

# Breeding Pig Auction in Taiwan

When  
Where  
What  
How



Ming-Che WU 2015/01/11

1

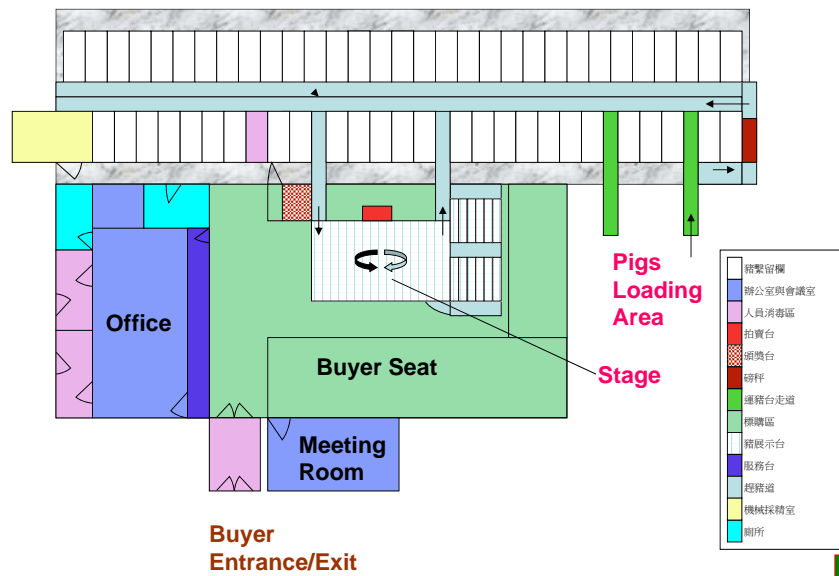
# Outline

1. Facility Layout
2. Hygiene Control
3. Trait Requirements
4. Body Conformation Contest
5. Auction
6. After Auction



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## Facility Layout for Breeding Pig Auction



3

## Hygiene Control

Buyer

Car & Pigs



Sanitation

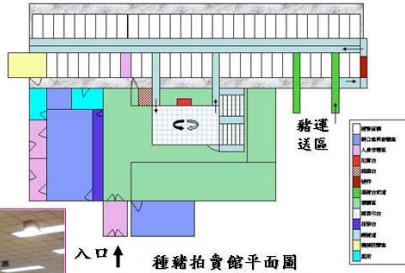


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# Breeding Pig Auction

畜試所種豬拍賣館使用月份

|            |   |   |   |   |   |   |   |   |   |   |   |   |
|------------|---|---|---|---|---|---|---|---|---|---|---|---|
| 2015<br>年月 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 1 | 1 | 1 |
| 檢定<br>站    | ● | ● | ● | ● | ● | ● | ● | ● | ● | 0 | 1 | 2 |
| 種豬<br>協會   | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |



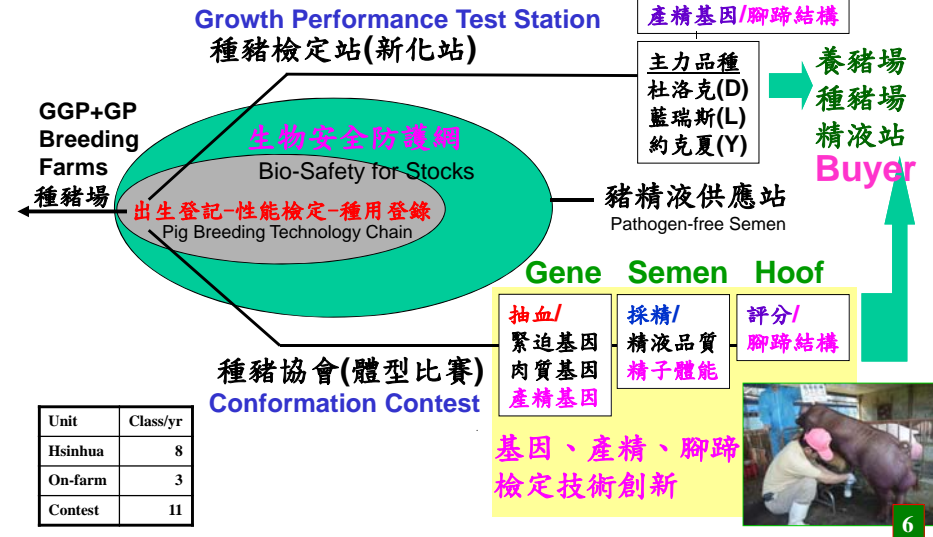
種豬協會比賽會種豬拍賣實境



種豬拍賣館座位電子加價器

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# Breeding Stock Auction Networking



| Unit    | Class/yr |
|---------|----------|
| Hsinhua | 8        |
| On-farm | 3        |
| Contest | 11       |

