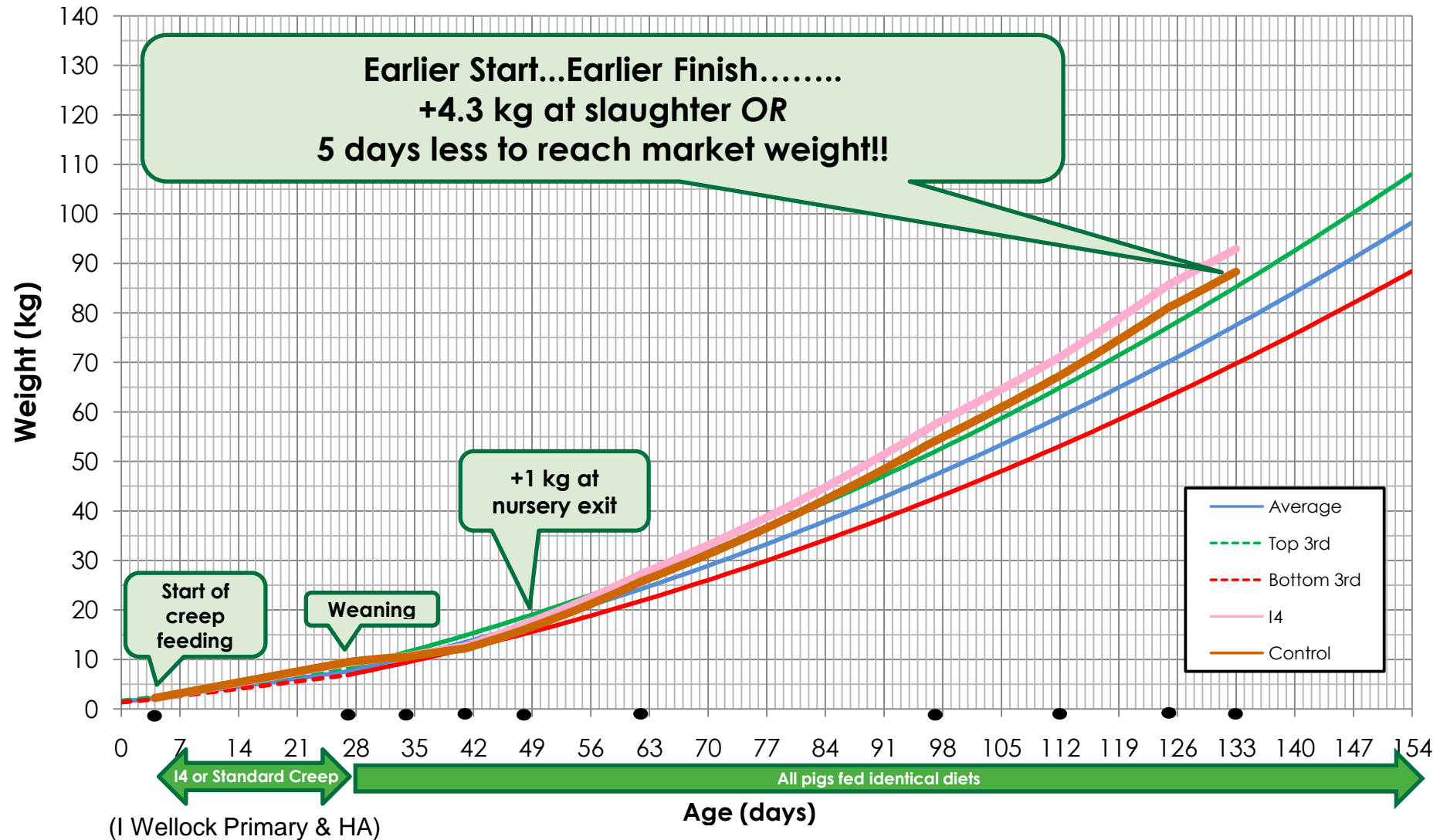


Weaning Objectives

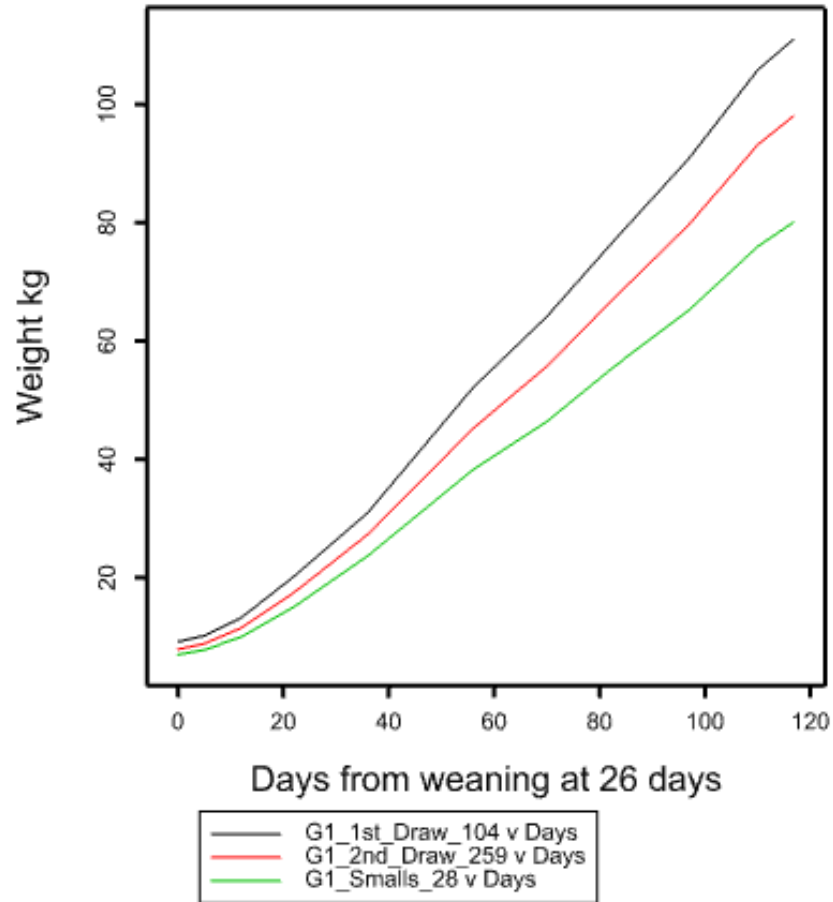
- Maximize Weaning weight (Target 8+kg at 26 days)
- Minimise Post - wean Mortality
- Reduce Weaning Stress
- Maximise post weaning performance
- Maximise sow productivity (eg Reproductive efficiency)
- Optimum Weaning Age???
 - Natural 10-16 weeks
 - EU No less than 21days - 28 recommended
 - USA Any time (often 10 days)

