

The possible pathogen in the semen

Bacteria Fou	ınd in Boar Semen* 💦 🔪 N		
Common	Infrequent		
Staphylococcus spp. Pseudomonas spp. Escherichia spp. Klebsiella spp. Citrobacter spp. Micrococcus spp. Eubacterium spp.	Corynebacterium spp. Streptococcus spp. Proteus spp. Bacillus spp. Enterobacter spp. Aerobacter spp. Bordetella spp. Mycoplasma spp.		
Viruses Fou	nd in Boar Semen*		
Common	Infrequent		
Adenovirus African swine fever** Classical swine fever virus** Cytomegalovirus Enteroviruses Foot-and-mouth disease virus Japanese encephalitis virus	Pseudorabies virus** Porcine parvovirus** Porcine reproductive respiratory syndrome virus** Reovirus Swine vesicular disease virus Transmissible genital papilloma virus		

https://www.extension.org/pages/27260/biosecurity-and-health-assurance-at-a-boar-stud#.VAPqiWSSyOc

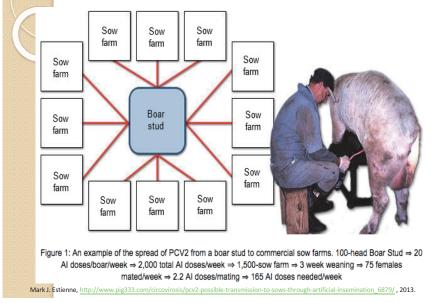
<u>The advantages of using boar</u> <u>semen from SPF AI station</u>





- > Reduced virus and disease transmission.
- > Good semen quality can provide stable production.
- > Improving efficiency of the breeding herd.
- > Easier genetic gain and rapid improvement.
- > Saving time and money for farmers and the government.
- > Better and safe working environment.

The advantages of using boar semen from Certificated AI station





Farm Overview



- Shui-Po Breeding Swine Farm was established in 1978, additionally founded our AI center in 1998.
- We operate on approximately 4.6 Hectares (11.36 Acres), with surrounding land of approx. 8.0 Hectares (19.76 Acres) intended for landscaping, recreation and leisure.
- Currently we own 550 pure breed sows (275 Landrace, 175 Yorkshire and 110 Duroc) and 150 boars.
- Our pure bred swine breeding/ production management and AI station received <u>ISO9001:2008/CNS12681</u> International Quality Management Standard Certificate (14QMA50968) (2001~2017).

Award and Honor



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◆瑞鳳凰, L137-09(R16720) bred by our farm has been awarded the first Golden plum blossom prize in 1985.



Award and Honor



- National Animal Industry Foundation evaluated our <u>L, Y, D</u> <u>as nucleus purebred farm</u>, 2017, and consecutively received the honor.
- Our farm has been evaluated as <u>Landrace nucleus purebred</u> farm for 19 years with excellence of Breeding Award.
- > Our AI station has been evaluated as nucleus artificial insemination semen supplier for a <u>consecutive of 12 years</u> by the National Animal Industry Foundation.
- Received "Excellent Swine Farm Certificate" from Council of Agriculture Executive Yuan.





Export Records

From 1991 to 1997, we exported 2,015 purebred pigs to southeast Asia including **Vietnam**, Philippines, Hong Kong, and Malaysia.

- Note that especially during October, 1996, 524 purebred pigs were exported through a Boeing 747 air cargo to **Vietnam**. After 30+ hours of transportation, all shipment arrived safety without lost. CHIA HSIN COMPANY LIMITED VIETNAM
- > From 2013, we exported pigs to abroad again!
- > 20130630, we exported 116 breed pigs to Hong Kong.
- > 20140215, we exported breed pigs to Vietnam.
- > 20140819, we exported 55 breed pigs to Vietnam.
- > 20150412, 138 breed pigs to Hong Kong.
- 20150614, 122 breed pigs to Hong Kong.
- > 20150717, 73 breed pigs to **Vietnam.**
- > 20151029, 140 breed pigs to Hong Kong.
- > 20160120, 36 breed pigs to Vietnam (DABACO).
- > 20160525, we exported breed pigs to HCM, Vietnam.
- > 20161202, we exported breed pigs to HCM, **Vietnam**.
- 20170615, 140 breed pigs to Hong Kong. 2017/11/1



Management of Boar semen collection and Quality control



- >Housing environment: Evaporative cooling system
- >Concentration and morphology test after every collection
- >Duribility test under 18°C
 - Every diluted boar semen are to have above 75% vitality at 24、48 & 72 hours
- >Open source boar performance data

http://www.angrin.tlri.gov.tw/pig/bsn_PP.htm

- >Complete semen sample collection and sales records
- Tracing offspring from customers
- >Training Courses of new techniques with the customers
- Cooperation with College and in the field
 TLRI/ NPU/ NTU/ NCYU/ NCHU/ Industry



Breed pigs and semen Quality Management

A stable immunization plan and examination at whole farm basis.

