



# **Natural Farmed Pork**

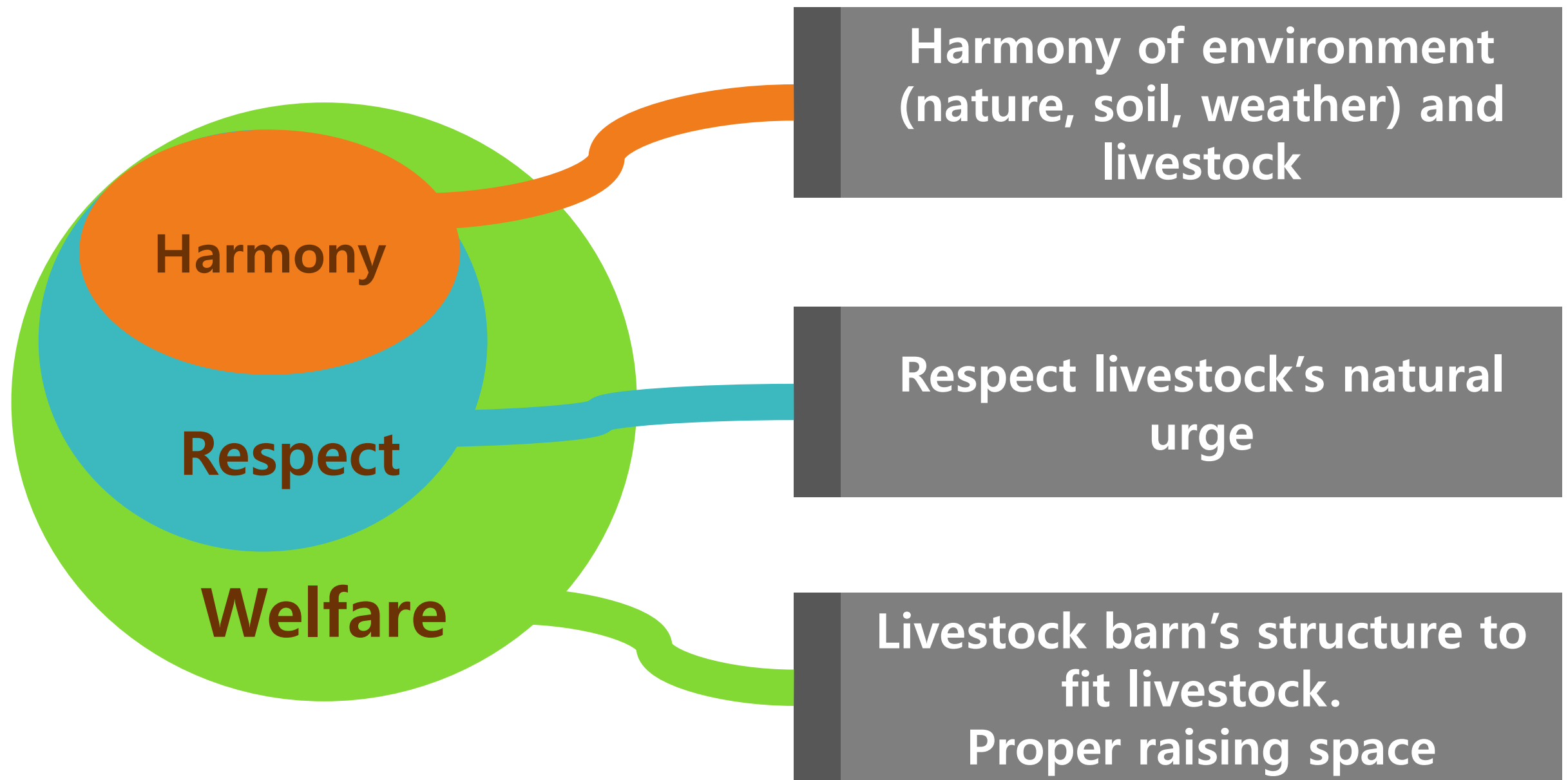
no cleaning, no smell, no antibiotics, no disease

