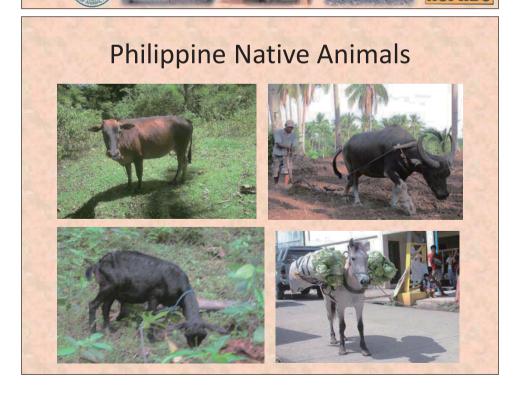


Outline of presentation The Philippine Native Animals Animal Genetic Conservation (FAO) Breeding strategies and practices Utilization of Phil. native animals Conclusion



DA Administrative Order No. 15 s. of

2010 .. Signed August 2, 2010

 Established the Program for the Conservation and Utilization of Domesticated **Native Food** Animals



 The Global Plan of Action for Animal Genetic. Resources (FAO, 2007) recognizes that "A good understanding of breed characteristics is necessary to guide decision-making in livestock development and breeding programmes"

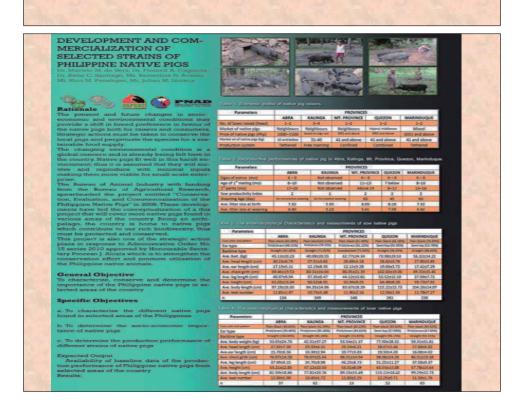
Native pigs in Kalinga Province.







- Native pigs roams freely
- · no housing provided.
- Pigs are fed rice bran, root crops and mixed kitchen wastes.
- No health care is given
- uncontrolled mating is common
- Most of the families' raise a sow with offspring's being grown for especial family celebrations.





Ave. piglets born alive

Ave. Weaning Weight

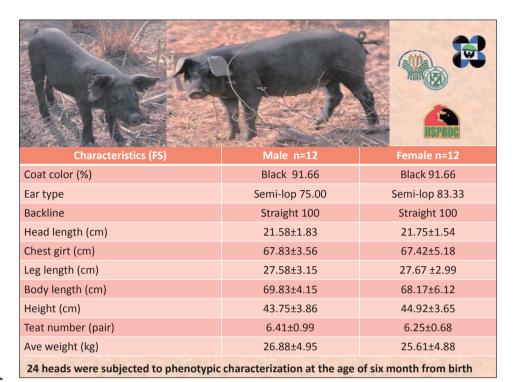
Ave. gestation period

Ave. Litter Size at weaning

Percent Livability 0-45 days

Ave. Weaning Age

Ave. Pre weaning mortality %



Reproductive Performance of Bundok Peninsula								
Strain								
	1st	2nd	3rd					
Number of Sows farrowed	16	9	12	28				
Piglets born alive	88	62	82	170				
Sex								
Male %	59.52	40.32	47	48.95				
Female %	40.48	59.68	35	51.05				

5.50

3.57

46

5.27

5.30

96.43

114

6.89

9.68

46

5.35

6.46

90.32

7.61

45

5.44

6.61

114

6.35

6.60

46

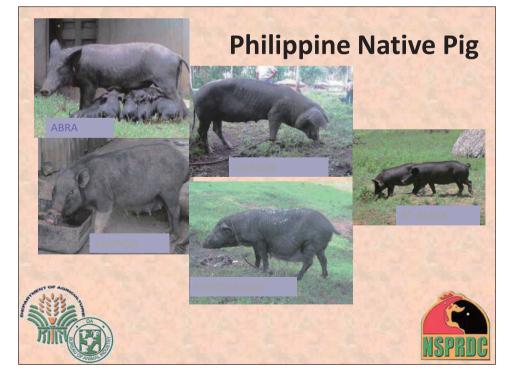
5.35

6.12

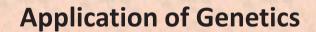
93.38



Characteristics	Male		Female	
	FS	G2	FS	G2
Birth weight (kg)	0.78 n=14	0.92 n=7	0.80 n=9	0.74 n=12
Live weight at 1 mo. (kg)	4.37±0.69	5.90±0.69	4.39±1.24	5.06±0.65
2 mos. (kg)	5.09±0.84	6.75±1.38	6.75±1.38	6.01±0.68
3 mos. (kg)	7.05±1.75	8.80±1.13	8.80±1.12	8.10±1.03
4 mos. (kg)	13.6±2.72	14.70±2.34	14.70±2.34	12.60±2.02
5 mos. (kg)	18.8±1.97	21.15±2.70	21.15±2.71	19.30±2.78



PIGS • Stocks are product of 1998 collection of different strain of native pigs from • Benguet, • Marinduque, • Quezon. • Selection based on some traits and qualities i.e. weight gain, litter size, body conformation, and color (black) • Kalinga strain was acquired in 2008 in Tinglayan, Kalinga, • five (5) female and one (1) male, succeeding stock from Tabuk Kalinga



Semen collection of Philippine Native Pig at BAI-NSPRDC.



