

図1 A農場外観



図2 A農場見取図

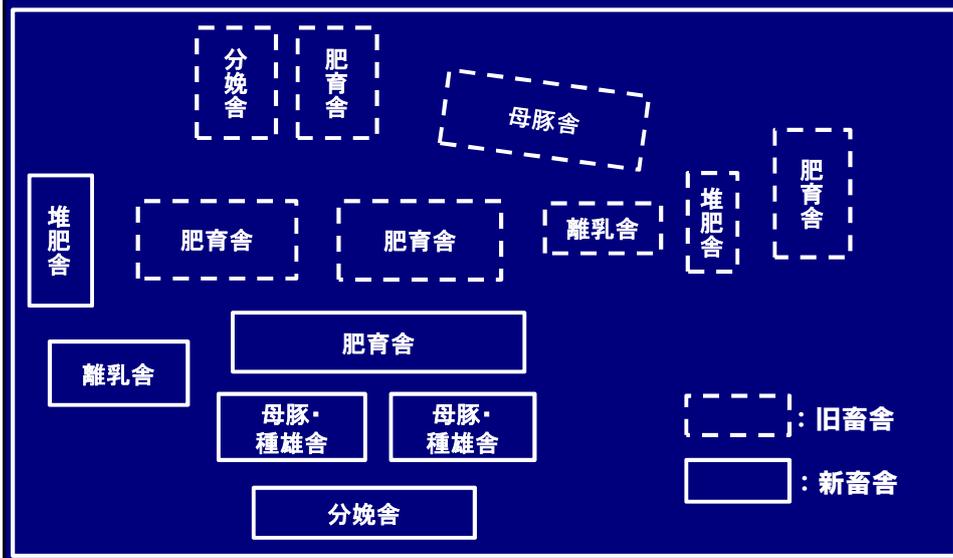


表1 伝染性疾病に関する抗体検査

|      | H26.6 | H26.9 | H26.12 | H27.1 | H27.6 | H27.9 |
|------|-------|-------|--------|-------|-------|-------|
| AD   | —     |       | —      | —     | —     | —     |
| 豚丹毒  | —     |       | —      | —     | —     | —     |
| PED  | —     | —     | —      | —     | —     | —     |
| TGE  |       |       | —      |       |       |       |
| PRRS | —     | —     | —      |       |       |       |
| 豚コレラ |       |       | —      | —     |       |       |

