

Finishing, Feed and Facts!

Karen Stewart North Ayrshire Monitor Farm, 30th January 2019

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Girtridge Cattle Feeding

Cost per day

Cost per kg gain



£1.27

£1.27

| | | | CONSULTING |
|---|--------------------|--------------------|---------------------|
| Feed | 475kg 1.3kg/day | 600kg 1.5kg/day | SHO X HIGH 1kg/day? |
| Pit silage (50/50 1 st and 2 nd cut) (£15/t) | 12kg | 12kg | Ad lib |
| Propcorned bruised barley (£188/t) | 6kg | 8.5kg | 4kg |
| Hi pro soya meal (£360/t) | 0.5kg | 0.5kg | 0.5kg |
| Stockmol 20 (£172/t) | 0.5kg | 0.5kg | 0.5kg |
| Intensive mineral (£371/t) | 0.1kg | 0.1kg | 0.1kg |

£1.61

£1.20

£2.08

£1.40

Weighing in



- Summer growth 0.5kg average
- Winter growth 1kg average

However....

Starting weights – accuracy – some are mart weights, averages etc Time period between weighing varies (some last weighed Oct some Nov)

224 complete sets of weights (taking outlying figures out)

9% > 1.5kg/day 45% 1-1.5kg/day 29% 0.7-1kg/day 17% < 0.7kg/day

Weights of cattle on farm







Rules of Thumb – Finishing cattle



TYPE OF FEED

- Keep energy density of the ration above 12MJ/kgDM
- Starch above 25%
- Protein in overall ration around 130g/kgDM (13%)
- Diffferent breeds respond differently (continental Vs natives)
- You are feeding a ruminant they need fibre!

PRESENTATION OF FEED

- Keep ration appetising to keep intakes up
- Access to feed
- Water supply

BALANCE ENERGY, PROTEIN, LONG ROUGHAGE MANAGE ACID LOAD MINERALS

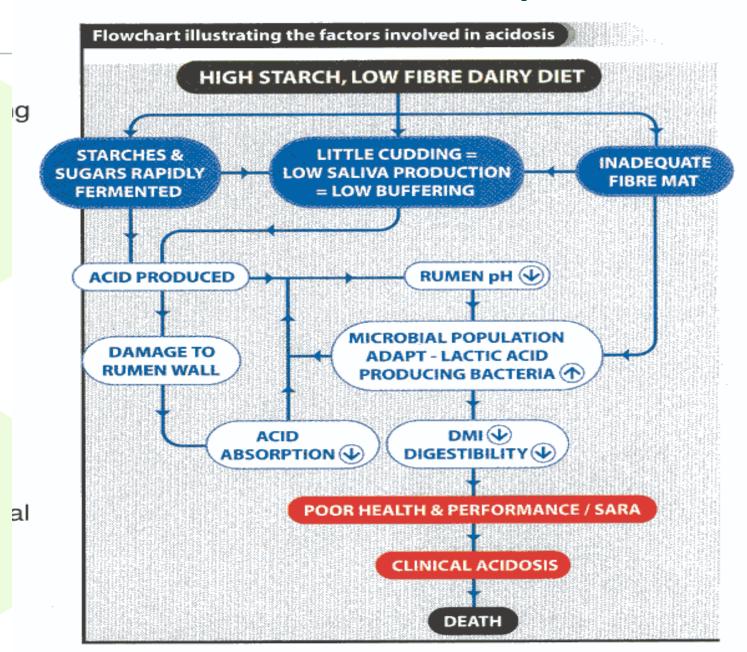
Rumen Acidosis – Dietary Causes



- Overfeeding starch cereals, biscuit, bread, tatties
 - but can happen on very acidic, highly fermented grass silage
- Diets too low in forage
- Feeding large meals of cereals etc. infrequent feeds
- Gorging on concentrates after a period off them
- Too rapid introduction to concentrates (barley beef)
- Lack of rumen adaptation