Creep feed can impact lifetime performance

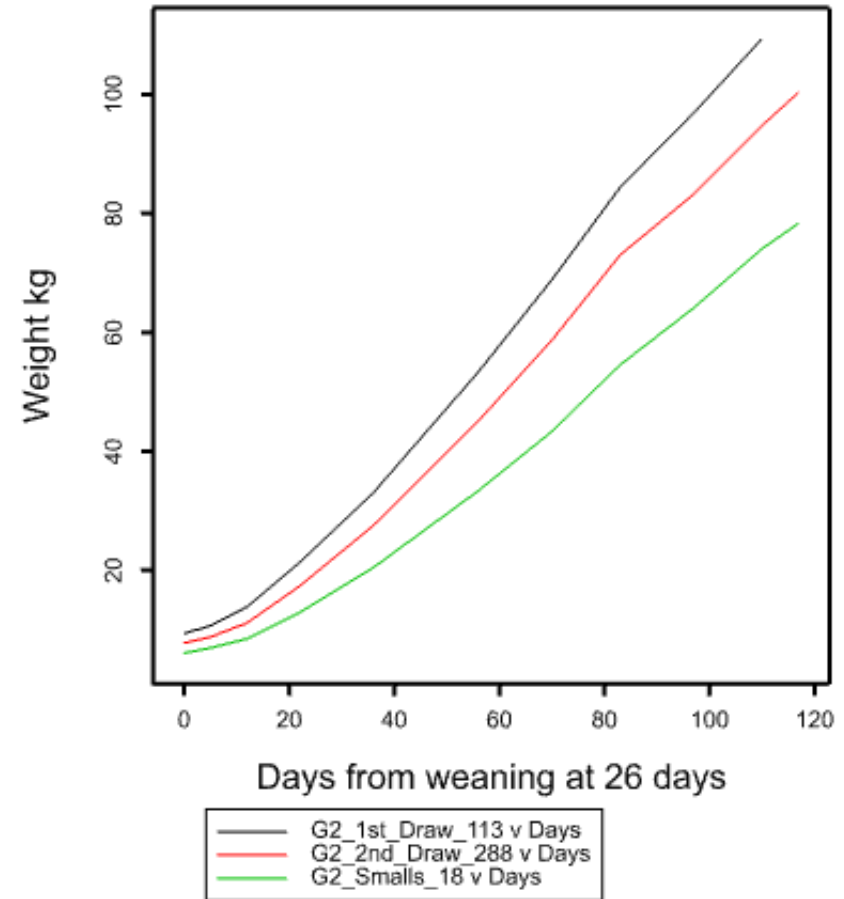


- Current HA Creep Intake 1kg+ per piglet birth - wean

Growth Curves of pigs Slaughtered on Same Day



