



~19~



Production of Boar Semen in the Philippines


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As of January 2016:

Total Swine Inventory	heads 12.48 million
Backyard farms	64.0%
Commercial farms	36.0%



•AI in the Philippines

- AI in swine started in 1930s.
- However, the application of the technique began only in 1954 through the Bureau of Animal Industry (BAI).



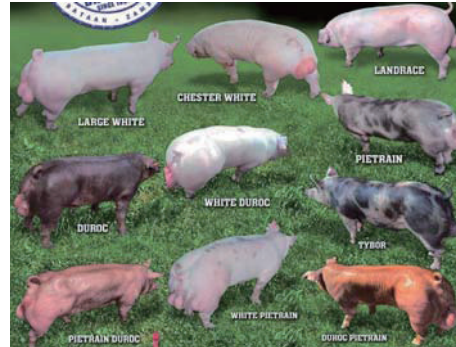
•AI in the Philippines

- Tremendously improvement in the effectiveness and efficiency of the AI technology as a tool in swine production in the Philippines due to studies by:
 - National Artificial Breeding Center (NABC)
 - University of the Philippines Los Banos (UPLB), and
- innovations made by the International Training Center for Pig Husbandry (ITCPH) and some private institutions
- Accelerated adoption of AI technology as a significant development in the local swine industry.

Common breeds used in AI

For Maternal Lines:
Large White
Landrace

For Paternal
Lines/Terminal Boars:
Duroc Jersey
Pietrain Duroc

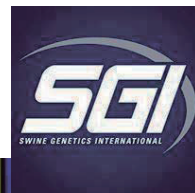
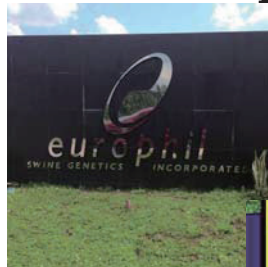


Boar semen is available:

- On-farm AI
- Cooperative Boar Studs
- Commercial AI centers

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Some of the big Commercial AI Centers in the Philippines



- Extended semen
- Frozen semen
- For local farms or for export

AI Centers in the Philippines which cater to small pig farmers

- Government-owned AI centers in municipalities
- ATI-International Training Center on Pig Husbandry
- Cooperatives with own AI centers



Semen collection

- Either gloved or bare hands



Semen evaluation



- Average volume ranges from 200-300 ml
- Milky to creamy
- No smell to a bit fishy

Microscopic evaluation



- Semen Motility (every collection)
- Semen morphology
 - SOP for new boars
 - Old boars
 - Senior boars – 1x every 3 months

Semen concentration/density



Sperm cells per ml? or dose?

Semen extension



Mixing extender & semen

Semen Storage at the AI Refrigerator

16°C -17°C



Delivery of Boar semen

- AI technician buys from an AI center and delivers it to the sow/gilt
- Farmer buys directly from the AI center and does the insemination to his sows/gilts



Delivery of Boar semen

- Farmer orders online and semen is delivered thru LBC



16 packs of semen (1997-2011)

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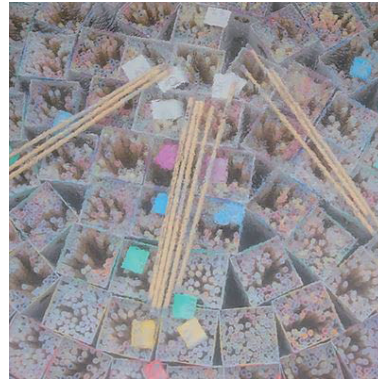
Lahi ng aming BARAKO

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LARGE WHITE
CHESTER WHITE
PIETRAIN
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Delivery of Boar semen



Liquid or Frozen semen

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~23~