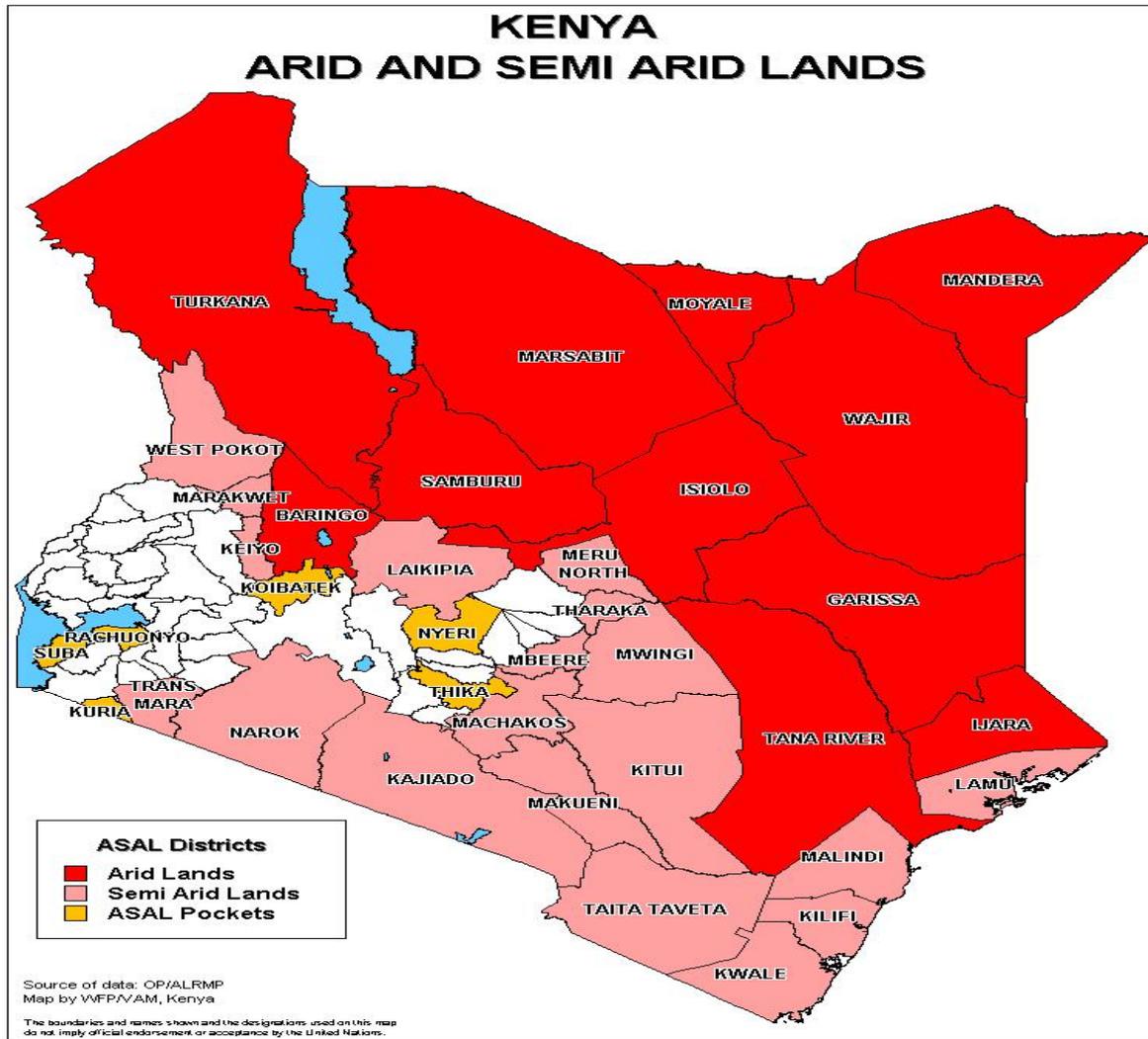


AYRSHIRE BREED IN KENYA

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USA**

Map of Kenya



Introduction

- Area of Kenya- 528,000 Sq Km
- Population of Kenya – 44 Million
- Languages spoken –English, Kiswahili, Vernaculars
- Ecological Zones
 - Kenya Highlands – high rainfall and fertile soils
 - Range lands
 - Semi Arid
 - Arid
- Cash Crops- Coffee, Tea, Horticulture, Pyrethrum
- Food Crops – Maize, Wheat and Rice
- Minor Crops – Potatoes, Millet, Cassava

The Agriculture Sector

- Agriculture is the cornerstone and driver of our Economy
- The Sector accounts for 30% of GDP
- 60% of Country total exports and supports
- 80% of rural population livelihoods

The Livestock Sector

- contributes 12% National GDP
- 42% of Agricultural GDP
- Employs 50% of the rural labor force
- Practiced in all the ecological zones
 - beef in arid and semi arid regions
 - Dairy/ beef in high and medium potential areas
- Livestock species
 - Zebu cattle-17.5 Million
 - Dairy cattle - 3.5 Million
 - Goats - 27 Million
 - Sheep -17 Million
 - Camels -3 Million
 - Chicken -31Million
 - Pigs -0.5Million

Dairy industry in Kenya

- 1st Dairy cattle introduced to Kenya in 1908 from South Africa
- 1935 AI started in Kenya on commercial basis and Animal Husbandry Research Station
- 1946- Central AI Station established
- 1966-1992 highly subsidized A.I services
- 2003-2015 Tremendous growth in the Dairy Industry
 - AI Technicians increased from 350 – 1,117
 - Semen Distribution increased from 260,000-800,000
 - Milk Production increased from 3.3 Billion Lts to 5.2 Billion Lts

Cont.