# Natural History

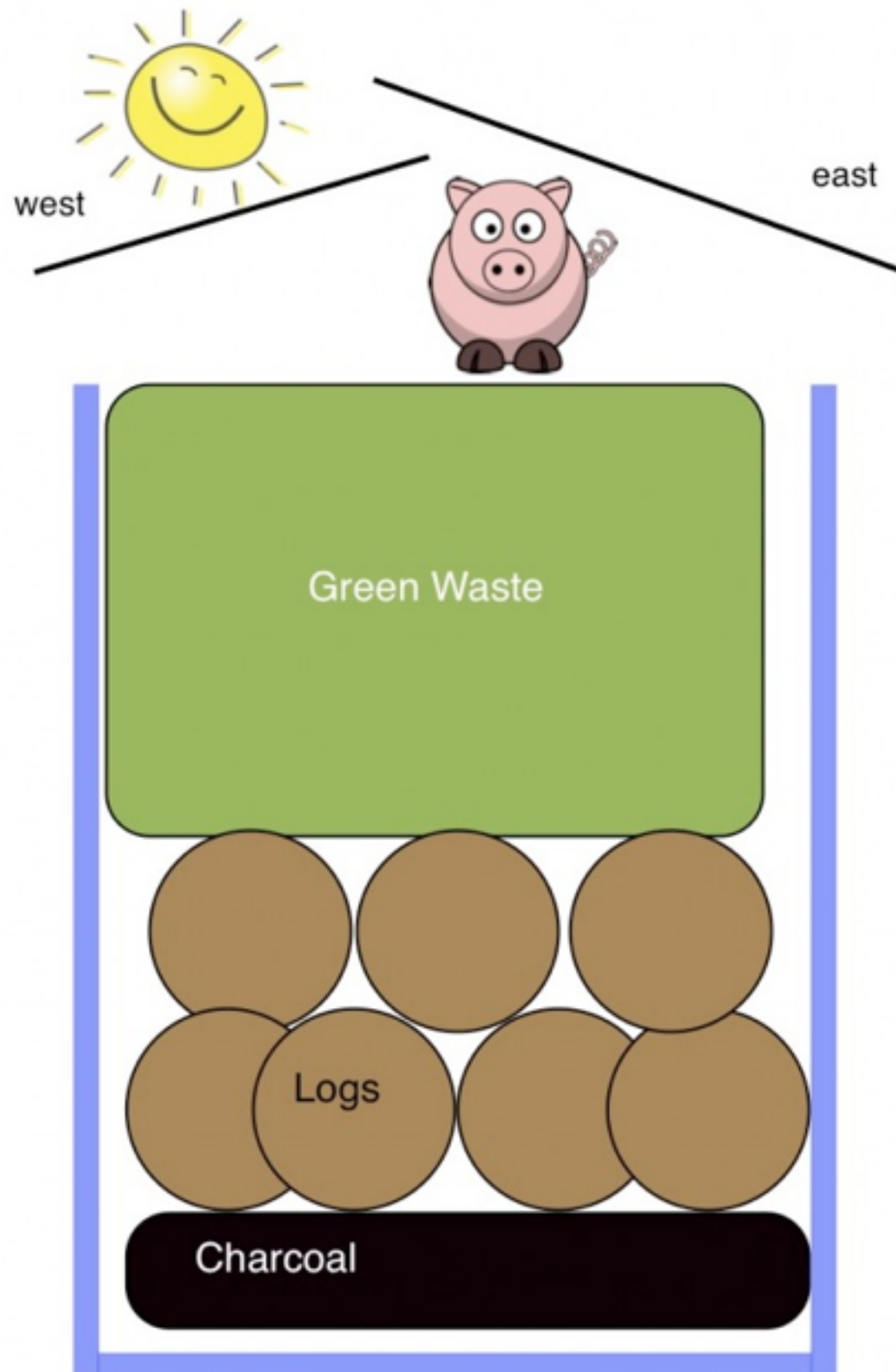
- 2005 - Introduced from Korea
  - Han Kyu Cho - awarded highest Chinese honor for service during Olympics
- Proven in Hawai'i
  - 3+ years running without smell or disease
- Now **NRCS** approved as best practice



# Natural Principles



# Natural Farming “No Smell” Pig Technology



## Building Requirements

1. Longer dimension oriented north to south
2. Opening in **top** and east/west **sides** of building to allow air to circulate naturally with heat of sun

## Floor Materials

1. Plastic liner
2. 6 inches depth of Charcoal (not briquets)
3. 2 feet depth of logs greater than 4" diameter and at least 4' long
4. 2.5 feet depth of green waste such as chopped banana stalk or wood chips

## For every 100 sqft

- inoculate with 2lb IMO#4
- activate with 3 Tbsp LAB and 3 Tbsp FPJ diluted in 1.5 gallons of water

Activate floor 2 weeks before introducing animals. If smell arises, re-activate. Protect from the rain and do not let floor get excessively wet.



