

Jerseys in West Africa

Milking for Profit



JS AFRICA



Managing the passion for
Jerseys, Africa and Business

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General manager JS AFRICA

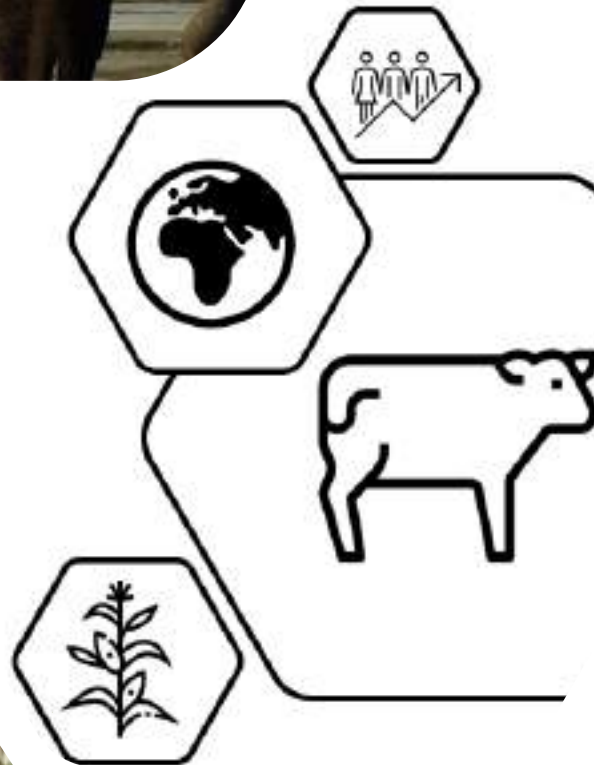
- 🐮 Expert in cattle – Dairy & Beef
- 🐮 Based in Accra, Ghana
- 🐮 Msc in Animal Science (Ingénieur Agronome), grown up on a farm
- 🐮 Born in Luxemburg, raised in France, large experience in working in the African livestock industry.





JS AFRICA

international consulting firm



specialized in supporting the
Development of
Livestock and
Cattle value chain
in Africa





Jersey : Link to West Africa

*Origins
Local conditions
Adaptability*



West African Shorthorn

Characteristics of the WASH

- 🐮 Bos Taurus Breeds
- 🐮 Adapted to Tropical – Forest Conditions
- 🐮 Small in Size
- 🐮 Trypanotolerance
- 🐮 Breeds: Mutura – N'Dama – Ghana Shorthorn ...
- 🐮 Historically present before Fulani presence