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Farmer Association of pig breeders set four major events on March 3rd, June 6th, September 9th, and December 12th and so call “**Double Number 33, 66, 99, 1212 Auction**” for body conformation contest of pubertal pigs in the morning and then auction them in the afternoon since 1978.

## Requirements of Pigs for Conformation Contest

|             | Day of Age     | Body Weight (kg) |
|-------------|----------------|------------------|
| <b>Boar</b> | <b>240~300</b> | <b>150~185</b>   |
| <b>Gilt</b> | <b>200~250</b> | <b>110~160</b>   |

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| Breeder | Photo    | Breed | Ear Notch (Photo) | Gender | Sire   |        | Dam    |        | Birth Date | Age (Day) | Test (L/R) | Genotype |     |            |       |       | Semen Production |          |                             |                   |
|---------|----------|-------|-------------------|--------|--------|--------|--------|--------|------------|-----------|------------|----------|-----|------------|-------|-------|------------------|----------|-----------------------------|-------------------|
|         |          |       |                   |        | Name   | RegNo. | Name   | RegNo. |            |           |            | PSS      | ESR | HFABP      | IGF27 | IGF23 | PRLR             | Vol (mL) | Total Sperm Count (billion) | Penis Length (cm) |
| Fortune | D1246-03 | D     | 1246-03           | M      | yu her | 195029 | hao gu | 206827 | 2013/02/27 | 370       | 7/7        | AA       | NN  | HH6(HH6sd) | GG    | QQ    | LP               | 174      | 78.3                        | 30                |

Elite Boar D1246-03 Breeder: Fortune



Magnify Publish Style Weight and Backfat (by Index) Semen Trait Group Photo Auction Facts (by Breed, Gender and Year) Elite Boar First Prize (Award)

Formosan Farmers' Association for Swine Improvement [Term: 0302 Date: 2014/03/3 Location: Hsinhua]

| No. | Price (NT\$) | Body Type* (Rank) | Index (Rank) | EAG Index | Breed (Video) | Ear Notch | M/F | Total Sperm Count (billion) | Sire           |          | Dam     |            | Birth Date | Age (Day) | Body Wt (kg) | Test (L/R) | Backfat Thick. (cm) | Genotype |     |       |       |       | Breeder   |             |
|-----|--------------|-------------------|--------------|-----------|---------------|-----------|-----|-----------------------------|----------------|----------|---------|------------|------------|-----------|--------------|------------|---------------------|----------|-----|-------|-------|-------|-----------|-------------|
|     |              |                   |              |           |               |           |     |                             | Name           | RegNo.   | Name    | RegNo.     |            |           |              |            |                     | PSS      | ESR | HFABP | IGF27 | IGF23 |           | PRLR        |
| 1   | 17,000       |                   | 1            | 122       | L             | 1752-12   | F   | he xian                     | 197574         | hao ju   | 209105  | 2013/07/18 | 229        | 160       | 7/8          | 1.40       | AA                  | NN       | HL4 | FF    | QQ    | LL    | Fortune   |             |
| 2   | 26,000       |                   | 4            | 127       | D             | 0791-01   | M   | fu wei                      | 203635         | du feng  | 191689  | 2013/05/16 | 292        | 168       | 7/7          | 1.40       | AA                  | NN       | HH6 | GG    | QQ    | LL    | Huan Cha  |             |
| 3   | 29,000       |                   | 16           | 92        | D             | 0832-07   | M   | 75 8                        | jin cheng dian | 202301   | you lin | 201939     | 2013/05/26 | 282       | 187          | 7/7        | 1.80                | AA       | NN  | HH6   | FF    | QQ    | LP        | Wang WenQin |
| 4   | 16,000       |                   | 15           | 81        | L             | 1520-02   | F   | chao si                     | 203929         | pin rong | 193801  | 2013/07/05 | 242        | 137       | 7/7          | 1.53       | AA                  | NN       | LL2 | FF    | QQ    | LL    | Chu Huang |             |
| 5   | 33,000       |                   | 5            | 122       | D             | 0359-04   | M   | 81 0                        | yang long      | 195931   | hua hu  | 205968     | 2013/05/27 | 281       | 172          | 6/7        | 1.47                | AA       | NN  | HH6   | FF    | QQ    | LP        | Hwei Huang  |
| 6   | 12,000       |                   | 6            | 110       | L             | 1716-03   | F   | yu sheng                    | 200754         |          |         | 2013/06/30 | 247        | 132       | 7/7          | 1.27       | AA                  | NN       | LL2 | FQ    | QQ    | LL    | King Sang |             |
| 7   | 27,000       |                   | 14           | 101       | D             | 0604-06   | M   | 37.5                        | xing jun       | 202206   | fu qian | 207538     | 2013/05/20 | 288       | 168          | 6/7        | 1.60                | AA       | NN  | HH6   | FQ    | QQ    | LP        | Shou Po     |