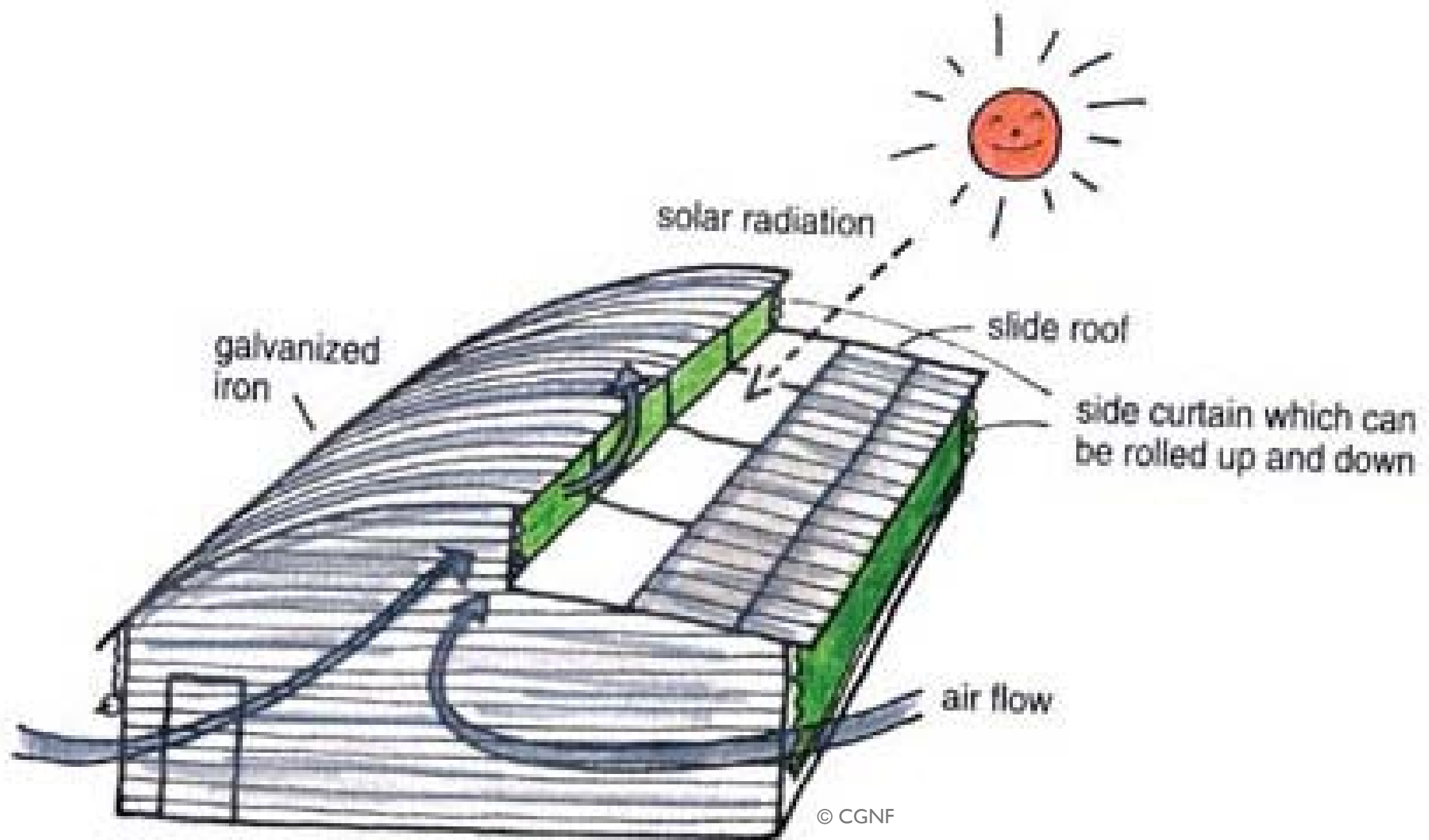
# Why no smell

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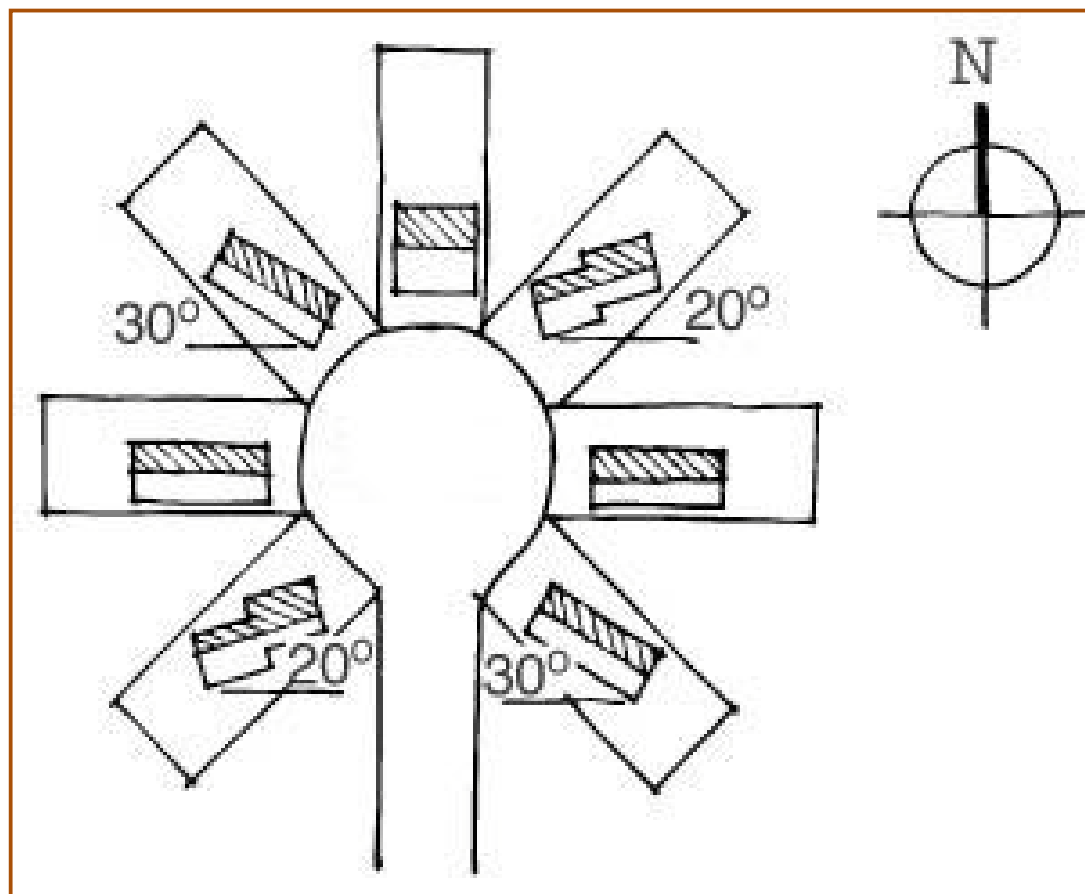
- Smell is telling you the presence of pathogenic microbes
- pig pen has so many good microbes and is dry.
- they suck the moisture out of the waste before the pathogens have a chance to eat and propagate
- oxygen helps.



