Beef Cattle Breeds

- Eastern Red Pied
- Charolais
Kingdom
Phylum
Class
Order
Family
Genus
Species

• Water buffalo
• American buffalo
• Cattle
  • **BOS INDICUS**
  • **BOS TAURUS**
  • Yak (*BOS GRUNNIENS*)
Breed

A group of animals descending from a common ancestry and possessing certain common characteristics which distinguish it from any other group.
To cause to reproduce, especially by controlled mating and selection. To develop new or improved strains in animals or plants.
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Cattle Breeds

Multi purpose
Dual Purpose
One Purpose
The purpose: Milk, Beef, Draft-work and travel
Breeds of cattle:

1. British breeds
2. Continental breeds or “exotic” breeds
3. Asian breeds
4. Composite or “synthetic” breeds
1. British breeds
   a. *Bos taurus*
      • examples = *Angus*, *Hereford*, *Shorthorn*
   b. Characteristics

1. Mature & fatten earlier
2. Grow less rapidly
3. Smaller at maturity
4. Less muscular
5. More fertile
6. Less calving difficulty (less dystocia)
7. Live & reproduce longer
8. Poorer yield grades
9. Higher quality grades (more marbling)
Angus

Shorthorn

Hereford

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2. Continental breeds or “exotic” breeds

a. *Bos taurus* (from European continent) examples = Simmental, Charolais, Limousin

b. Characteristics
   1. mature & fatten later
   2. grow more rapidly
   3. larger at maturity
   4. heavily muscled
   5. less fertile
   6. more dystocia
   7. shorter reproductive life-span
   8. better yield grades
   9. lower quality grades (less marbling)
3. Asian breeds

a. Zebu cattle - *Bos indicus*, example = Brahma

- Characteristics
  1. heat tolerant
  2. disease / parasite resistant
  3. good maternal instincts
  4. good milking ability
  5. least calving difficulty
Brahman
4 Composite or “synthetic” breeds

a. first breeds developed in U.S. from *Bos taurus* x *Bos indicus*
   - examples - all have some Brahman breeding
     1. **Santa Gertrudis** 1st U.S. breed, developed at King Ranch in Texas
     2. **Brangus**, **Beefmaster**, **Simbrah**
   - can also be *Bos taurus* x *Bos taurus* - RX3

b. Characteristics - match genotype to environment
   1. heat tolerance, resistance to diseases and parasites, maternal qualities - from Brahma
   2. Carcass quality - marbling from British breeds or growth & muscling from continental breeds
Cattle Domestication

Cattle were domesticated 10,000 - 15,000 years ago near the boundary of Europe and Asia and/or Southwest Asia. This area includes the countries of:

- Russia
- Moldavia
- Turkey
- Turkmenistan
- Ukraine
- Iran
- Syria
- Iraq

In the beginning, cattle were used mainly for meat, milk and labor but eventually were replaced by horses in most of the draft work.
1. Aberdeen Angus  
2. Hereford  
3. Jersey  
4. Charolais  
5. Simmental  
6. Friesian  
7. N’Dama  
8. White Fulani  
9. Kenana  
10. Butana  
11. Tharparkar  
12. Sahiwal  
13. Hariana
Polled Breeds of Scandinavia and British Isles

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Lowland Breeds of Northwestern Europe

- Holstein
- Shorthorn
- Poll Hereford
- Belgian Blue
Solid-Colored Breeds of Europe

- Brown Swiss
- Limousin
- Devon
- Salers (Sa' Lair)

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Red, Yellow and Pie Mountain Breeds of Central and Eastern Europe and Charolais

- Pinzgauer
- Gelbvieh (Gelp-fee)
- Simmental
- Charolais

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Longhorned Breeds of Western Europe

Welsh Black

Longhorn
Grey Steppe Breeds of Southeastern Europe and Related Italian Breeds

Piedmontese

Chianina

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Short horned Breeds of Caucasus, Asia Minor, and the Middle East

1980 Baladi Israel

1955 Baladi Israel

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Indo-Pakistani Zebu Breeds

- Gir
- Sahiwal
- Kankrej

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Breeds of South and East Russia, China, Japan and South Asia

Wagyu

Hanwoo

Qinchuan

Chichwan

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North and West African Humpless Breeds

Kuri

N'Dama

Somba

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West African Zebu Breeds

Shuwa

Banyo

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East African Zebu breeds

- Boran
- Kenana

origin

breed
African Zebu-Sanga Breeds

Masai

Mashona

Provided by: Drew Conroy

Provided by: Jim Weaver
African Sanga Breeds

- Africander
- Bonsmara
- Tuli
Criollo Breeds of Latin America and Caribbean

Texas Longhorn

Florida Scrub
Zebu and Zebu-Taurine Crossbred of the New World and Australia

- Brahman
- Santa Gertrudis
- Brangus
- Droughtmaster

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Africander - Sanga - South Africa

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From Breeds of Livestock - Oklahoma State University
Ankole - Sanga - Uganda

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From Breeds of Livestock - Oklahoma State University
Nguni - Sanga - South Africa

From Breeds of Livestock - Oklahoma State University
Tuli - Sanga - Zimbabwe

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North American Composite Cattle Breeds

several involve indicus cattle
Brahman  Guzerat-Nellore-Gir  
United States
Beefmaster  1/2 Brahman: 1/4 Hereford: 1/4 Shorthorn
Texas

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Braford  5/8 Hereford: 3/8 Brahman  
Florida
Brahmousin   5/8 Limousin: 3/8 Brahman

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Brangus  5/8 Angus: 3/8 Brahman
Louisiana   (reason that 5/8:3/8 was normalized)
Charbray - 5/8 Charolais: 3/8 Brahman

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Gelbray 1/4 to 3/8 Gelvbieh: 0 to 1/2 Red Angus: 1/8 to 3/8 Brahman
Red Brangus  Angus and Brahman  Texas

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Santa Gertrudis 5/8 Shorthorn:3/8 Angus Texas

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Simbrah  Simmental-Brahman
Gulf Coast
Santa Cruz 1/2 Santa Gertrudis-1/4 Red Angus-1/4 Gelbvieh
Texas

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RX3  Hereford-Red Holstein-Red Angus
North Central US

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Amerifax - 5/8 Angus:3/8 Holstein
United States
Salorn  5/8 Salers: 3/8 Longhorn
Texas

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Texon Texas Longhorn - Devon Texas

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Barzona Africander - Hereford - Shorthorn - Angus
Arizona

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Hays Converter  Holstein-Brown Swiss-Hereford  Canada
Other Composite Cattle Breeds
Bonsmara 5/8 Afrikaner: 3/8 Hereford or Shorthorn
South Africa

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Droughtmaster 1/2 Shorthorn:1/2 Brahman
Australia

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Ankole-Watusi - Uganda and Rwanda
cross of Ankole and Watuse (both Sanga type)
Senepol  Red Poll-N’đama
Virgin Islands
Beefmaker  Simmental-Hereford
Australia

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