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| Elite Boar |        |        |        |        |            |           |            |          |     |             |       |       |      |                  |                             |                   |
|------------|--------|--------|--------|--------|------------|-----------|------------|----------|-----|-------------|-------|-------|------|------------------|-----------------------------|-------------------|
| Gender     | Sire   |        | Dam    |        | Birth Date | Age (Day) | Teat (L/R) | Genotype |     |             |       |       |      | Semen Production |                             |                   |
|            | Name   | RegNo. | Name   | RegNo. |            |           |            | PSS      | ESR | HFABP       | IGF27 | IGF23 | PRLR | Vol (mL)         | Total Sperm Count (billion) | Penis Length (cm) |
| M          | yi her | 195029 | tao gu | 206827 | 2013/02/27 | 370       | 7/7        | AA       | NN  | HH6(HHaadd) | GG    | QQ    | LP   | 174              | 78.3                        | 30                |

D1246-03  
ortune

|                      |                               |             |             |   |            |                     |
|----------------------|-------------------------------|-------------|-------------|---|------------|---------------------|
| ish Style formation) | Weight and Backfat (by Index) | Semen Trait | Group Photo | Auction Facts (by Breed, Gender and Year) | Elite Boar | First Prize (Award) |
|----------------------|-------------------------------|-------------|-------------|---|------------|---------------------|

Formosan Farmers Association for Swine Improvement  
【Term: 0302 Date: 2014/3/3 Location: HsinHua】

## Boar Trait Sheet

Sperm Quality Sheet of Boar at 9 Month Old (Query Date : 2015/1/7)

| Breed Ear No | Birth Date | Breeding Pig Farm |
|--------------|------------|-------------------|
| D0745-02     | 2014/2/7   | Shui Po           |

|                   |                  |                               |                                   |
|-------------------|------------------|-------------------------------|-----------------------------------|
| FSS Genotype      | ESR Genotype     | Meat Quality Genotype         | IGF27-F/G Genotype                |
| AA                | NN               | HH6(HHaadd)                   | FF                                |
| Collection Date   |                  | Collection Age, Days          |                                   |
| 2014/1/15         |                  | 271                           |                                   |
| Mourning Desire   | Penis Appearance | Penis Length(cm)              | Hind Leg Strength                 |
| High              | 正紫               | 25                            | Normal                            |
| Semen Volume (mL) | Semen Color      | Sperm Activity (90+++ Active) | Sperm Conc. Level (+++ Thickness) |
| 150               | Milk White       | 90+++                         | +++                               |

|       |       |       |        |       |       |       |      |
|-------|-------|-------|--------|-------|-------|-------|------|
| V75G  | A40G  | M30B  | CS00B  | CH90B | SC95G | OX90B | B0   |
| (+74) | (+39) | (+31) | (+501) | (+91) | (+94) | (+91) | (+1) |
| 91    | 52    | 18    | 351    | 69    | 98    | 2     | 0.42 |