# Piggery Barn Design

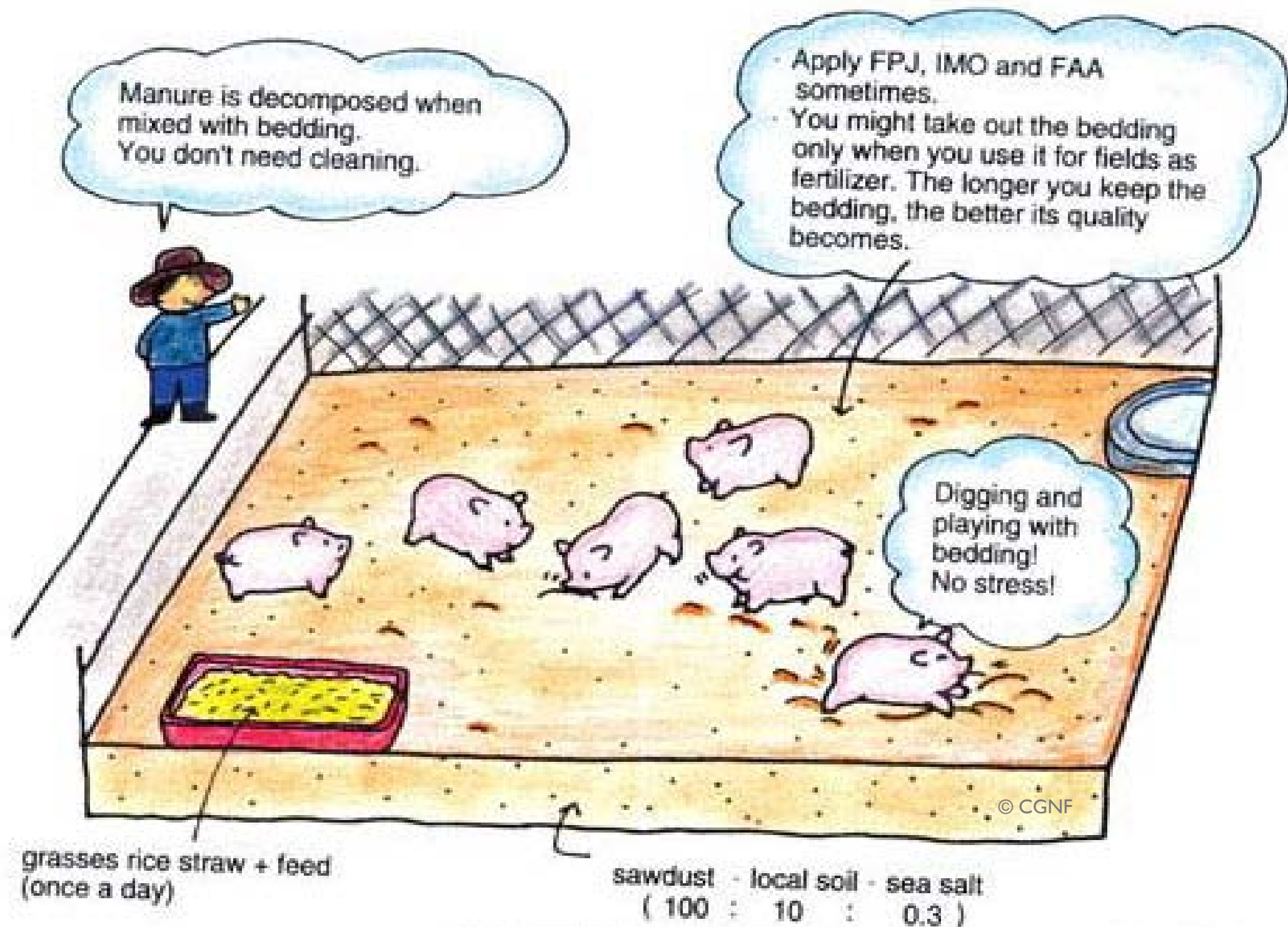


# Barn Orientation



- The best direction is southern and within 30 degrees for east or 20 degrees for west is possible.
- **East** : The morning sunshine light deeply on barn and in winter's morning is warm. But in the afternoon is cold.
- **West** : In the afternoon, it is hot, because sunshine light deeply
- **South** : Sunshine does not light on barn deeply because the sun altitude is high in summer. it is warm in winter due to light on barn deeply.
- **North** : Sunshine does not light all day, and due of north wind it is cold in winter.