Selection Criteria/Strategies

Native pigs: nsprdc 2000

• Average litter size > 8 piglets

Weaned piglets per litter > 7 piglets

Weaning age 45 days

Body Weight at 12 weeks old (BW12)

Body weight at 20 weeks old (BW20)







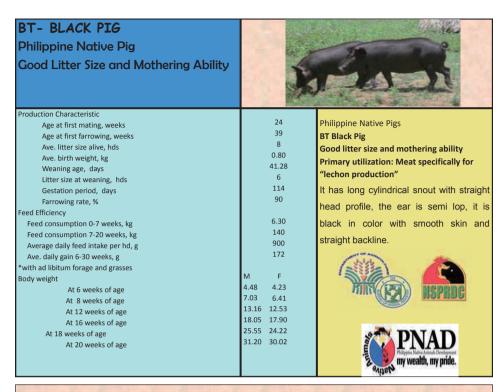
Projects

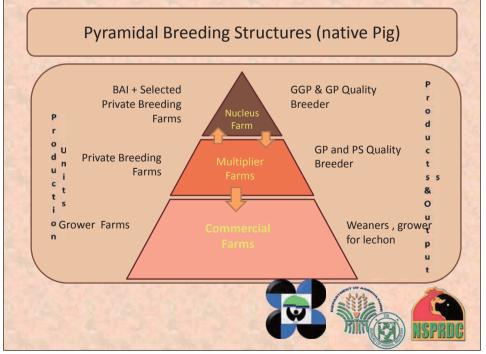
"Conservation, Improvement and Profitable Utilization of Philippine Native Pig" project funded by PCAARRD and implemented by BAI-NSPRDC



Average Performance of Native pigs **NSPRDC** 1999 2012 Average litter size 6.5 8.2 piglets Average birth weight 634 700 grams Weaned piglets per litter 6.75 piglets 60 days Weaning age 45 · Ave. weaning weight 7.49 7.20 kgs. • Ave. live weight 2 mos 7.49 9.00 kgs 11.19 18.2 3 kgs 25.00 kgs 38.30 kgs

BT- KALINGA Philippine Native Pig Good Mothering Ability and Hardy	i ik	
Production Characteristic Age at first mating, weeks Age at first farrowing, weeks Ave. litter size alive, hds Ave. birth weight, kg Weaning age, days Litter size at weaning, hds Gestation period, days Farrowing rate, % Feed Efficiency Feed consumption 0-7 weeks, kg Feed consumption 7-20 weeks, kg Average daily feed intake per hd, g Ave. daily gain 6-30 weeks, g *with ad libitum forage and grasses Body weight At 6 weeks of age At 8 weeks of age At 12 weeks of age At 18 weeks of age At 18 weeks of age At 18 weeks of age At 20 weeks of age	22 37 6 0.700 46 5.36 114 90 5.75 115 639 146.4 M F 3.94 3.74 4.90 4.31 7.65 7.34 13.75 12.91 16.55 15.45 18.58 17.38	BT-KALINGA Native Pig Good mothering ability and hardy Primary utilization: Meat, ritual and other Socio-Cultural Practices Black with white legs (socks) some with white under belly, white in forehead and tail. Ears are small and erect with long and thin snout, swayback with belly almost touching the ground.





Prospect of Raising Native pigs



- Prepared breeds for "lechon" (roasted pig) ave. weight 15-25 kgs lwt.
- High demand for native pigs due to its particular (pinoy) taste (lechonero)
- High value P 150.00 -180.00 per kg live wt.
- adapted to local condition, can be raised in far barangay's with minimal inputs
- Economic traits (e.g. growth, litter size, good taste) can be improved through selection
- Ideal breeds for natural or organic pork (pig) production

"Improvement of Processing Technologies for Meat and Skins from Selected Strains of Native Pigs" DA-BAR and (APDC).



Products and Prospect of Native Pig



Conclusion

- A good understanding of breed characteristics is necessary in livestock development and breeding programmes
- FAO Action Plan on characterization (phenotypic and genotypic) is suggested guide for breed development
- Breeding criteria/strategies has to be in place for breed development and improvement
- Establishment and maintenance of breeder farms (gov,t/farmers)
- Conservation with utilization is a must for breed sustainability

