



Food Animal Initiative

ENVIRONMENTS FIT FOR ANIMALS FIT FOR THEIR ENVIRONMENTS

Non-ruminants: Feeding from the range & other alternatives

Rethinking the system



Mike Gooding – Managing Director, FAI Farms Ltd



The FAI philosophy ...

**Values Lead
Sound
Independent
Evidence Based Science**

At FAI we operate a range of fully integrated, commercially viable and animal welfare focused production systems. Animal welfare and more sustainable farming is at the heart of everything we do.



To find out more about our work go to www.faifarms.co.uk

**Values Lead
Evidenced based science,
research & technology**



.... a constant learning process



Needs & Wants

“**Needs**” are what have to be met if animals are not to die and are to be kept healthy.

“**Wants**” are what the animals themselves tell us by their behaviour they want.

Usually, but not always “wants” are the way in which the animals get their “needs” fulfilled (e.g. Body will die from lack of food (food is needed) and the animal fulfils this need by wanting food).

Professor Marian Dawkins





In's & Out's

Inputs

- Feed
- Water
- Nutrients
- Energy
- Mechanisation
- 'People'



Outputs

- Nutritional components
- Environmental benefit
- 'Well being' value

.... the efficient use of resources



Limitations





FAI pigs

1. A 3E's positive system

economically viable, environmentally positive, ethical sound

2. Meets the pigs' 'wants'

3. Tails on, no tail biting

4. Mutilation free

5. No confinement, free farrowing

6. Accounts for FAI farm environmental conditions

7. Efficient use of resources





FAI pigs - feed



Simple, practical, low capital, efficient





FAI pigs - nutrition

PIG FEED			14/01/2011	TMR				
PEN	No. PIGS	Birth	TYPE	Kg /pig	KG	Total KG	EGGS	NOTES
Pen 1	13	Apr-10	Male Growers	4	52	55		Purple Group
2	10	Apr-10	Female Growers	4	40	40		Purple Group
3	22	Feb-10	Male Growers	5	110	110		Yellow group
4	18	Feb-10	Female Growers	5	90	90		Yellow group
5	16	Sep-10	Piglets	3	48	50		Pink group
6								
Family Pen 1	5 + 32	Nov-10	5 SOWS + 32 piglets	15	75	75		
Family Pen 2	6		6 sows 1 boar	6.5	45	45		
Dynamic Grp								Green+Purple Groups
Spare pen	6		Pedigree Gilts	6	36	40		

Hosp Pen 1	1		sow	15	15	15		
HP2	1		Boar	6	10	10		
HP3								

The PAD starting at Teds house end

			Trays		
			10		
Hut1	1	Sow	10	10	10
Hut2	1	Sow	10	10	10
Hut3	1	Sow	10	10	10
Hut4	1	Sow	10	10	10
Hut5	1	Sow	10	10	10
QUARANTINE					
Q1					
Q2					
Q3					
TOTAL			571	580	

TMR Mix (Kg)

54% Silage	315
30% Rolled barley	175
16% Soya Meal	90
Total	580
Minerals @ Green bags Pig	
25kg/tonne Mineral mix	15.0
Total TMR inc. minerals	595

Extra weight added by minerals allows margin for error,
Eggs = 4X eggs per piglet
One good shovelfull = approx. 4kg



FAI pigs – free farrowing



Meeting the sows 'wants'

10:0 getting the balance right



NB Not organic



FAI pigs – pen layout



**Success measured by
outcome**

**Bringing the range to the
pigs**





FAI pigs – the next steps

1. Validating the system – Brydock
www.europeanfarmersnetwork.com
2. Prioritising the variables
3. Protein in the mix – CORE II
4. Economic evaluation – the detail
5. The genetics
6. Creating the marketing opportunity





Re-learning new skills



www.faifarms.co.uk



Pigs don't like silage!