# Fattening Pen



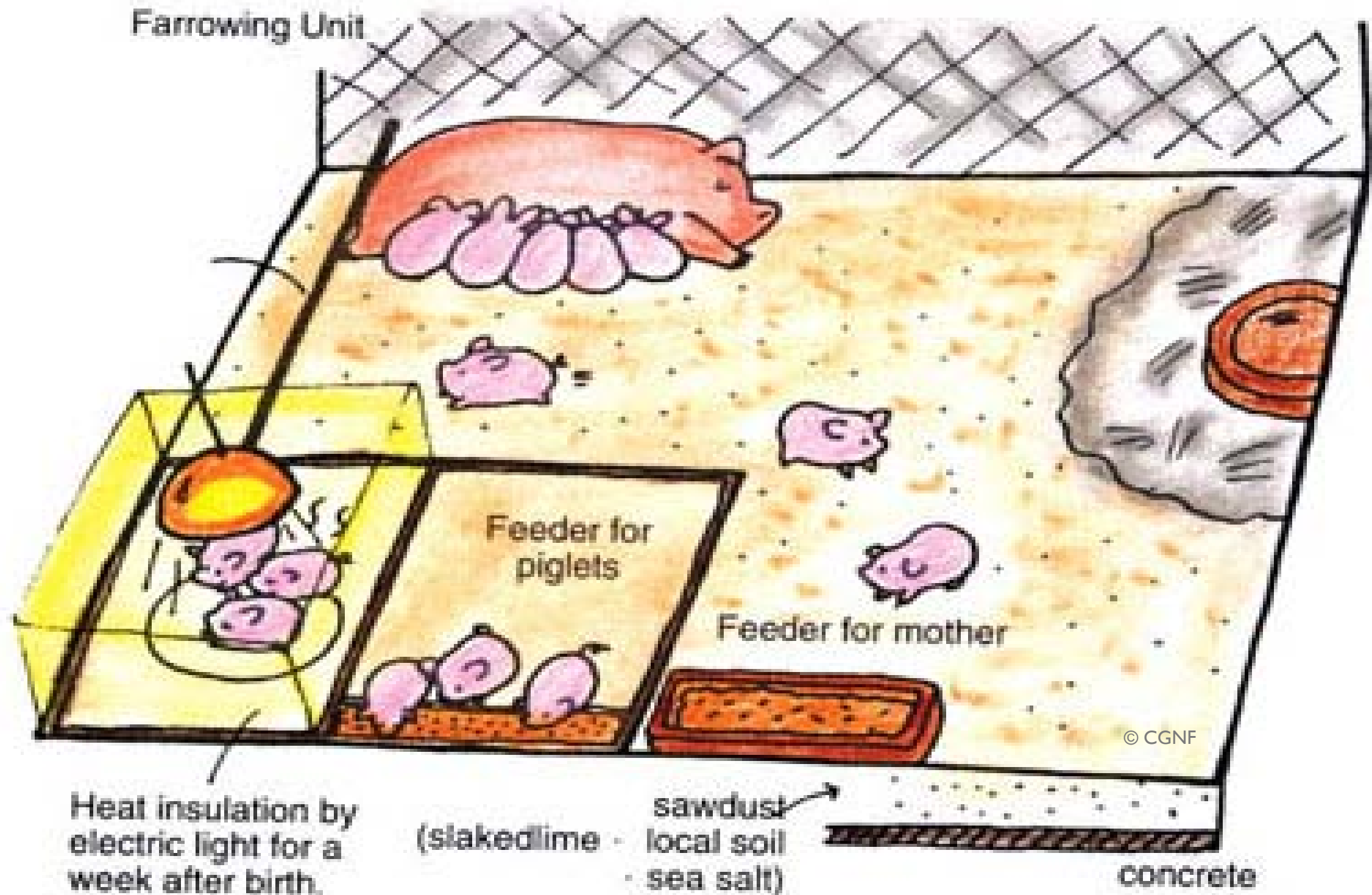


# Fattening Pen





# Farrowing