

Moorepark Weighs In On Farrowing Room Feeding



Aisling Holmes and Kieran Keane

Weight increase

| | Moorepark | | Teagasc PM system | |
|----------------------------------|-----------|------|-------------------|-------|
| | 2021 | 2022 | 2021 | 2022 |
| Number Born alive per litter | 15.5 | 15.8 | 14.69 | 14.81 |
| Average piglet birth weight (kg) | 1.3 | 1.5 | | |
| Average weaning weight (kg) | 8.1 | 8.7 | 7.1 | 7.2 |

Table 1: Comparative production figures in the Moorepark unit and the Teagasc PM system

Average Birth weight ↑ 15%

Average Weaning weight ↑ 7%

Creep Feeding- What we do!

- Period of supplementation
16 Days
- Frequency of checks
2 to 3 times daily
- Creep Volume
Little and often – 75/100g



Average Creep Intake- over 16 days

Do you know how much creep your litters are currently eating?

- Average creep eaten per litter overall = 5.6kg
- Average creep eaten per piglet = 450g
- 1/5 of litters able to take in 8kg + of creep

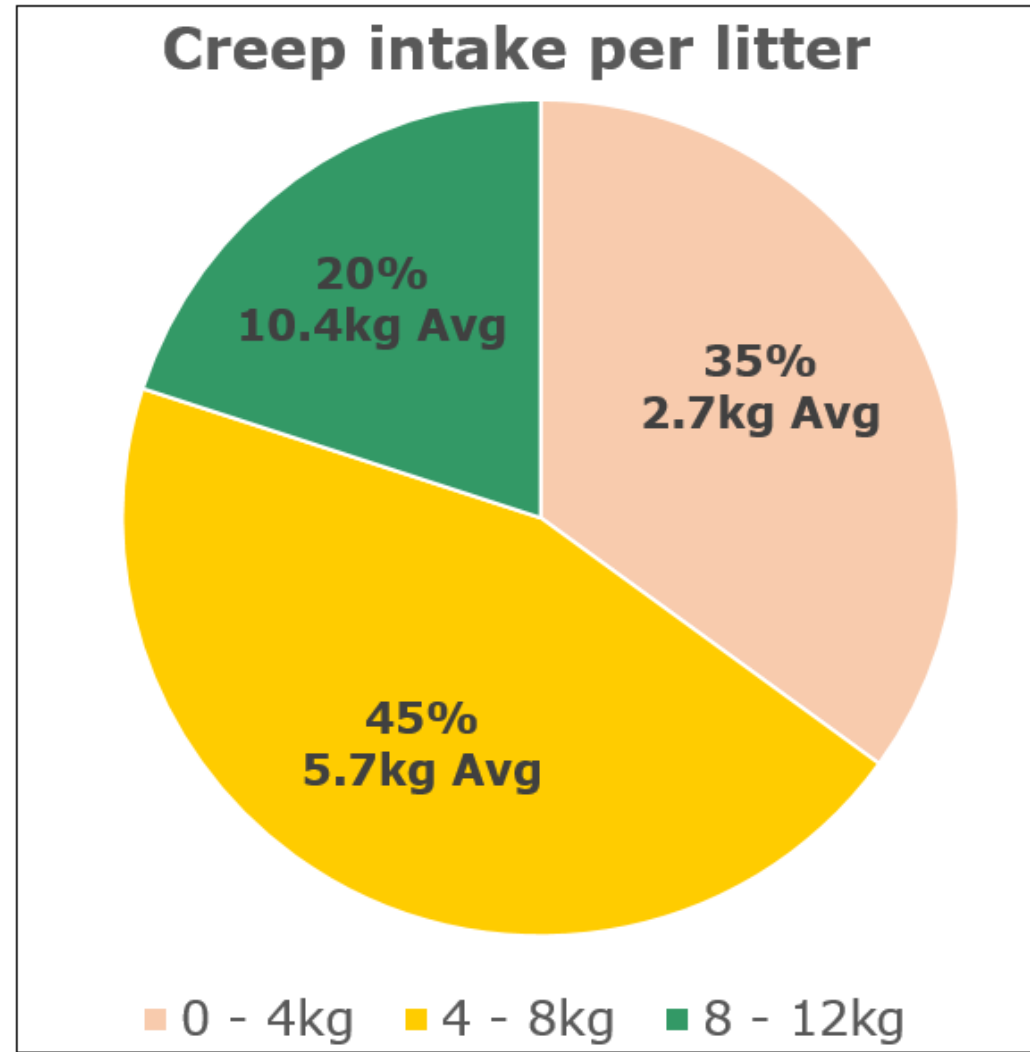


Figure 2: Creep intake from sample population of litters in Moorepark unit

Why feed more creep?