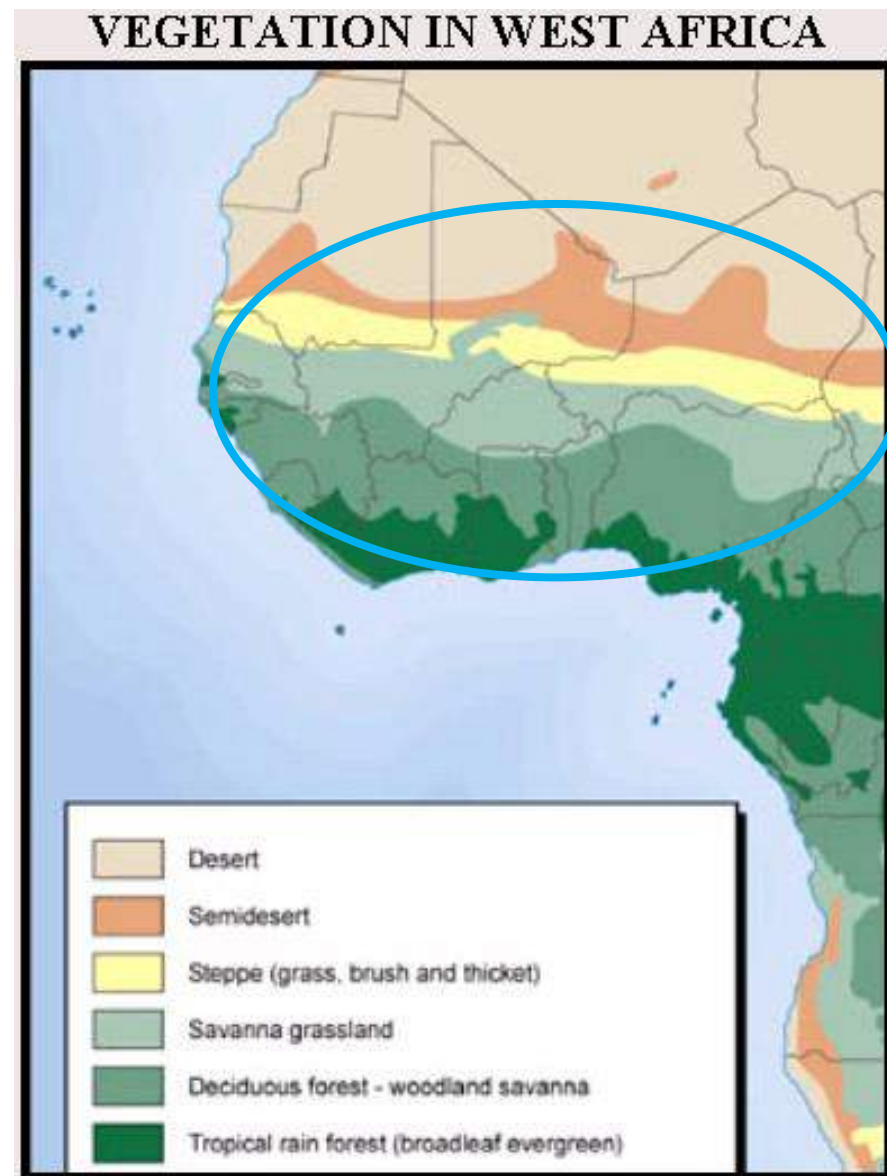
Jersey & African origins



Link between N'Dama and Jersey cows

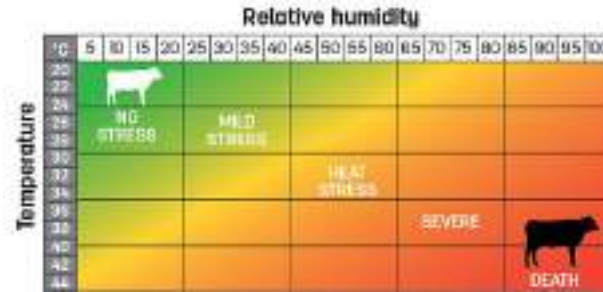
West Africa & Dairy : Climate

- 🐮 Challenging environment for Bos Taurus Dairy cows
- 🐮 All areas are either Tropical (Hot and Humid) or Hot Arid (Hot and Dry) Climates
- 🐮 Tolerance for heat is a must in cattle selection
- 🐮 Mortalities due to a high Temperature Humidity Index (THI) are prevalent in those areas. Examples in Ghana, Nigeria, Senegal, Burkina Faso, Mali....