Growth Curves of pigs drawn in two groups



Current Contract 360 85 -120 kg livewt

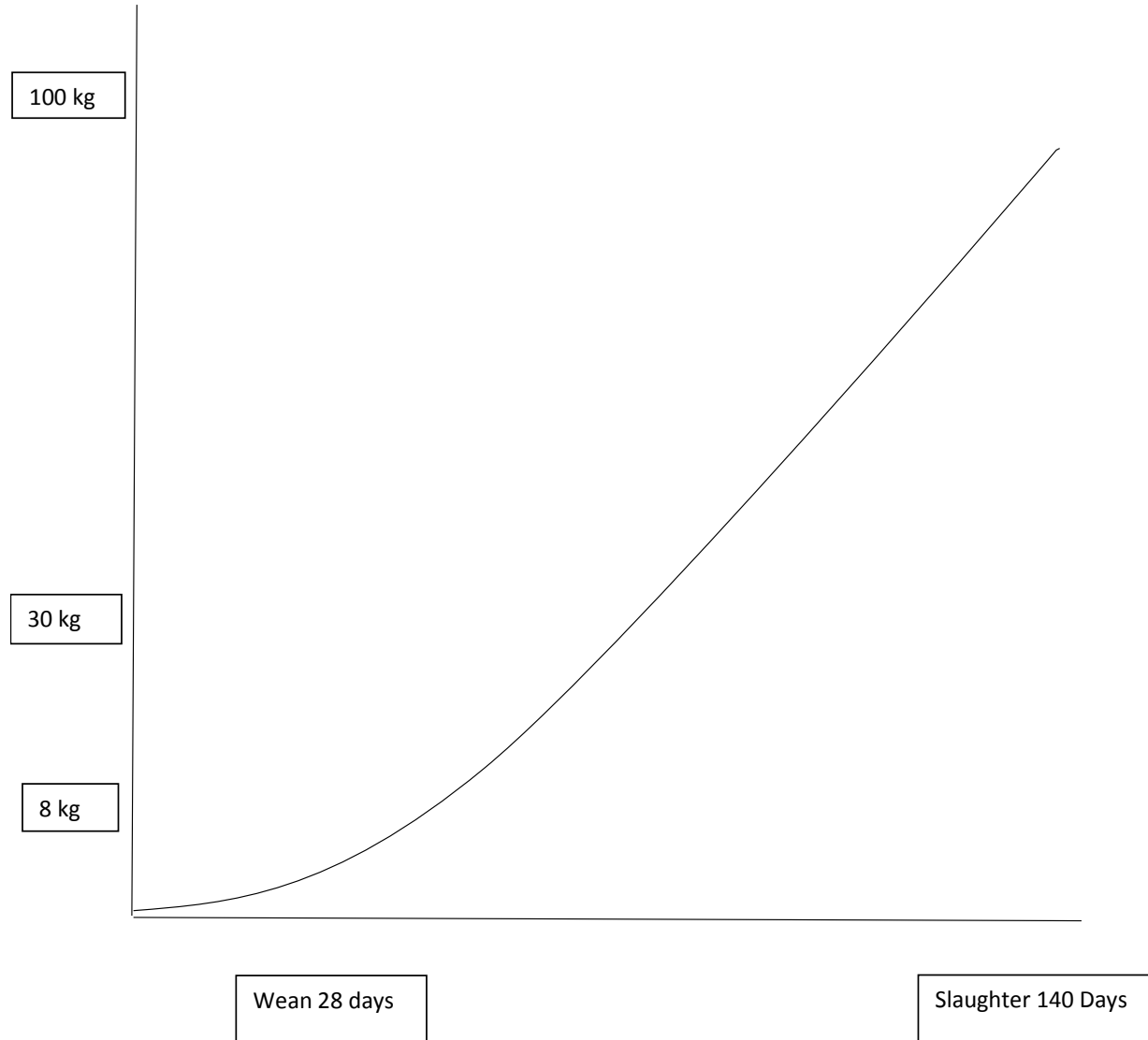
- Select 1/3 , 2/3
- 20-30 <85 Sold at second draw
- Wean Wt 9.4, 7.8, 6.1