- Supplement sows milk
- Reduced growth lag effect
- Good growth weights in weaner stage – ADG 570g (47 days)



| Moorepark Starter Diet | (kg/t) |
|--|--------|
| Barley | 50 |
| Maize | 246 |
| Soya Hi-Pro | 141 |
| Soya Full Fat | 125 |
| Whey Permeate Powder | 200 |
| Milk skim dried | 125 |
| Soya oil | 77.9 |
| Limestone flour | 7.5 |
| Monocalcium Phosphate (22.7% P & 16% Ca) | 5 |
| Salt feed grade | 3 |
| Lysine HCl (78.8) | 6.41 |
| DL-Methionine | 3.71 |
| L-Threonine (98) | 3.62 |
| L-Tryptophan | 1.42 |
| L-Valine | 1.28 |
| Vit-Min Mpk Weaner | 3 |
| Ronozyme HiPhos GT (50g = 500FYT) | 0.05 |
| | 1000 |

Digestible Energy = 16.2MJ/kg

Net Energy = 12.3 MJ/kg

Crude Protein = 19.9%

Total Lysine = 1.62%

Fat = 11.4%

COST = €1150/t

Moorepark Dry Sow Diet (kg/t)

| | |
|--|------|
| Barley | 748 |
| Soya Hi-Pro | 74.3 |
| Soyahulls CF > 310 | 142 |
| Fat, soya oil | 10 |
| Limestone flour | 10 |
| Monocalcium Phosphate (22.7% P & 16% Ca) | 7.09 |
| Salt feed grade | 4 |
| Lysine HCl (78.8) | 2.18 |
| DL-Methionine | 0.46 |
| L-Threonine (98) | 0.87 |
| Vit-Min Mpk Sow | 1.6 |
| Ronozyme HiPhos GT (50g = 500FYT) | 0.05 |
| | 1000 |