Producing milk in hot climates

Tunnel Ventilated Barns
Ideal for Tropical Climates



Strategies

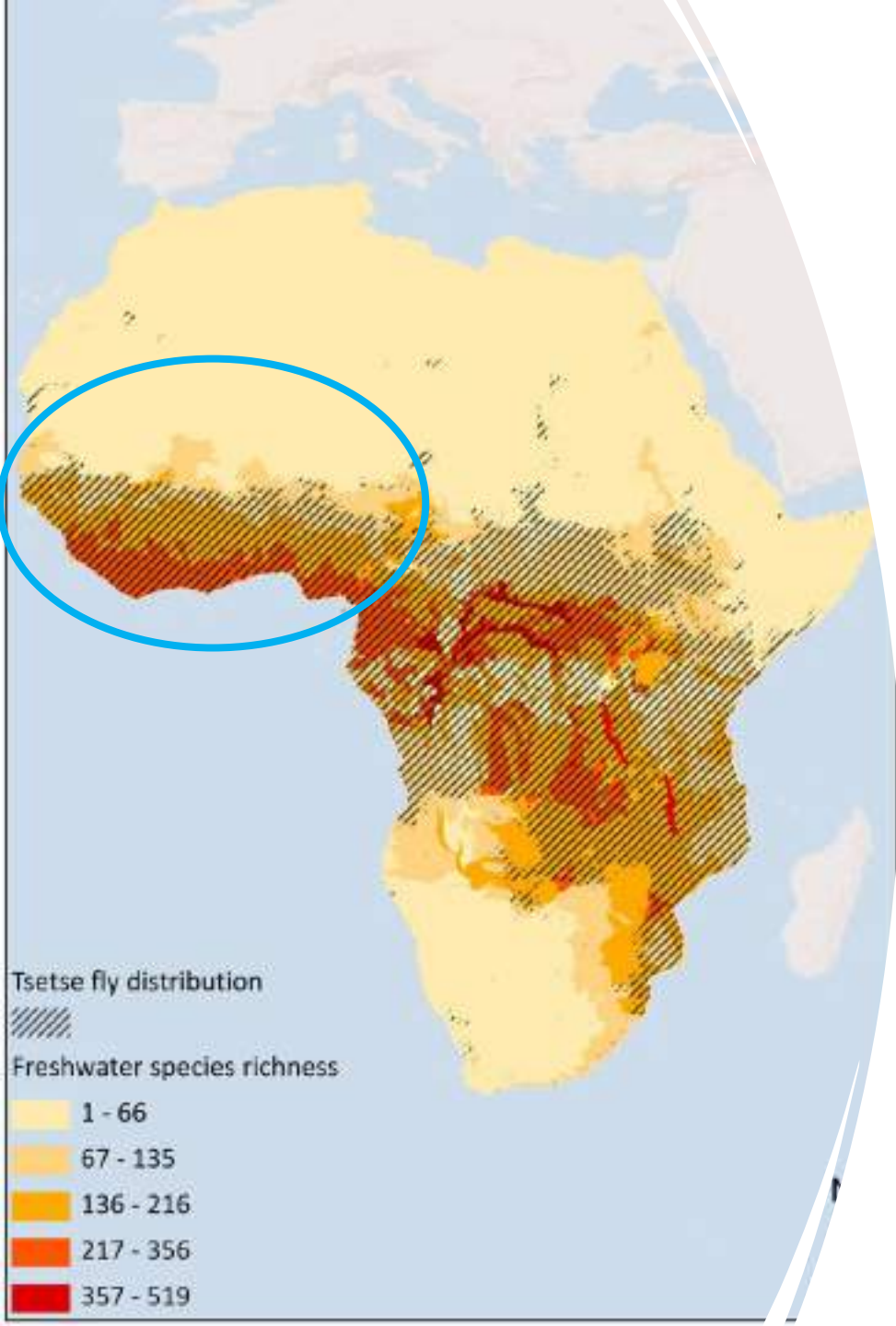
🐮 Genetics – right breeds – Crossbreeding