図3 畜舎内温度



图4 畜舍内湿度

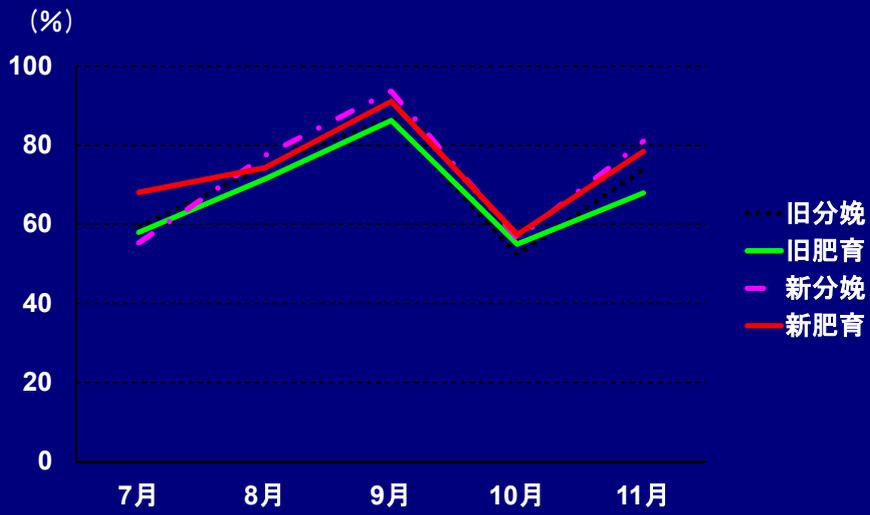


图5 畜舍内风速

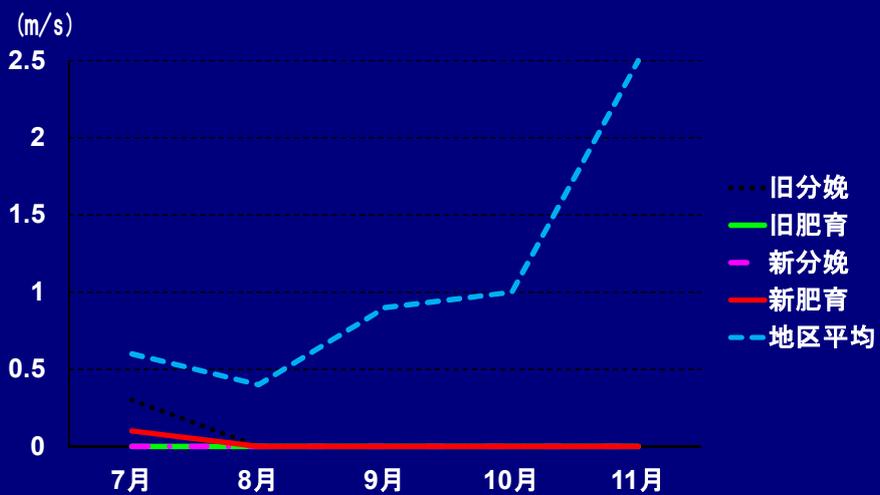


図6 熱量指数

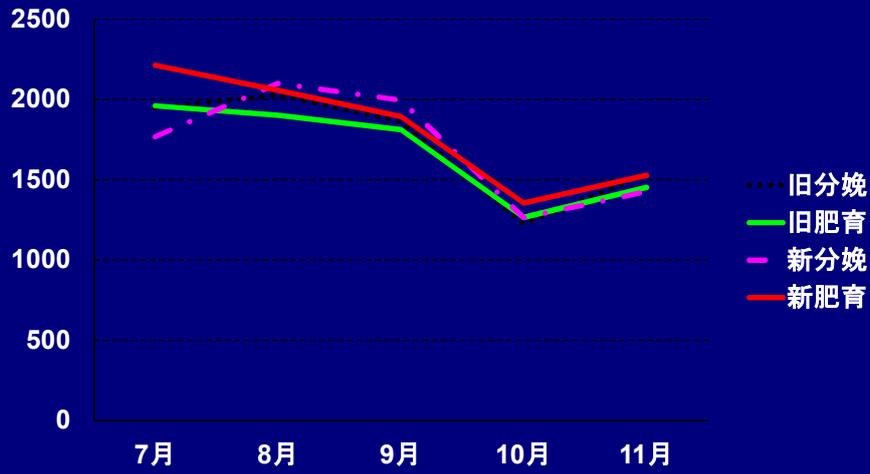


図7 アンモニア濃度

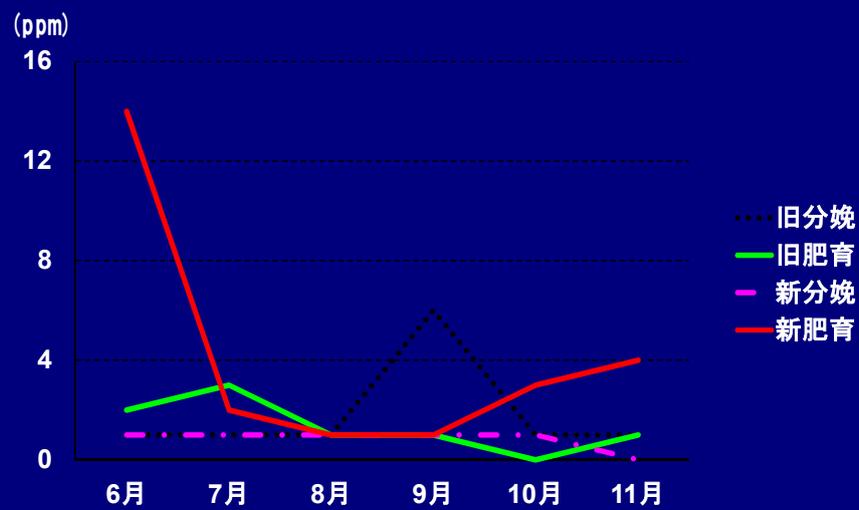


図8 発酵床水分含量

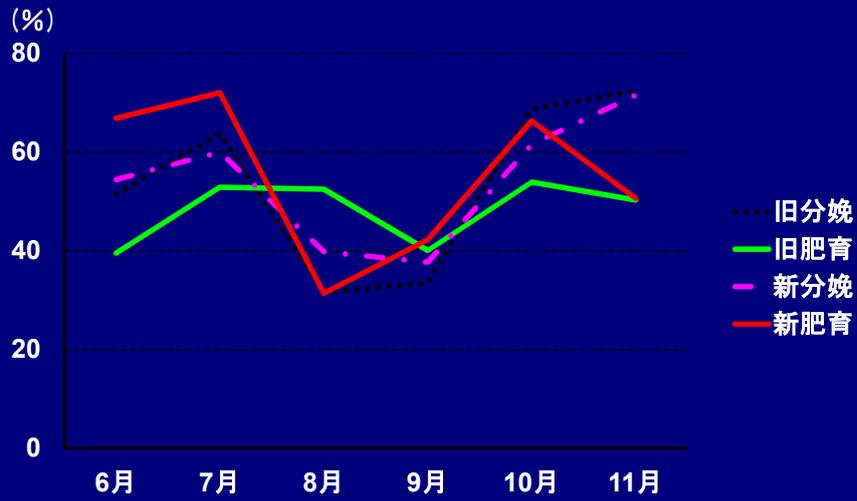


図9 発酵床温度(10cm)