Pen





# Farrowing Pen



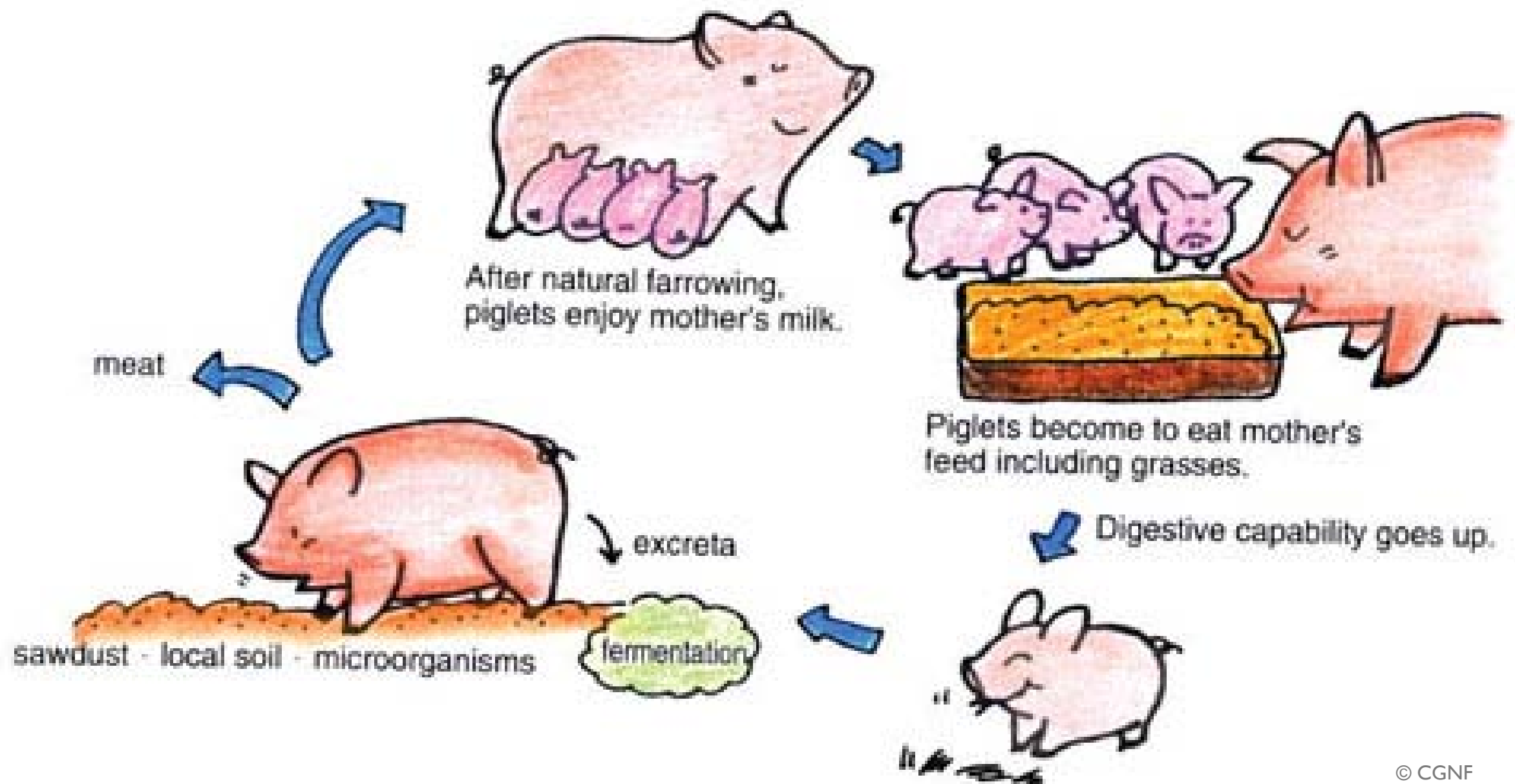


# Farrowing Pen



# Sow & Piglet