🐮 Infrastructure



Pure or
Cross
Breed
Jerseys
Adapted
to Hot
climates

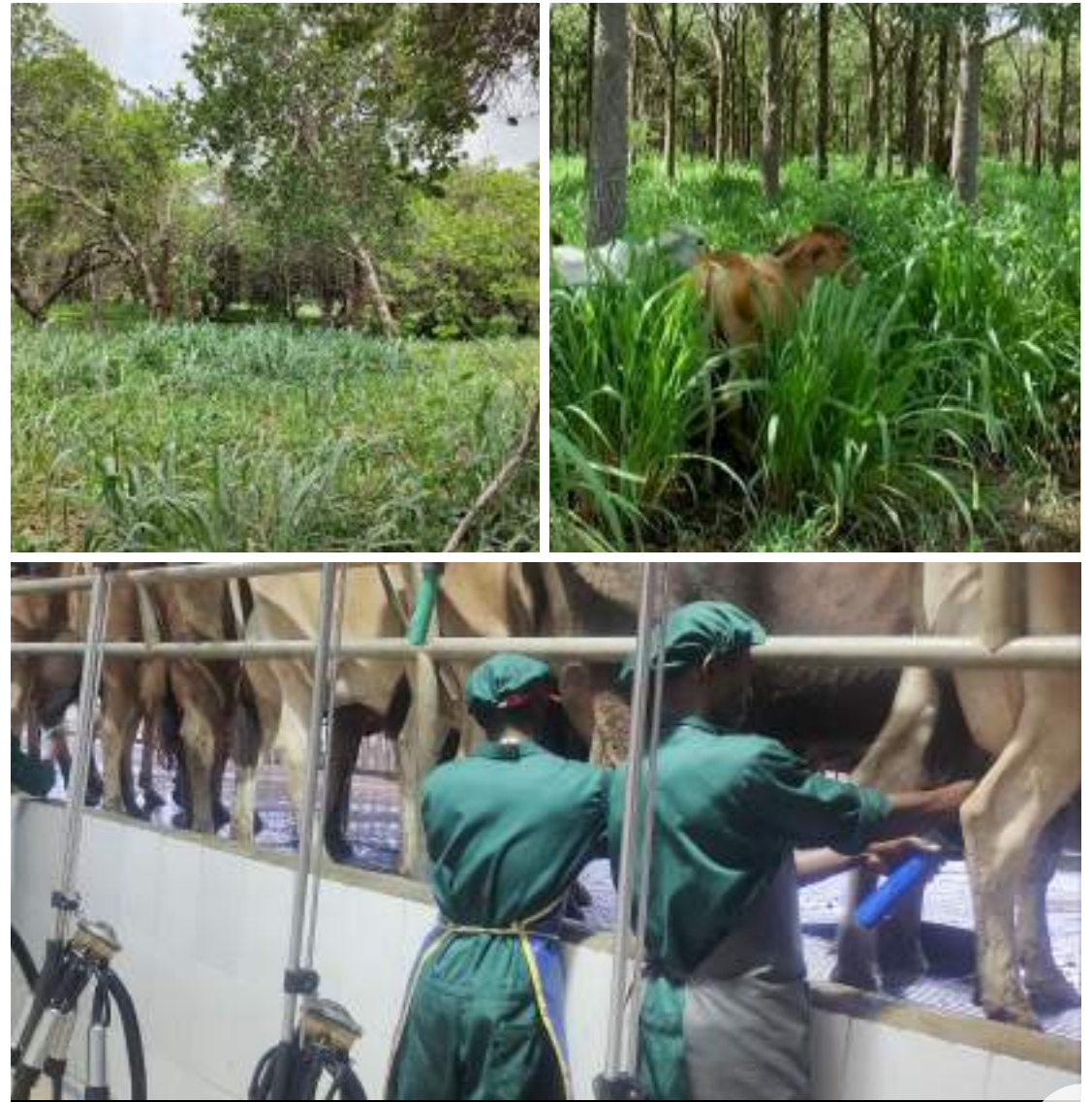
West Africa & Dairy : Diseases



- 🐮 Challenging environment for Grazing Dairies
- 🐮 Most areas adapted to grazing (long raining season) are infested by TseTse flies and ticks
- 🐮 Mortalities and low production due to diseases such as trypanosomiasis is high
- 🐮 Cows need good disease adaptation
- 🐮 Jersey & Jersey Crossbreeds

Jersey in West Africa

Context and examples



West Africa Dairy Industry

Very little milk production in West Africa

- 🐮 Unfavorable climate for Bos Taurus – Milk Producing breeds
- 🐮 Sanitary pressure unfavorable to cows
- 🐮 Little historical cattle keeping and milk culture outside the Fulani community
- 🐮 Lack of policies and political will