Reducing Weaning Stress

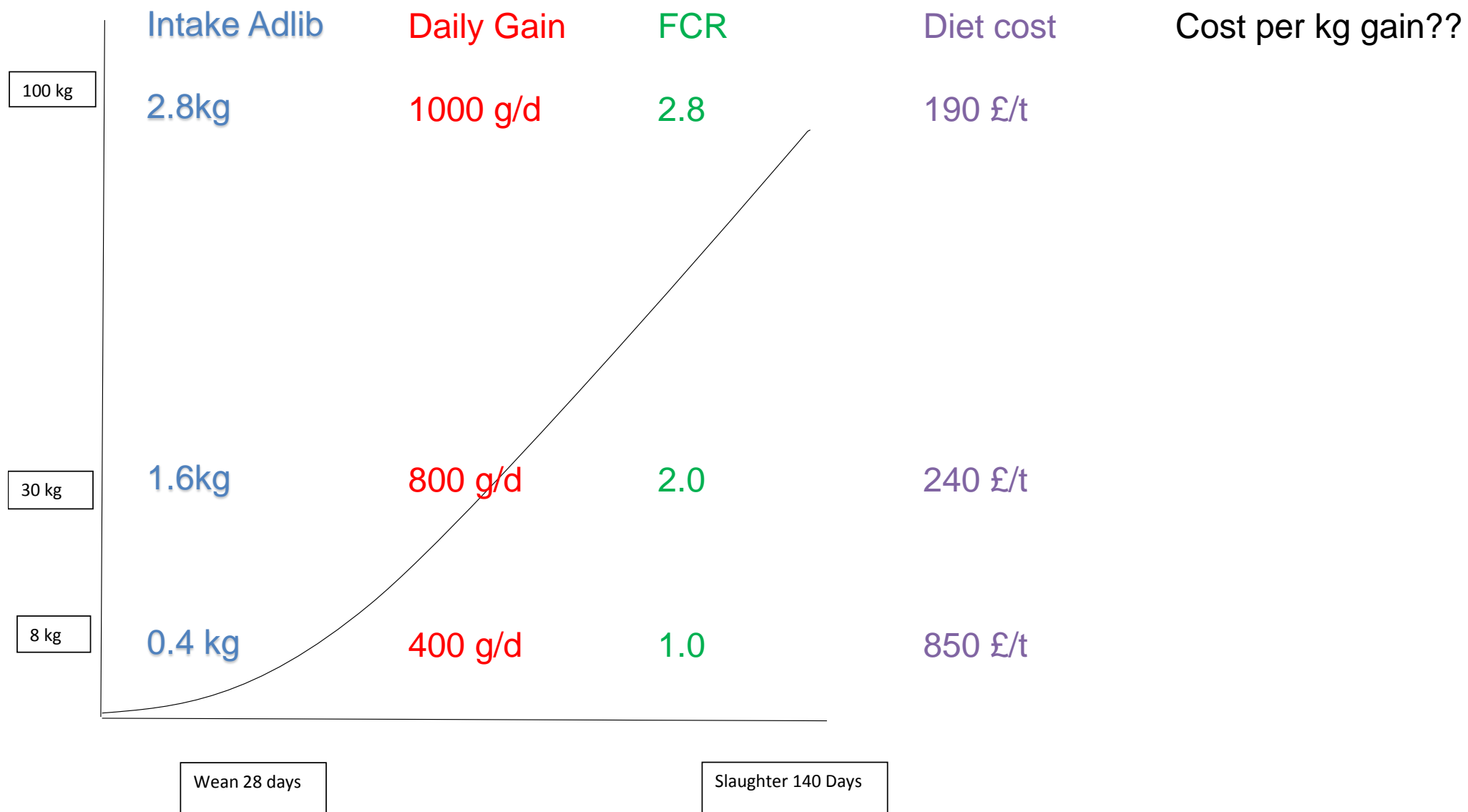
- Stressors
 - Mix, Move, Minus Mother, Diet Change
- Litter penning reduces mixing
- Mix litters prior to weaning – Multisuckle
- Leave piglets in farrowing pen for a few days
- Keep nurse sow for smalls
- Creep feed from day 14
- Outdoor production?