- Per capita milk consumption is estimated at 80 liters per annum in rural areas and 120litres in urban areas but still below the FAO 225 liters per annum
- Current average milk production from dairy cattle is 8- 10 Kg per cow per day
- Contributes to food security(Strategic milk Reserve set at 6,000 Metric Tons to cater for short falls during dry season)

Dairy Production Systems

- 25% of our Dairy Farmer practice extensive Dairy Farming(Large Scale Farmers)50 cows and over
- 60% of our farmers practice intensive Dairy Farming (Zero or semi zero Grazing)1- 10 cows-cut and carry
- 15% of our farmers practice semi intensive Dairy farming (medium scale farmers)11-49 cows
- Profitability in any of the systems depends on: size of land (available pastures and fodder),management practices, breeds and genetic potential of the cows ,level of supplementation with concentrate feeds

Challenges in the Dairy Sector

- Inadequate & poor quality feeds
- Prevalence of tick-borne, notifiable and management diseases
- High cost of farm inputs(AI , concentrate feeds and mineral salts, veterinary drugs and services
- Low producing dairy cattle due to low adoption of breeding technologies (only 35% uptake of A.I. in the national Dairy herd)
- Inadequate extension services.
- Low milk value addition (only 20 % of milk produced is value added to Yogurt, Cheese and butter).

Mitigation Measures

- First National Dairy Development Policy was initiated in 1980s and rolled out in 1993.

The main objectives were to:

- Enhance productivity of dairy cattle on small holder farmers
- Meet the milk demand of the fast growing population
- Maintain adequate strategic milk reserve to generate additional supplies for export
- Development of the Dairy Master Plan to operationalize the DDP(launched in 2012)
- Development of a Breeding Policy (2009)
- Tax exemptions-Zero rating of Agricultural inputs
- Promotion of Public Private Partnership (PPP) in delivery of Veterinary services
- Partnering with Development Partners to finance Dairy Projects and Programmes

The Ayrshire Breed in Kenya

- Ayrshire Cattle Breeders Society of Kenya started in 1920 under the umbrella of the Royal Society of Kenya
- Objective of starting society was to promote the Breed and cater for the welfare of its members
- Membership -78 (Cooperate and Individuals)
- Executive headed by a Chairman , secretary ,Treasurer ,3 ordinary members
- Reliable estimate indicate there are 1.2 million Ayrshires ,however only 7,000 are registered annually
- The breed is to be found in all ecological zones
- Our bull station has 41 Ayrshire bulls ,(all recruited locally)however non has reliable progeny test results
- The bulls produce 200,000 doses of DF semen per year which is all distributed
- imports of 65,000 doses per year mainly from Canada, Britain,USA,Scandinavian countries, South Africa and recently New Zealand

Characteristics of the Kenyan Ayrshire

- Color – Brown /red /Mahogany and White
- Stature – medium sized with strong back , feet and legs
- Mature weight 280-290 Kg at age of 18- 20 months
- Fertility – 1.5-2.0 inseminations per conception
- Production 10- 15 Kg per day per cow 4.4% BF and 3.5% Protein
- Longevity 15-18 years with average C.I of 15 months
- Hardiness – well adopted to all ecological zones and fairly resistant to most tropical diseases

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305 MILK YIELD BLUP EVALUATION OF THE RECORDED NATIONAL ARYSHIRE CATTLE HERD

- Trait evaluated
- 305 Milk Yield (305MY)

RESULTS

- Average 305 milk yield per cow = 3444.9 Kgs
- Highest yield = 11,479 Kgs
- Lowest yield = 404 Kgs
- Highest number of lactations = 7
- No. of herds = 94







Aryshire Cattle Breeders Society of Kenya (ACBK)
The Economic and Profitable Breed for Kenya



Vision
To develop and improve the Aryshire breed in Kenya.

Mission
The Society is dedicated to improvement of the Aryshire breed and the use of the breed in production of quality beef and quality breeding stock in Kenya.

Objectives
To improve the quality of the Aryshire breed in Kenya.
To provide a platform for the Aryshire breeders in Kenya to discuss and share their experiences and knowledge.
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Membership
The Society is open to all Aryshire breeders in Kenya. The membership fee is KES 10,000 per annum. The fee includes a membership card, a copy of the Aryshire breed book, and access to the Aryshire breed database.



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CCK

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UNITING REGIONAL LIVESTOCK FARMERS

CHAMPION

Brookside LIVESTOCK BREEDERS

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CHAMPION

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BREEDERS
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Partnerships

- We have had partnerships with several Ayrshire Societies in the World including
 - South Africa,
 - United Kingdom
 - New Zealand and
 - Finlandthrough exchange programmes

Welcome to Kenya

- To see the largest population of Ayrshire Cattle in the World
- Witness Hospitality of Kenyas
- Watch Wild life in their natural habitat
- See the eighth wonder in the world(Wild Beast migration in Maasai Mara)
- See the Great Rift Valley and its unique features:-
Fresh water lakes ,volcanos ,hot springs

We would propose to host the 2024 Conference

THANKS FOR YOUR ATTENTION