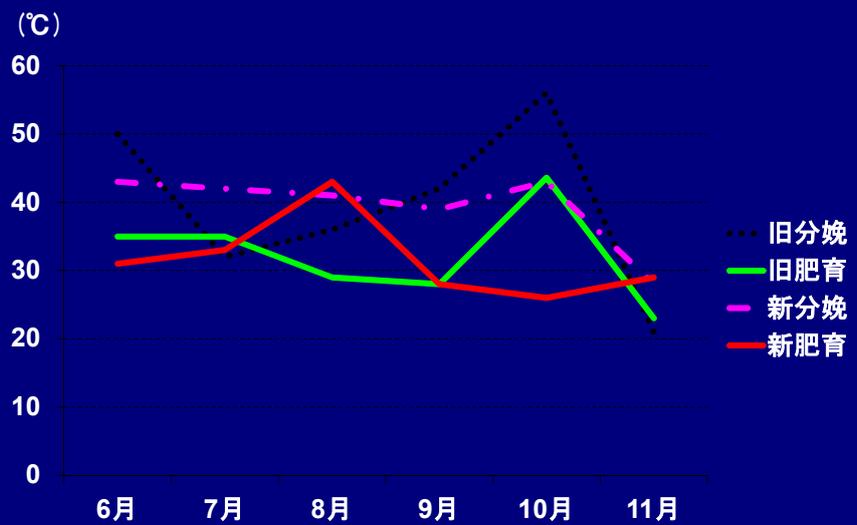


図10 発酵床温度(30cm)

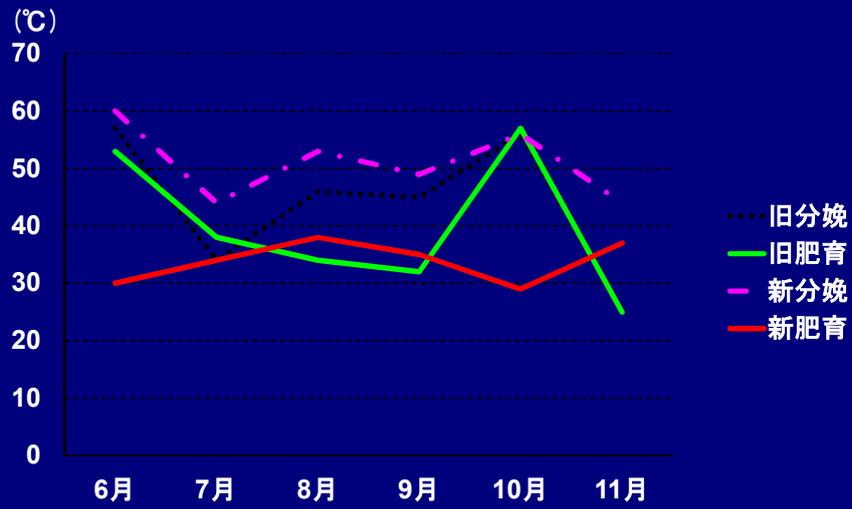


表2 発酵床寄生虫検査(鞭虫卵)

|     | 6月 | 7月 | 8月 | 9月 | 10月 | 11月 |
|-----|----|----|----|----|-----|-----|
| 旧分娩 | -  | -  | +  | +  | -   | +   |
| 旧肥育 | -  | -  | -  | -  | -   | +   |
| 新分娩 | -  | -  | +  | -  | -   | +   |
| 新肥育 | -  | -  | -  | -  | +   | -   |

**表3 エコフィード中養分含量および充足率**

|              | ほ乳期         |             | 離乳後         |             | 肥育期         |             | 母豚用         |             |
|--------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
|              | 含量          | 充足率(%)      | 含量          | 充足率(%)      | 含量          | 充足率(%)      | 含量          | 充足率(%)      |
| DE (Mcal/kg) | 3.57        | 0.92        | 3.22        | 0.95        | 3.20        | 0.97        | 3.20        | 1.04        |
| CP (%)       | 13.7        | <b>0.57</b> | 9.6         | <b>0.56</b> | 11.6        | <b>0.75</b> | 11.6        | <b>0.93</b> |
| リジン (%)      | 0.57        | <b>0.42</b> | 0.34        | <b>0.34</b> | 0.53        | <b>0.62</b> | 0.53        | 1.03        |
| P (%)        | 0.34        | <b>0.62</b> | 0.26        | <b>0.87</b> | 0.36        | 1.33        | 0.36        | <b>0.80</b> |
| Ca (%)       | 0.27        | <b>0.30</b> | 0.19        | <b>0.29</b> | 0.14        | <b>0.23</b> | 0.14        | <b>0.19</b> |
| Ca/P比        | <b>0.79</b> |             | <b>0.73</b> |             | <b>0.39</b> |             | <b>0.39</b> |             |

