A Dream?

30 piglets per sow per year?
30 Piglets Sold per Sow per Year

- Number of Piglets Born per Litter?
- Number of Piglets Born Alive per Litter?
- Number Weaned per Litter?
- Number of Litters per Sow per Year?
### 30 Pigs Sold per Sow

<table>
<thead>
<tr>
<th>Item</th>
<th>Value</th>
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</thead>
<tbody>
<tr>
<td>Farrowing Rate</td>
<td>88</td>
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<tr>
<td>Born Alive per Litter</td>
<td>14.50</td>
</tr>
<tr>
<td>Pre-weaning Mortality %</td>
<td>8.00</td>
</tr>
<tr>
<td>Litter Size at Weaning</td>
<td>13.34</td>
</tr>
<tr>
<td>Weaning Age (days)</td>
<td>27.00</td>
</tr>
<tr>
<td>Litters per Sow per Year</td>
<td>2.35</td>
</tr>
<tr>
<td>Post weaning Mortality</td>
<td>4.00</td>
</tr>
<tr>
<td>Pigs Sold per Sow per Year</td>
<td>30.09</td>
</tr>
</tbody>
</table>
Production by Parity

Parity Analysis

- Parity 1
- Parity 2
- Parity 3
- Parity 4
- Parity 5
- Parity 6
- Parity 7

Legend:
- Farm 1
- Column 1
- Column 2
### Impact of Parity Distribution

**Parity Analysis**

<table>
<thead>
<tr>
<th>Parity</th>
<th>No Born</th>
<th>% Herd</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>12.75</td>
<td>25</td>
<td>3.188</td>
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<tr>
<td>2</td>
<td>14.25</td>
<td>22</td>
<td>3.125</td>
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<td>3</td>
<td>15.40</td>
<td>15</td>
<td>2.310</td>
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<td>4</td>
<td>16.00</td>
<td>15</td>
<td>2.400</td>
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<td>5</td>
<td>16.00</td>
<td>10</td>
<td>1.600</td>
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<tr>
<td>6</td>
<td>15.75</td>
<td>8</td>
<td>1.220</td>
</tr>
<tr>
<td>7</td>
<td>14.00</td>
<td>5</td>
<td>0.700</td>
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<tr>
<td><strong>Average</strong></td>
<td><strong>14.54</strong></td>
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</tbody>
</table>
# Impact of Parity Distribution

## Parity Analysis

<table>
<thead>
<tr>
<th>Parity</th>
<th>No Born</th>
<th>% Herd</th>
<th>Parity Analysis</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>12.75</td>
<td>20</td>
<td>2.550</td>
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<tr>
<td>2</td>
<td>14.25</td>
<td>19</td>
<td>2.708</td>
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<td>3</td>
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<td>18</td>
<td>2.773</td>
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<td>16.00</td>
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<td>15.75</td>
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<td>7</td>
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<tr>
<td>Average</td>
<td></td>
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<td><strong>14.87</strong></td>
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Gilt Management

Mate at first, second or third oestrus?
Home bred or purchased?
Life-time Litters per Average Sow?
Herd age profile?
What replacement rate?
Influence of One-Day or Conventional Flushing on Ovulation Rate and Litter Size at 28 Days Gestation in Gilts.

C. Pat Moore, R.H. Dutt, V.W. Hays, G.L. Cromwell.

Reproductive performance of pregnant gilts in the 3 treatment groups at 28-days of gestation.

<table>
<thead>
<tr>
<th>Duration of the treatment flushing</th>
<th>No. of corpora lutes</th>
<th>No. of embryos</th>
<th>No. of live embryos</th>
</tr>
</thead>
<tbody>
<tr>
<td>Control</td>
<td>13.8</td>
<td>11.3</td>
<td>10.9 (79%)</td>
</tr>
<tr>
<td>1 day flush</td>
<td>14.2</td>
<td>11.8</td>
<td>11.3 (79.6%)</td>
</tr>
<tr>
<td>14 day flush</td>
<td>15.7</td>
<td>13.5</td>
<td>13.0 (82.8%)</td>
</tr>
</tbody>
</table>

2.27 kg per day post service
Reproductive performance of pregnant gilts in the 3 treatment groups at 28-days of gestation.