Rumen Acidosis - Summary





Type of feeds for finishing cattle



| Fibres | Starch | | Sugars | |
|---|------------------|----------------|-----------------|--|
| Straw | Cracked cer | reals | Molasses | |
| Low D-value silage | Crimpeo | d cereals | | |
| Soya hulls | Bisc | uit blends | | |
| Palm kernel | Pot | tatoes | | |
| High D-value silage | Ro | lled cereals | | |
| Sugar beet pulp | (| Ground cereals | | |
| slow | | | fast | |
| Digestible undegradable protein (DUP) Effective rumen degradable protein (ERDP) | | | | |
| Prairie meal (maize gluten feed) Di | istillers grains | Rapeseed m | neal | |
| Soyabean meal | Beans | Pot a | ale syrup | |
| Lupins | Peas | | Feed grade urea | |

Source: AHDB

Dung of finishing cattle



| What the manure looks like | Possible dietary causes (not disease) |
|---|---|
| Loose manure | ■ High protein (total or soluble); pasture ■ Insufficient fibre in ration |
| Diarrhoea | ■ Spoiled, mouldy feed or silage ■ Ruminal acidosis |
| Foamy manure or mucin casts (pieces of gut lining that indicate gut damage) | ■ Ruminal acidosis ■ Increased hindgut fermentation |
| Large particles, undigested feed | ■ Not enough long fibre/forage ■ Cattle fed a total mixed ration (TMR) may be sorting feed ■ Ruminal acidosis |
| Manure variable in a feeding group | ■ Cattle are sorting feed; feeding slowly ■ Dominant cattle in the group eating more concentrate ■ Spoiled, mouldy feed or silage |
| Very dry dung | ■ Diet is too low in protein, potential risk of the rumen stopping working ■ Reduced water intake |

Source: AHDB

Current Feed Prices for Finishers



Maize and Soya look good value forward, Rape and distillers less so

| Feed | Current Price (£) | Relative value (£) |
|-----------------------------|--------------------------|--------------------|
| Biscuit meal | 193 | 265 |
| Bread Waste | Sold out | 165 |
| Maize | 193 (ground) | 207 |
| Barley | 188 (dry, whole) | - |
| SBP | 218 (some imported £210) | 186 |
| Soya Hulls | 158 | 175 |
| Rapemeal | 235 | - |
| Hi pro soya | 308 | 304 |
| Maize Distiillers Meal (US) | 218 | 260 |
| Stockmol 20 (10t) | 191 | 141 |
| Regupro 38 (10t) | 183 | 174 |

Prices for North Ayrshire full artics delivered Monday 28th January. Source: KW

Labelling of Compounds



Example label:-

Beef Nuts

A complementary compound feeding stuff for beef cattle

Directions for use:- To be fed with silage or grass or other roughage. All raw materials used in this feed are from a non-genetically modified source (max 1%)

Oil (B) 3.7% Protein 15% Fibre 7.9%

Ash 6.6%

Vit A 8000iu/kg Vit D3 2000iu/kg Vit E 40iu/kg (expressed as ALPHA TOCOPHEROL

ACETATE)

Copper 35mg/kg (From Copper Sulphate) Selenium 0.25mg/kg

Ingredients used in descending order by weight are: Barley, Distillers Dark Grains (barley), Wheatfeed, Sugar Beet Pulp, Malt Residuals, Distillers Dark Grains (maize), molasses, Calcium Carbonate, Trace Elements + Vitamin Supplements, Sodium Chloride

This feedstuff contains added Copper DO NOT FEED TO SHEEP

Best Before/Vitamins present until 09/11/2012 Manufactured 92days before the "best before" date indicated. Berry Farm Feeds Ltd, 1000kg nett weight Store in cool dry place. UFAS cert end 30.04.13

Energy of ingredients

ME MJ/kg

DM



Energy of common ingredients in compound feeds