### Sperm Quality Assay:

- Measuring key physiological functions for insights into the fertilisation potential of semen and/or its genitor
1. V75G **Viability** - Indicator of the sperm membrane integrity as percentage of viable spermatozoa
  2. A40G **Viability & Acrosome integrity** - Indicator of the acrosome integrity and it is essential for fertilization
  3. M30B **MitoPotential** - Indicator of the mitochondrial status to show the integrity of the mitochondria
  - 4&5. CS00B & CH90B **Calcium level** - Indicator of the level of Ca in the sperm head - One of the signs of capacitation of sperm
  6. SC95G **DNA fragmentation & DNA TUNEL assay** - Indicator of the condensation of the DNA structure
  7. OX90B **Oxidation level** - Indicator of intracellular level of reactive oxygen species needed for sperm function but that are harmful at a high level
  8. B0 **Bacterial count** - Total bacterial count

Formosan Farmers Association for Swine Improvement  
【Term: 0302 Date: 2014/3/3 Location: HsinHua】

| No. | Price (NT\$) | Body Type*(Rank) | Index (Rank) | BAG Index | Breed (Video) | Ear Notch | M/F | Total Sperm Count (billion) | Sire       |        | Dam      |        | Birth Date | Age (Day) | Body Wt (Kg) | Teat (L/R) | Backfat Thick (cm) |
|-----|--------------|------------------|--------------|-----------|---------------|-----------|-----|-----------------------------|------------|--------|----------|--------|------------|-----------|--------------|------------|--------------------|
|     |              |                  |              |           |               |           |     |                             | Name       | RegNo. | Name     | RegNo. |            |           |              |            |                    |
| 15  | 40,000       |                  | 17           | 80        | D             | 0815-11   | M   | 61.7                        | xing xian  | 209150 | tai hua  | 207596 | 2013/05/23 | 285       | 172          | 6/7        | 1.80               |
| 16  | 44,000       |                  | 1            | 136       | L             | 0667-11   | M   | 82.2                        | jia zheng  | 206762 | ya jun   | 203115 | 2013/05/28 | 280       | 173          | 8/7        | 1.40               |
| 17  | 15,000       |                  | 1            | 103       | Y             | 1005-11   | F   |                             | - wang jun | 209782 | hu jia   | 198022 | 2013/07/13 | 234       | 150          | 8/8        | 1.53               |
| 18  | 91,000       | 3                | 15           | 94        | D             | 0813-09   | M   | 72.4                        | jin pin    | 205961 | su jing  | 202087 | 2013/05/19 | 289       | 190          | 6/6        | 1.80               |
| 19  | 15,000       | 3                | 7            | 108       | L             | 1741-12   | F   |                             | - he xian  | 197574 | rong ya  | 209739 | 2013/06/28 | 249       | 160          | 7/7        | 1.47               |
| 20  | 91,000       | PSmQA            |              | 137       | D             | 1286-01   | M   | 101.4                       | xiong zan  | 203636 | tao wa   | 205460 | 2013/03/26 | 343       | 197          | 7/7        | 1.47               |
| 21  | 59,000       | 2                | 1            | 146       | D             | 1351-06   | M   | 105.7                       | shan hong  | 204519 | rong hui | 210799 | 2013/05/09 | 299       | 190          | 7/7        | 1.40               |
| 22  | 17,000       | 2                | 14           | 82        | L             | 0541-01   | F   |                             | - hong jun | 208970 | ya hong  | 201788 | 2013/07/06 | 241       | 157          | 7/7        | 1.67               |
| 23  | 28,000       | 3                | 13           | 105       | D             | 0416-11   | M   | 66.8                        | ming feng  | 203479 | xin nu   | 203124 | 2013/05/12 | 296       | 185          | 7/6        | 1.67               |
| 24  | 20,000       | 2                | 5            | 88        | L             | 0512-11   | M   | 70.3                        | bo jie     | 198260 | ying yi  | 208982 | 2013/05/16 | 292       | 190          | 8/7        | 1.87               |
| 25  | 19,000       | 3                | 12           | 89        | L             | 0542-01   | F   |                             | - jia you  | 206086 | yu qing  | 198270 | 2013/07/10 | 237       | 137          | 8/8        | 1.47               |

## Boar Price-sold (NT\$/hd)

