

# Diseases in North Cameroon

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The health status of pigs in North Cameroon

Results from rapid survey, a twelve-month monitoring period of a cohort of selected herds and a twelve-month collection of pork inspection data to determine the health status about swine diseases.

A study was conducted to identify among other constraints pathological conditions affecting pig productivity and potential as a livestock subsector in the semiarid North Cameroon. Data were collected in three phases: a cross-sectional survey, a one-year monitoring of a cohort of selected herds and a one-year pork inspection. Results indicated that lousiness due to *Haematopinus suis* was the most common pathological condition with a herd prevalence above 50% during the monitoring phase and of 75.8% in a sample of 750 slaughtered pigs. Gastroenteritis prevalence was low (4%), but highly associated with piglet mortality. Pathological lesions of public health importance recorded during pork inspection were tuberculosis and cysticercosis lesions with prevalences of 33.2 and 12.3%, respectively. Indirect ELISA serological results on 150 samples were 98% negative for the African swine fever virus (ASF), suggesting that the region was ASF-free. The region can thus be regarded as potentially suitable for the development of the country's pig industry. Proper pork inspection and hygiene measures should be enforced to protect human health from infected meat.

## Introduction



## Materials and methods

1. A rapid survey (cross-sectional study) which provided information on the present state of pig production including population estimates, breeds, reproduction parameters, pathology, mortality and general management practices
2. A twelve-month monitoring period of a cohort of selected herds
3. A twelve-month collection of pork inspection data

### The rapid survey phase

### The cohort phase

### The inspection phase

# Serological analysis

# Statistical analysis

# Results



# Discussion

# Conclusion

# Acknowledgements

# References

1. ADETOSOYE A.I., ADENIRAN M.O.A., 1987. Campylobacter enteritis in animals in Ile-Ife, Oyo State, Nigeria. *Revue Elev. Méd. vét. Pays trop.*, 40: 39-40.
2. ATII D.J.I., OJEH C.K., DUROJAIYE O.A., 1989. Detection of rotavirus antigen in diarrhoeic and non-diarrhoeic piglets in Nigeria. *Revue Elev. Méd. vét. Pays trop.*, 42: 494-496.
3. EKUE F.N., TANYA V.N., 1985. The 1982 African swine fever epizootic in Cameroon. *Revue sci.tech.*, Série Sci. Zootech., 1: 65-70.
4. EKUE N.F., WILKINSON P.J., 1990. Absence of *Ornithodoros moubata*, the vector of African swine fever virus from the main pig producing area of Cameroon. *Trop. Anim. Health Prod.*, 22: 127-131.
5. EKUE N.F., WILKINSON P.J., WARDLEY R.C., 1989. Infection of pigs with the Cameroon isolate (Cam/82) of African swine fever virus. *J. comp. Pathol.*, 100: 146-154.
6. GEORGE J.B.D., OTOBO S., OGUNLEYE J., ADEDIMINIYI B., 1992. Louse and mite infestation in domestic animals in northern Nigeria. *Trop. Anim. Health Prod.*, 24: 121-124.
7. LETENNEUR L., DOUFISSA A., NANKO G., LOBRY J.C., 1995. Etude du secteur élevage au Cameroun. Rapport définitif. Maisons-Alfort, France, Cirad-emvt, 520 p.
8. NJOYA A., AWA D.N., MOUSSA C., NGO TAMA A.C., CARDINALE E., EBANGI L.,

- NGANGUE J.M., 1996. L'élevage porcin au Nord Cameroun : situation actuelle et possibilités d'amélioration. Rapport technique. Garoua, Cameroun, IRAD, 51 p.
9. NJOYA A., AWA D.N., NGO TAMA A.C., EBANGI L., 1997. Amélioration de la productivité porcine par l'alimentation et la prophylaxie. Rapport technique. Garoua, Cameroun, IRAD, 26 p.
10. TISDELL C., MURPHY T., KEHREN T., 1997. Characteristics of Thailand's commercial pig and poultry industries, with international comparisons. World Anim. Rev., 89: 2-11.



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