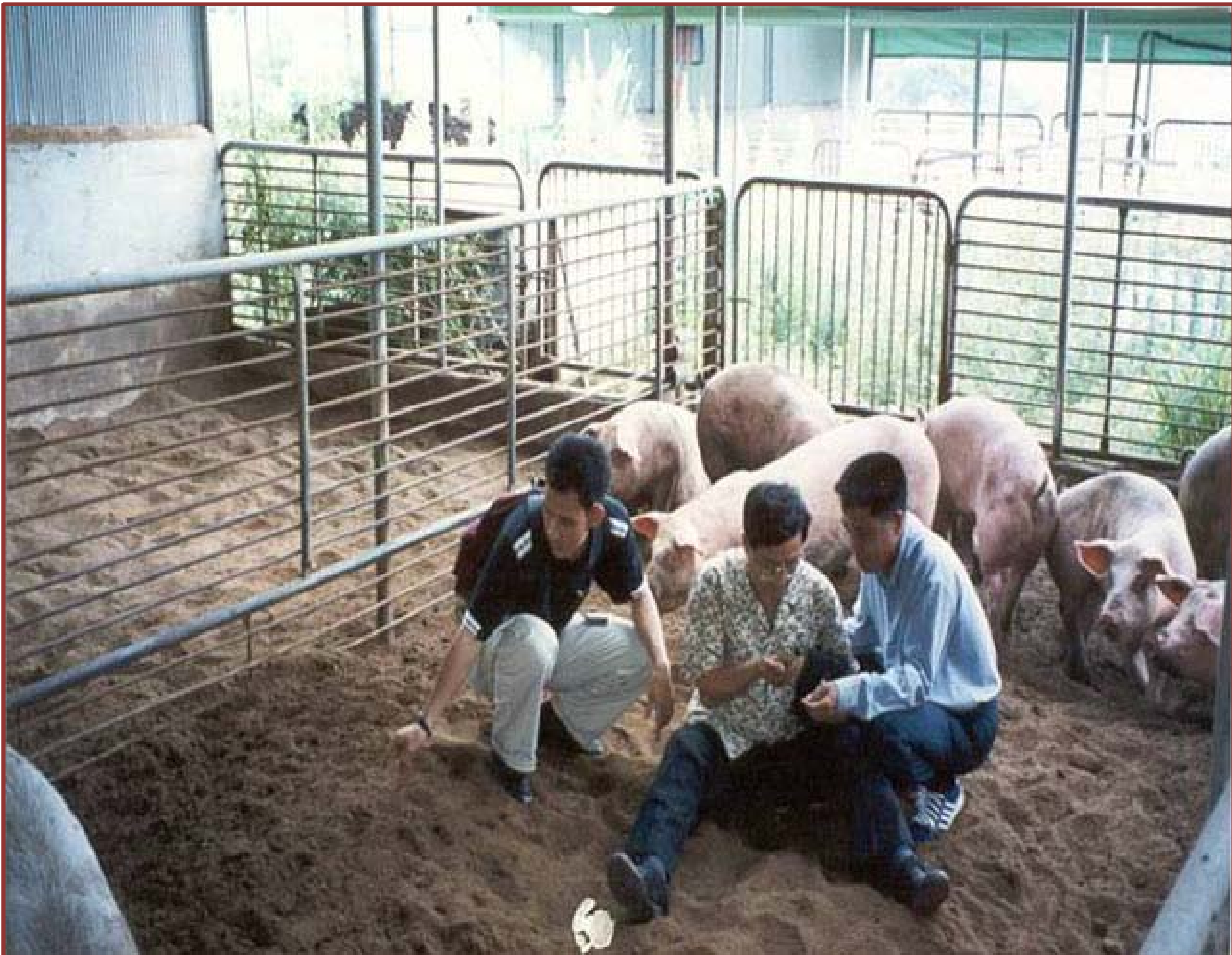
Farrowing-finishing system  
makes piglets vigorous