**表4 母豚血液生化学的検査**

|                | H24.10             | H25.3             | H26.12           | H27.6            | H27.9            |
|----------------|--------------------|-------------------|------------------|------------------|------------------|
| Glu (mg/dl)    | <b>66.7</b> ± 19.5 | 71.7 ± 5.5        | 79.7 ± 8.1       | 87.2 ± 7.0       | 73.8 ± 9.6       |
| T-Chol (mg/dl) | 78.1 ± 29.2        | <b>69.3</b> ± 7.8 | 122.0 ± 17.3     | 114.5 ± 18.3     | 122.6 ± 37.8     |
| TP (g/dl)      | 7.2 ± 0.6          | <b>6.9</b> ± 0.4  | <b>6.4</b> ± 0.8 | <b>6.4</b> ± 0.8 | <b>6.3</b> ± 0.5 |
| Alb (g/dl)     | <b>3.8</b> ± 0.3   | <b>3.6</b> ± 0.2  | <b>3.4</b> ± 0.3 | <b>3.2</b> ± 0.4 | <b>2.9</b> ± 0.3 |
| GOT (IU/dl)    | 63.4 ± 71.8        | 15.3 ± 9.2        | 21.0 ± 7.1       | 53.6 ± 66.9      | 23.7 ± 14.3      |
| VitA (IU/dl)   | <b>51.7</b> ± 35.4 | 82.3 ± 3.7        | —                | 88.3 ± 23.9      | 75.5 ± 17.4      |
| VitE (μg/dl)   | 101.8 ± 52.4       | 154.1 ± 19.1      | —                | 201.7 ± 94.9     | 248.6 ± 120.1    |
| Ca (mg/dl)     | 11.0 ± 0.7         | 9.9 ± 0.7         | 10.8 ± 1.2       | 10.9 ± 0.9       | 10.2 ± 0.4       |
| IP (mg/dl)     | —                  | —                 | —                | <b>6.2</b> ± 1.1 | <b>5.6</b> ± 0.6 |

平均値 ± 標準偏差 n = 10

### 表5 肥育豚血液生化学的検査

|                   | H27.6               | H27.9             |
|-------------------|---------------------|-------------------|
| Glu<br>(mg/dl)    | 82.1 ± 16.5         | 87.6 ± 12.2       |
| T-Chol<br>(mg/dl) | 132.3 ± 21.7        | 124.3 ± 12.2      |
| TP<br>(g/dl)      | <b>6.8</b> ± 0.8    | <b>4.7</b> ± 0.4  |
| Alb<br>(g/dl)     | <b>2.7</b> ± 0.5    | <b>1.8</b> ± 0.2  |
| GOT<br>(IU/dl)    | <b>87.0</b> ± 118.0 | 31.7 ± 16.0       |
| VitA<br>(IU/dl)   | 48.6 ± 16.3         | 55.1 ± 9.8        |
| VitE<br>(μg/dl)   | 134.5 ± 54.3        | <b>35.6</b> ± 7.6 |
| Ca<br>(mg/dl)     | 11.4 ± 0.5          | 10.0 ± 0.7        |
| IP<br>(mg/dl)     | <b>6.8</b> ± 0.9    | <b>6.7</b> ± 0.4  |

平均値±標準偏差 n = 10

### 表6 出荷・繁殖成績

|                      | H23         | H24         | H25         | H26         | H27         | 全国平均<br>※   |
|----------------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 年間出荷頭数(頭)            | 948         | 843         | 640         | 601         | 696         | —           |
| 母豚1頭あたり<br>年間出荷頭数(頭) | <b>12.6</b> | <b>12.2</b> | <b>9.7</b>  | <b>9.5</b>  | <b>8.8</b>  | <b>18.3</b> |
| 離乳率(%)               | 90.2        | <b>76.8</b> | <b>70.1</b> | 88.0        | <b>83.6</b> | <b>89.3</b> |
| 母豚1頭あたり<br>年間離乳頭数(頭) | <b>15.7</b> | <b>13.7</b> | <b>11.3</b> | <b>13.3</b> | <b>14.5</b> | <b>21.1</b> |
| 肥育豚育成率(%)            | <b>80.3</b> | 88.6        | <b>85.4</b> | <b>71.4</b> | <b>60.8</b> | <b>90.4</b> |
| 年間分娩回数(回)            | <b>1.9</b>  | 2.0         | <b>1.8</b>  | <b>1.8</b>  | <b>1.8</b>  | <b>2.2</b>  |