaughter at fat class 3 at approximately 14 months old in April-June 2000.

Rations: The following rations were fed *ad-libitum*

Feeds (kg/mix)	Barley Mix	Praize
Rolled barley	775	
Soya/Molasses/Mins	225	
Pressed sugar beet pulp		400
Dried maize distillers grains		100
Feed Analysis		
Dry Matter (%)	86	39
ME (MJ/kg DM)	12.8	13.4
CP (% in DM)	16.9	17.5

NB: Bulls fed Praize also given 25g/100kg live weight/day of Intensive Beef minerals

Results:

	Barley Mix	Praize
Slaughter wt (kg)	598	587
Days to slaughter	175	177
DLWG (kg)	1.50	1.42
Carcase wt (kg)	357	355
Killing out %	59.6	60.4
Carcase DG (kg from weaning)	1.14	1.12
Carcase grade	-U/U+3	-U/U+3
Feed use (t/head)	1.602	3.435
Feed use (t DM/head)	1.371	1.367
FCR (kg feed DM: kg LWG)	5.22	5.42

Discussion & Conclusions:

- Both groups of cattle were slaughtered at approximately 14.1 months old and recorded high DLWG's and daily carcass gains with very good killing out percentage and carcass grades.
- Cereals can be effectively replaced with Praize to give similar animal performance. The choice of which feed to use will be dictated by the relative costs of the feeds and available resources such as storage and handling facilities.
- To consider co-product feeds you ideally want to be close to the source, get the rations independently formulated, get a guarantee of supply and minimise storage losses. There is however a finite supply of alternative feeds and it may require a change in your feeding system.

References:

Marsh, S.P., Edmond, S.L. and Witt, M. 2001. Comparison of pressed sugar beet pulp ensiled with dried maize distillers grains against a ration based on barley and soya bean meal for fast finishing suckled beef bulls. *Proceedings of the British Society of Animal Science*. Paper 113

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