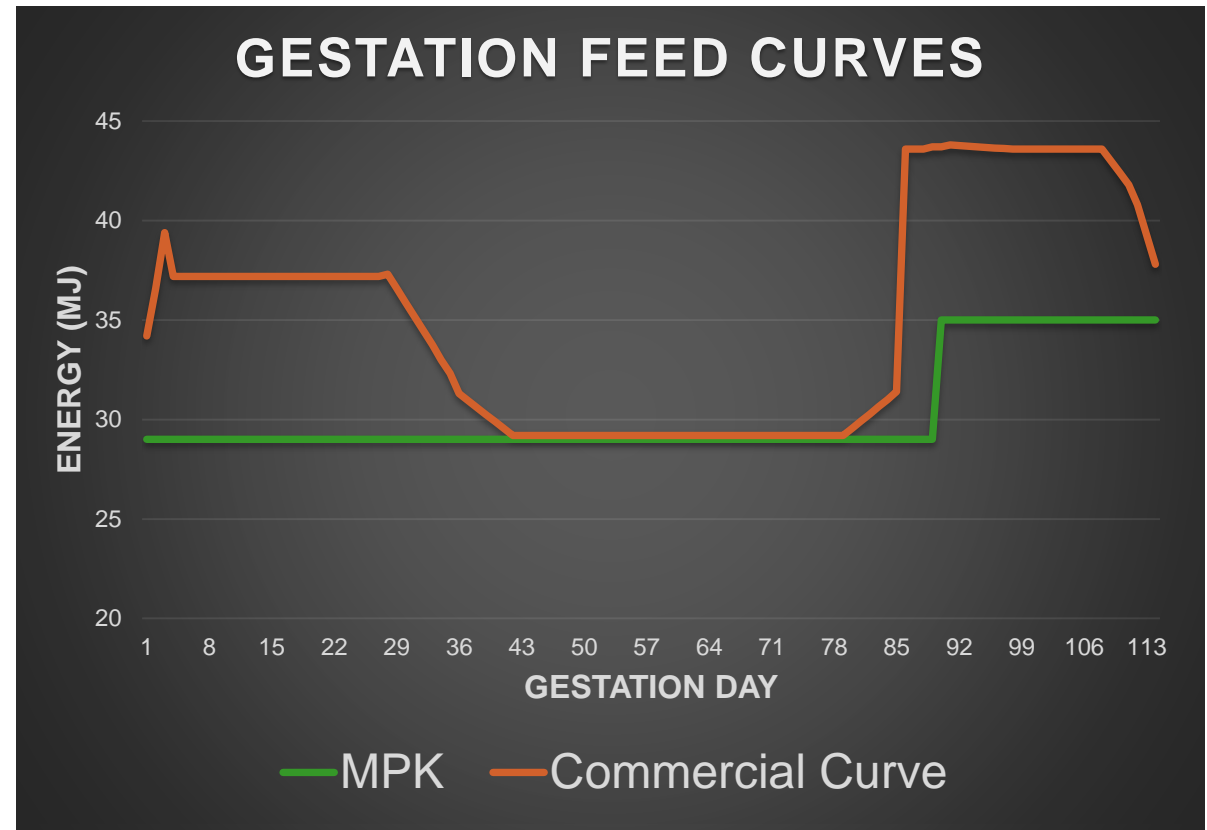
Digestible Energy = 13.2 MJ/kg

Net Energy = 9 MJ/kg

Crude Fibre = 8.5%

Total Lysine = 0.78%

Fat = 2.7%

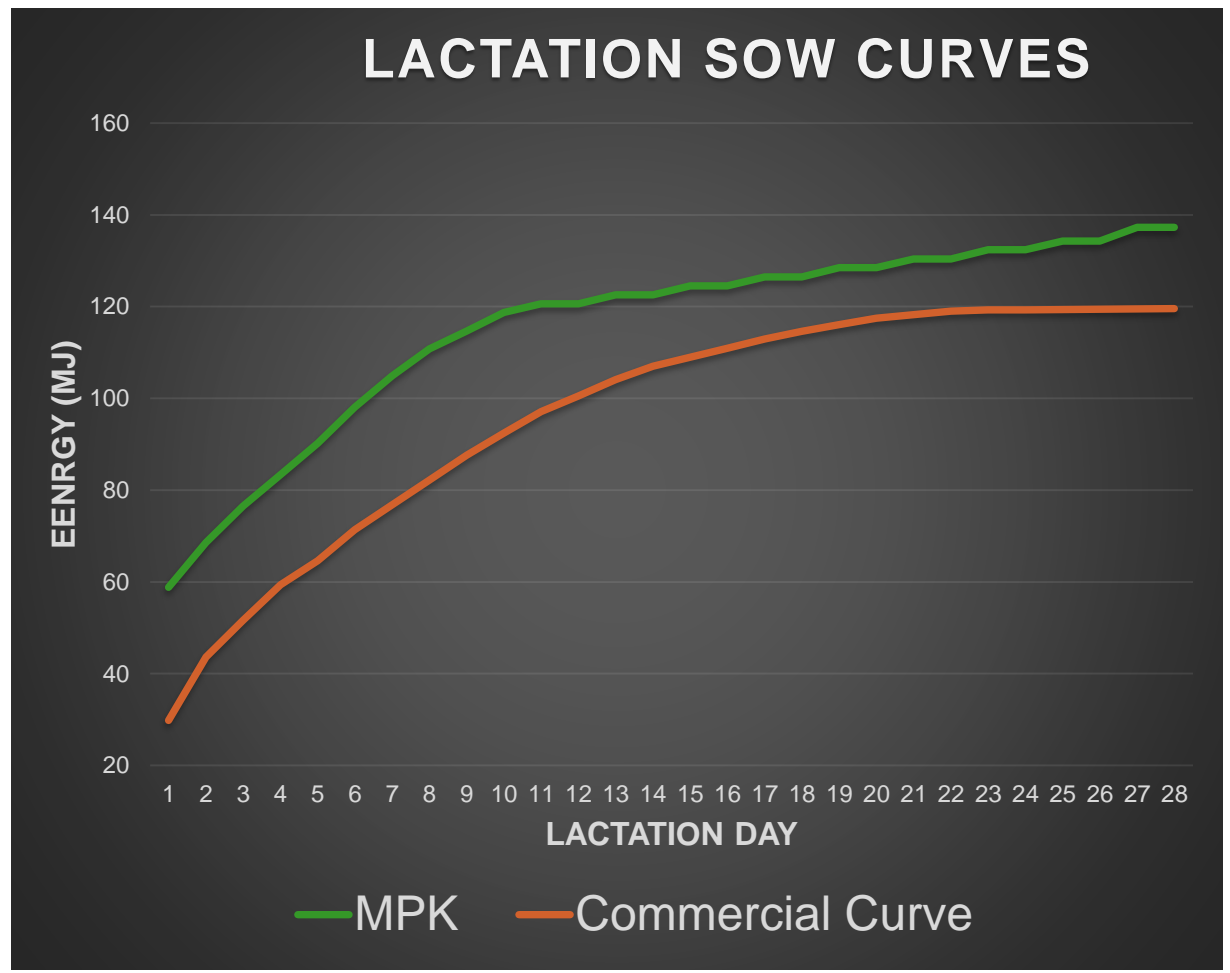


| | MPK | Comm. Curve |
|------------------------------------|----------|-------------|
| Energy per kg | 13.2 MJ | 12.7 MJ |
| Total energy per sow per gestation | 3456 MJ | 4010 MJ |
| Total feed per sow per gestation | 261.8 kg | 315.7 kg |
| Feed per sow per day | 2.29 kg | 2.77 kg |

Moorepark Lactation Sow Diet (kg/t)

| | |
|--|------|
| Wheat | 450 |
| Barley | 286 |
| Soya Hi-Pro | 174 |
| Fat, soya oil | 49.9 |
| Limestone flour | 12.5 |
| Monocalcium Phosphate (22.7% P & 16% Ca) | 7.77 |
| Salt feed grade | 5 |
| Lysine HCl | 5.13 |
| DL-Methionine | 1.55 |
| L-Threonine | 2.64 |
| L-Tryptophan | 0.8 |
| L-Valine | 2.6 |
| Vit-Min Mpk Sow | 1.6 |
| Ronozyme HiPhos GT (50g = 500FYT) | 0.05 |
| | 1000 |

LACTATION SOW CURVES



Digestible Energy = 15 MJ/kg
Net Energy = 10.8 MJ/kg
Crude Fibre = 2.9%
Total Lysine = 1.15%
Fat = 6.4%

| | MPK | Comm. Curve |
|------------------------------------|----------|-------------|
| Energy per kg | 15 MJ | 14.2 MJ |
| Total energy per sow per lactation | 3239 MJ | 2703 MJ |
| Total feed per sow per lactation | 215.9 kg | 190.4 kg |
| Average feed per sow per day | 7.71 kg | 6.8 kg |