2017 Pseudorabies (-) Farm in Taiwan

• Boar semen undergo regular molecular biology examination of microorganism.

- PR, PRRS, PCV2 and bacteria: negative.
- Monthly selection and genotyping of replacement boar and gilts.
 - 100% Stress gene Free(PSS gene free)!!
 - High growth and production performance
 - Good meat quality (HH6) for Duroc and ESR gene (MM, MN) selected for Yorkshire and Landrace.
- Regular On farm test and complete <u>pedigree registration</u>.
- ◆Uniformity vs. Improved Performance

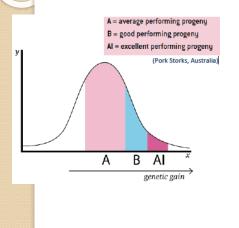
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() 行政院展案委員會

水淀種認确 参加行政院農業委員會103年 種種場飯姓狂犬病(PR)清除 業務計畫認定符合清淨陽規

能·成绩優良、以益鼓勵

Improving reproduction performance and Stable growing performance of the slaughter pigs

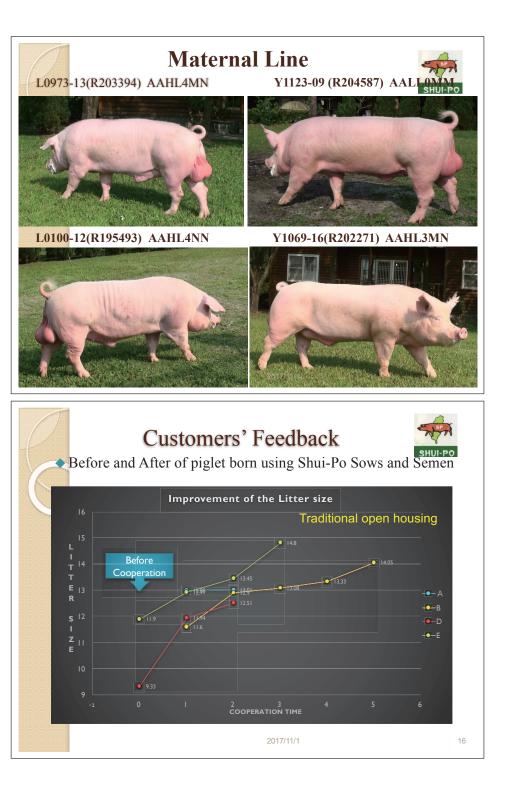


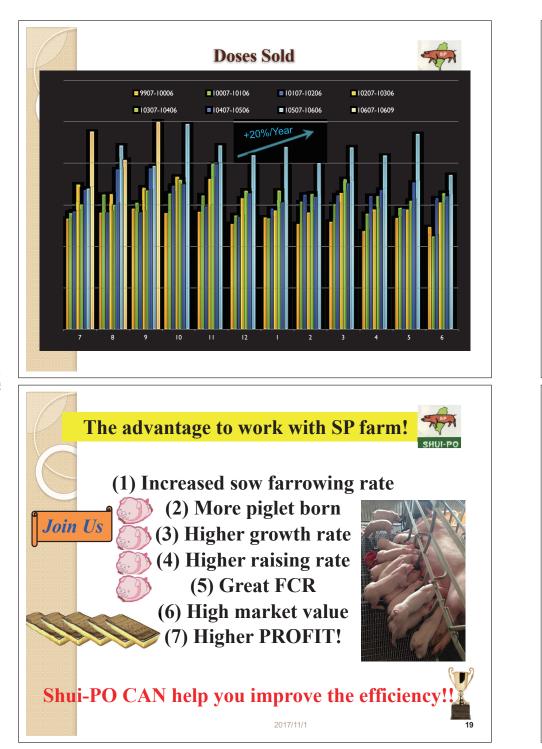


2017/11/1











Farm	Breed	Live Weight	Carcass Weight	Avg. Carcass %	Avg. Loin-eye areas (in ²)	Lean %
а	L.Y.D	110.9	96.9	87.4%	7.5 in ²	55.3%
b	L.Y.D	104.0	90.7	87.3%		55.5%
с	LD	102.4	89	86.9%		
d	LYD	110.4	95.9	86.8%		
				2017/11/1		

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