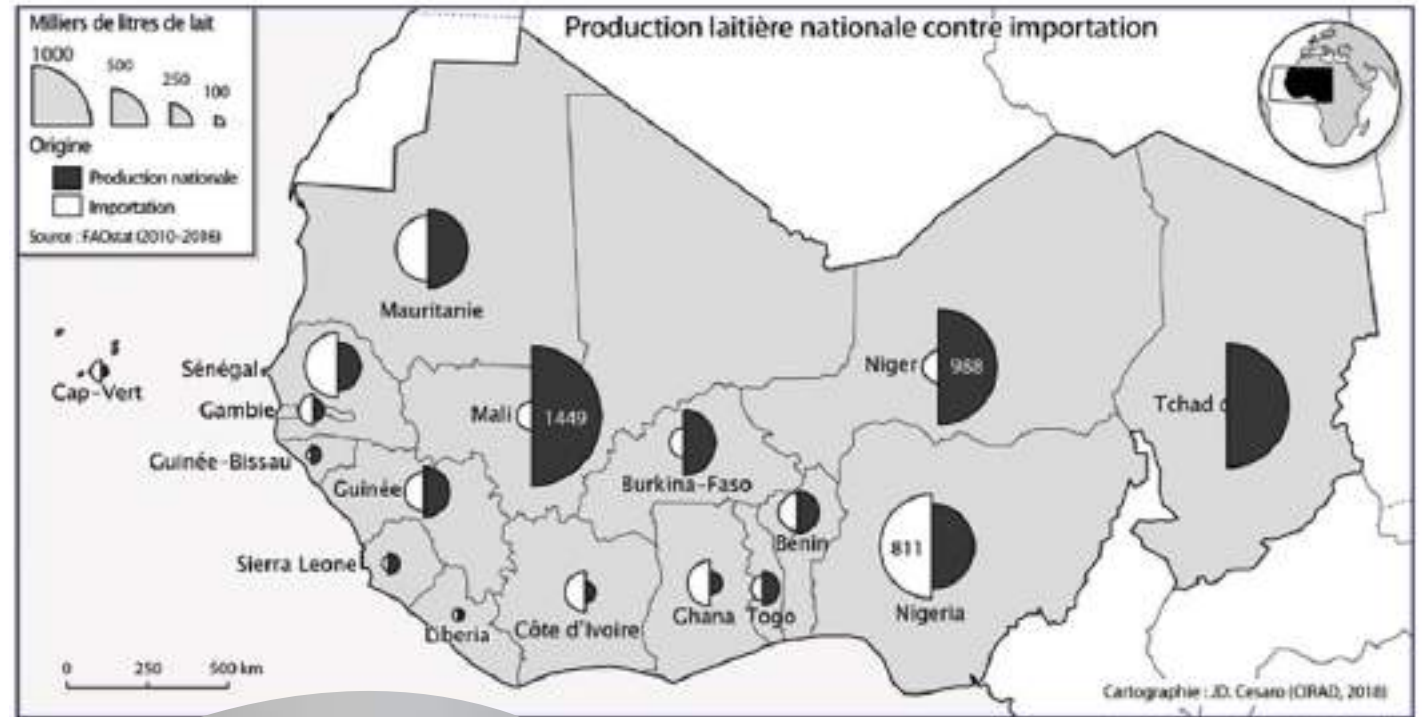
West Africa Dairy Industry



Milk imports high in coastal countries

Milk is produced by Fulani communities or other nomadic herding communities for 95% of the time

Milk production per cow <1000 liter per lactation



Jersey in West Africa

- 🐄 Promasidour Dairy farm in Ikun, Nigeria
- 🐄 Rosedale Farm, Kwara, Nigeria
- 🐄 Heiefer project, Ghana
- 🐄 Many more examples





Jersey for grazing system

- 🐄 Ideal breed for grazing systems
- 🐄 Many benefits in west Africa
- 🐄 Lower production costs
- 🐄 Sylvo pastoralism is plantations for Palm, Cashew, Rubber etc
- 🐄 Crossbreeds should be considered for extensive systems

Jersey crossbreeds in West Africa



N'Dama



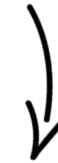
White Fulani



Ghana Sanga



Azawak



F1 Cross in Ivory Coast



F1 Cross in Nigeria



F2 Cross in Ghana



F1 Cross in Niger

Breed options for Jersey crossing

Best crossbreeding option



Sokoto Gudali



Azawak



Muturu



Red M'bororo



White Fulani



Ghana Sanga



N'dama

Milk
Production

Size



Jersey – a perfect dairy breed for west Africa



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