Feed strategies to boost sow intake during lactation

- Lower volume of feed in gestation
- Feeding a fibrous diet in gestation
- Higher energy lactation diet
- Good level of lysine
- Fed 3 times per day



| Lactating Sow | | |
|----------------------------|----------|------------|
| | MPK | Commercial |
| Energy (MJ/kg) | 15 | 14.2 |
| Total Energy (MJ) | 3239 | 2703 |
| Total Feed (kg) | 215.9 | 190.4 |
| Cost per tonne | € 454.00 | € 413.00 |
| Cost per sow per lactation | € 98.03 | € 78.62 |

| Dry Sow | | |
|----------------------------|----------|------------|
| | MPK | Commercial |
| Energy (MJ/kg) | 13.2 | 12.7 |
| Total Energy (MJ) | 3456 | 4010 |
| Total Feed (kg) | 261.8 | 315.7 |
| Cost per tonne | € 368.00 | € 365.00 |
| Cost per sow per gestation | € 96.35 | € 115.25 |

| | | |
|------------------------------|----------|----------|
| Total cost per sow per cycle | € 194.38 | € 193.86 |
|------------------------------|----------|----------|

| |
|-------------------|
| Difference |
| € 0.52 |

Food for thought. .



- Do you know how much creep your piglets eat?
- Could they eat more?
- Are your sows losing a lot of bodyweight during lactation?
- Could they eat more?
- In both cases – using more feed in the farrowing room can help you save in the next stage.

Questions?

