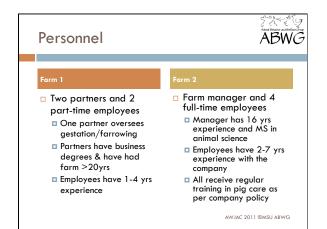
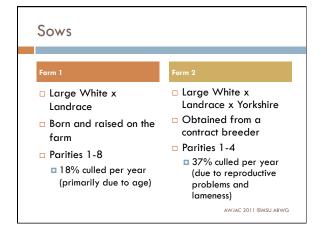


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Gestation: Farm 1

- Gestating sows are housed together in groups of 20 according to expected farrowing date
 - Gilts grouped together during gestation and farrowing
 Fed 2x/day, 2.5 kg/sow/day, in feeding stalls

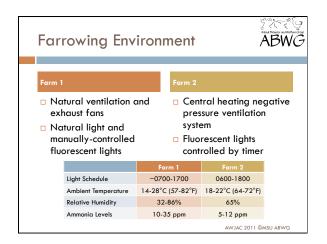


Gestation: Farm 2

- Sows are housed in individual gestation stalls
 Sows and gilts placed according to expected farrowing date to facilitate tracking and moving animals
 Fed 1x/day, 2.7 kg per sow, in individual feeders



	Farm 1	Farm 2
Length (cm)	201 ± 8.2	203 ± 6.8
Height (cm)	86.1 ± 3.1	89.2 ± 3.3
Girth (cm)	189.0 ± 6.5	188 ± 8.2
Pre-Farrow Weight (kg)	268.2 ± 38.7	275.8 ± 36.0
BCS (1-5 scale)	2.9 ± 0.3	3.1 ± 0.1
Gait Score§ (0-3 scale)	1.2 ± 0.1	1.7 ± 0.5
Lesion Score [§] (0-3 scale)	1.4 ± 1.1	0.9 ± 0.8
Aggression (% of observations)	2%	0.5%
Stereotypic Behavior (% obs.)	3.4%	22.7%
Annual Sow Mortality	8.9%	6.1%





Farrowing Environment: Farm 1

- □ Farrowing rooms = 9.2 m x 12.8 m (30.2' x 42')
 - Solid concrete floor, bedded w/wheat straw (15 cm (6"))
 2 dry feeders (3 spaces/feeder) and 2 cup drinkers located in a communal feeding and dunging area
 - 10 pens/room, each pen = 1.8 m x 2.4 m (6' x 7.9')
 Open doors allow sows to enter
 - and exit pens freely Sows move in 4 days
 - before earliest expected farrowing date
 - All sows in a room were housed together during gestation
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Farrowing Environment: Farm 1

- □ Sows select their own farrowing pens
- Pens are bedded before sow entry, no additional bedding is added
- Pens do not have anti-crush rails, supplemental heating or creep areas

Roller

 After farrowing, a roller is installed at the bottom of each pen door (40 cm (16") above floor) to prevent young piglets from leaving the pen



Farrowing Environment: Farm 2

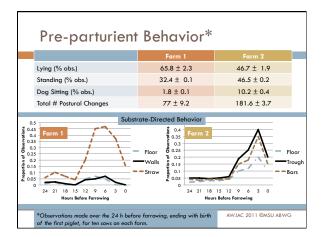
- Sows are placed in crates in order of expected farrowing date
- $\hfill\square$ No bedding is provided in the crates
- Crates have anti-crush rails that delineate creep areas (0.45 m/side of



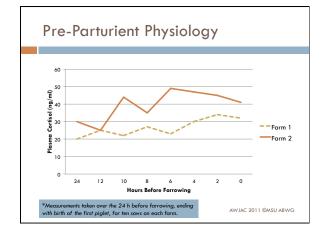
 One creep area in each crate contains a heating mat

crate (18"/side))











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	Farm 1	Farm 2
Rooting or Nest Building (# obs.)	1.4 ± 0.1	4.4 ± 1.2
Stereotypic Behavior (# obs.)	0 ± 0.2	6.9 ± 1.7
Total # Postural Changes	11.2 ± 3.4	37.8 ± 6.5
Time from Birth of 1st to Last (h)	3.5 ± 1.6	5.0 ± 2.8
Interval between Births (min)	17.8 ± 0.9	32.6 ± 1.4
Piglets Farrowed while Standing or Sitting (%)	3.1 ± 0.5	4.7 ± 0.6
Sniffing Piglets (# obs.)	24.7 ± 5.6	9.2 ± 2.3
Sow Nose to Piglet Nose (# obs.)	29.3 ± 2.3	10.4 ± 2.2

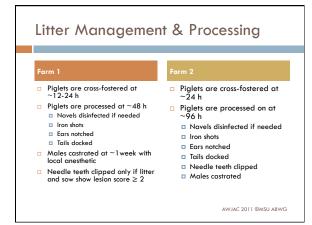
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	Farm 1	Farm 2
Time to First Udder Contact (min)	13.9 ± 2.3	11.0 ± 1.1
Time to First Teat Contact (min)	19.5 ± 2.5	18.1 ± 2.2
Time to First Suckling (min)	46.0 ± 5.6	42.2 ± 3.7
Fights at Teats (# obs.)	3.8 ± 1.9	4.1 ± 2.0
Piglets Resting in Contact w/Sow (% obs.)	23.2 ± 3.4	15.6 ± 2.5
Piglets Resting away from Sow (% obs.)	36.7 ± 4.2	47.3 ± 5.1



	Farm 1	Farm 2
# Piglets Born Alive	11.7 ± 2.9	11.6 ± 2.7
# Stillborn	0.7 ± 0.1	0.8 ± 0.1
Piglet Birth Weight (kg)	1.59 ± 0.05	1.67 ± 0.04
Piglet Mortality Rate* (%)	14.7 ± 2.2	8.5 ± 4.5
Sow Mortality Rate* (%)	1.9 ± 2.5	1.4 ± 1.3
Udder Lesion Score§ (0-3 scale)	1.7 ± 0.9	0.3 ± 0.1
Piglets Lesions [§] (0-3 scale)	1.1 ± 1.0	0.5 ± 0.2
Piglet Morbidity Rate* (%)	9.2 ± 4.6	12.4 ± 3.8
Sow Morbidity Rate* (%)	2.8 ± 0.8	3.2 ± 0.9





Week 1: Farm 1

- On day 3, piglets manipulate straw and play
- By day 7, piglets sample sow's feed
- At day 7, piglets are able to climb out of the pen and mix with other litters
- Very little aggression is observed (btw sows or piglets)
 Piglets try to suckle other sows
- Sows and piglets often lie in contact with each other

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Week 1: Farm 2

- On day 3, piglets play and try to manipulate items in the crate, the sow and each other
- By day 6, piglets sample water from sows' drinkers
- Piglets often lie in contact with each other on the heating mat