<table>
<thead>
<tr>
<th>Duration of the treatment flushing</th>
<th>Ova loss (%)</th>
<th>Average crown-rump length of live embryos (mm)</th>
<th>Average weight of live embryos (g)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Control</td>
<td>13.8</td>
<td>11.3</td>
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<td>13.0 (82.8%)</td>
</tr>
</tbody>
</table>
Flushing Requires

- Synchronised Oestrus
- All gilts in oestrus within 5-7 days
- Boar/Sow Stimulation
- Transportation
- Hormone Treatment
- Body Composition
Effects of Feeding Pattern in Gestation on Subsequent Numbers Born

P. Cottney, E. Ball, E. Magowan, W. Henry.

BSAS (2011), Unpublished

106 Multi-parous Sows
## Effect of Pregnancy Feeding Pattern on Subsequent Litter Size

<table>
<thead>
<tr>
<th>Feed level (kg)</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
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</thead>
<tbody>
<tr>
<td>Day 4-5</td>
<td></td>
<td></td>
<td>2.1</td>
<td></td>
</tr>
<tr>
<td>Day 6-28</td>
<td></td>
<td></td>
<td>2.1</td>
<td></td>
</tr>
<tr>
<td>Day 29-85</td>
<td></td>
<td></td>
<td></td>
<td>2.6</td>
</tr>
<tr>
<td>Day 86-106</td>
<td></td>
<td></td>
<td></td>
<td>3.2</td>
</tr>
<tr>
<td>Total feed</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Effect of Pregnancy Feeding Pattern on Subsequent Litter Size

<table>
<thead>
<tr>
<th>Feed level (kg)</th>
<th>Treatment</th>
</tr>
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<tbody>
<tr>
<td></td>
<td>1</td>
</tr>
<tr>
<td>Day 4-5</td>
<td>2.4</td>
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<tr>
<td>Day 6-28</td>
<td>2.4</td>
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<tr>
<td>Day 29-85</td>
<td>2.4</td>
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<tr>
<td>Day 86-106</td>
<td>3.2</td>
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<tr>
<td>Total feed</td>
<td></td>
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</table>
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<table>
<thead>
<tr>
<th>Feed level (kg)</th>
<th>Treatment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Day 4-5</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>2.7</td>
</tr>
<tr>
<td>Day 6-28</td>
<td>2.7</td>
</tr>
<tr>
<td>Day 29-85</td>
<td>2.3</td>
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<tr>
<td>Day 86-106</td>
<td>3.2</td>
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<tr>
<td>Total feed</td>
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### Effect of Pregnancy Feeding Pattern on Subsequent Litter Size

<table>
<thead>
<tr>
<th>Feed level (kg)</th>
<th>Treatment</th>
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</thead>
<tbody>
<tr>
<td>Day 4-5</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>2.0</td>
</tr>
<tr>
<td>Day 6-28</td>
<td>2.7</td>
</tr>
<tr>
<td>Day 29-85</td>
<td>2.3</td>
</tr>
<tr>
<td>Day 86-106</td>
<td>3.2</td>
</tr>
<tr>
<td>Total feed</td>
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</tr>
</tbody>
</table>

**Treatment Levels:**
- **1:** Treatment 1
- **2:** Treatment 2
- **3:** Treatment 3
- **4:** Treatment 4
## Effect of Pregnancy Feeding Pattern on Subsequent Litter Size

<table>
<thead>
<tr>
<th>Feed level (kg)</th>
<th>Treatment</th>
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<td></td>
<td>1</td>
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<tr>
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<tr>
<td>Day 6-28</td>
<td>2.7</td>
</tr>
<tr>
<td>Day 29-85</td>
<td>2.3</td>
</tr>
<tr>
<td>Day 86-106</td>
<td>3.2</td>
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<tr>
<td>Total feed</td>
<td>262.6</td>
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</table>
## Effect of Pregnancy Feeding Pattern on Subsequent Litter Size

<table>
<thead>
<tr>
<th></th>
<th>Treatment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Feed level (kg)</td>
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</tr>
<tr>
<td>Day 4-5</td>
<td>1</td>
</tr>
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<td></td>
<td>2.0</td>
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<tr>
<td>Day 6-28</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>2.7</td>
</tr>
<tr>
<td>Day 29-85</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>2.4</td>
</tr>
<tr>
<td>Day 86-106</td>
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<td></td>
<td>2.1</td>
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<td>Total born</td>
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<td></td>
<td>14.64</td>
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<td>14.51</td>
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<td></td>
<td>16.13</td>
</tr>
<tr>
<td></td>
<td>15.84</td>
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</tbody>
</table>
Thank you