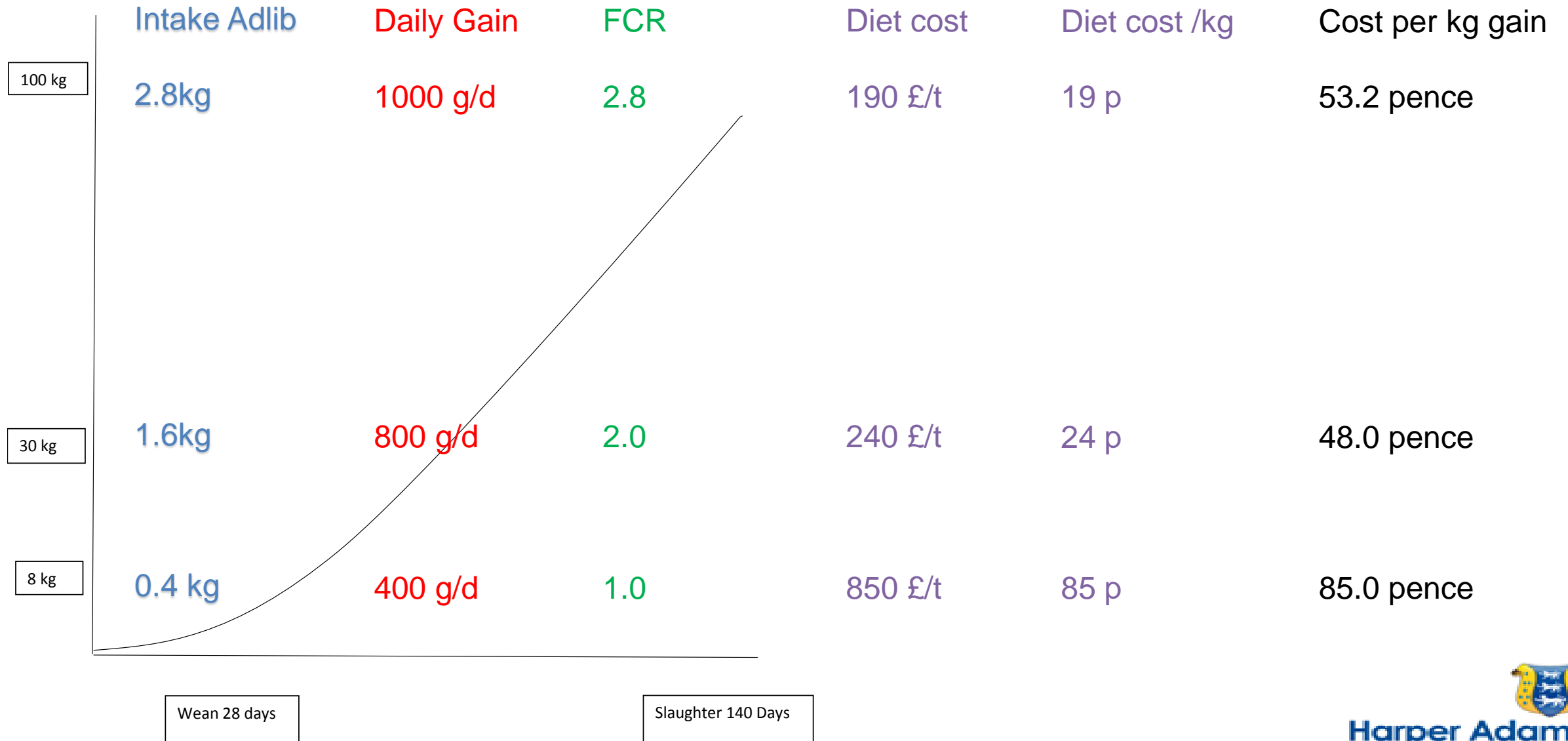
Finishing Performance



Finishing Performance



Finishing Performance



Finishing Management Issues

- Temperature Wean 28°C → Finish 22°C
- Space Wean 0.25 m² → Finish 0.75 m² Slates
1.25 m² Deep Straw
- Adlib Feed and Water
- Avoid Mixing
- Group Size
- All in All out Batch management

Feeding Sows

- Feed to condition Score
- Two Diet System
- Gestation - Dry Sow Diet - CP14%, DE 13 MJ/kg
- Lactation - Sliding Scale - CP18%, DE 14 MJ/kg
- 1.2 – 1.5 Tonnes / Sow / Year

Feeding Finishers

- Feed to requirements for growth
- Provide the correct balance of Energy and Protein for efficient lean growth
- Usually 4/5 diets from 8 to 90 kg
- Adlib access – Restrict if necessary from 70kg at 85% of Voluntary Food Intake

Feed Format

- Cobs - Floor feeding outdoors or on straw
- Nuts – Convenient low dust for sow feeding
- Pellets – Palatable, Improved FCR,
- Meal – Cheap, High Dust, More wastage
- Wet – Good Performance, Needs good facilities

Feed Ingredients

- Pigs are Monogastric's
- Energy Source mainly Starch
- Compound diets formulated to precise specifications. e.g. DE, Lysine, Ca, P, Vitamins
- Highly digestible ingredients for young pigs
- Straights and By-products

Nutrient Types

Energy

Wheat

Barley

Maize

Oils

Protein

Fish Meal

Soya Bean Meal

Rape Seed Meal

Feed Ingredients

- By-products
- Dry -
 - Biscuit Meal
 - Wheat Feed
 - Coconut & Citrus meal
 - Maize Gluten
 - Palm Kernels
- Wet -
 - Whey
 - Fish Factory Waste
 - Liquid Potato Feed
 - Brewery Waste
- + Mineral & Vitamin Supplements
- + Synthetic products and additives (e.g. Lysine)

Example Diet Minimum Specifications

Stock Classification	10-15kg	15-25kg	20-50kg	50-90kg	20-90kg	Gest Sow	Lact Sow	General Sow
DE (MJ/kg)	14.75	14.5	14.0	13.0	13.5	12.5	14.0	13.0
Lysine (g/kg)	13.5	14.0	12.75	10.0	11.0	4.5	8.5	7.0
Linoleic Acid %	2.0	1.75	1.25	1.0	1.25	1.5	1.25	1.5
Crude Protein %	21	22,23	20,22	18,20	19,21	13.5,15	18,19	16,17
Na %	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
Ca %	0.75	0.7	0.6	0.5	0.6	0.7	0.85	0.8
AvPhosphorus %	0.4	0.35	0.35	0.3	0.35	0.35	0.45	0.4