# No need for heating



# No need for cleaning





# **The Secret is Concentrated Compost**



**Just  
dilute to  
use**



# Making Concentrated Compost

















# Hubbel's Hog Heaven





# Hubbel's Hog Heaven







I'm so  
happy with  
no smell







# Feed Ratio

30% leaves/grasses/roughage

30% roots/grains

30% fruits

10% concentrated compost

# Excellent local book on planting for hog and chicken food

Liz Hubbell

<http://>

[hubbellshogheaven.blogspot.com/](http://hubbellshogheaven.blogspot.com/)

# Rescue Remedies

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- If pen begins to smell, spray with lactic acid bacteria  
<http://www.ctahr.hawaii.edu/oc/freepubs/pdf/SA-8.pdf>





# Ahupua'a System

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- Pigs were outcasted to the country, now we can grow them in city centers to reduce refuse. no smell. no disease. nutrients travel from city to “farm”. close loop that was open for years.
- A piggery in every township
- drop off food waste, get credit
- Can be reserve for currency. Pork tokens. Everybody knows somebody that wants Bacon.
- Universally acceptable. Can be built anywhere.
- process human waste?

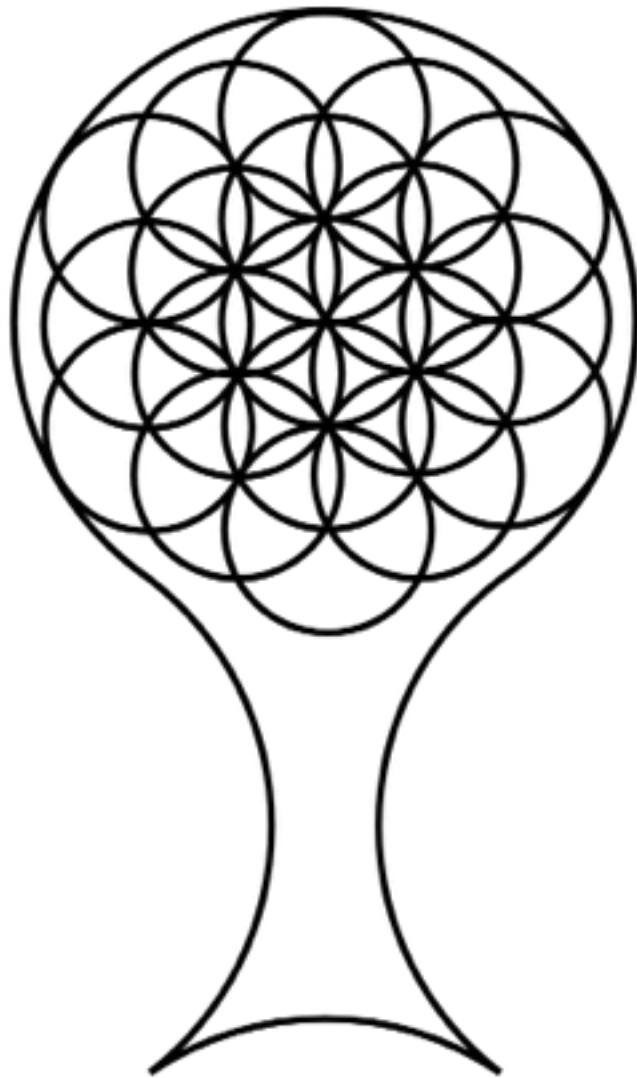




# **This Same Technology Grows Amazing Plants**



# **Get Odorless Pigs into your program**



- [drake@farm-science.com](mailto:drake@farm-science.com)
- [www.NaturalFarmingHawaii.net](http://www.NaturalFarmingHawaii.net)
- [mduponte@hawaii.edu](mailto:mduponte@hawaii.edu)

e ho mai ka 'ike mai luna mai e  
o na mea huna no'eau ona mele e  
e ho mai, e ho mai, e ho mai.