



# Classification of Buffalo Breeds in India

## Murrah group

- i. Murrah
- ii. Nili-Ravi
- iii. Kundi
- iv. Godavari

## Gujrat group

- i. Surti
- ii. Jafrabadi

## Uttar Pradesh group

- i. Bhadawari
- ii. Tarai

## Central India group

- i. Nagpuri
- ii. Pandhepuri
- iii. Manda
- iv. Jerangi
- v. Sambalpur
- vi. Kalhandi

## South India group

- i. Toda
- ii. South Kanara



Holstein Cow

# Breeds of Buffalo

## Murrah

- The home tract is mainly in Punjab and Delhi.
- Massive body, neck and head comparatively long,
- Horns short and tightly curled.
- Udder well developed, hip broad.
- Popular color is jet black with markings on the tail, face and extremities.
- Male: 450-800kg, unusual specimen may attain 1000kg.
- Female: 350-700kg, exceptionally up to 900kg.





# Breeds of Buffalo

## Murrah

- Av. height at withers, male: 142cm and female:133 cm.
- The buffalo cows of this breed are one of the most efficient milk and butter fat producers in India.
- Butter fat content is 7%. Average lactation yield is varying from 1500-2500 kgs and the average milk yield is 6.8 kgs /day.
- It is also used for the grading up of inferior local buffaloes.



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# Breeds of Buffalo

## Nili-Ravi

- The breed is found in Sutlej valley in Ferozepur district of Punjab state and in the Sahiwal district of Pakistan.
- The head is elongate, bulging at top and depressed between eyes.
- The muzzle is fine. The frame is medium sized.
- The horns are small and coiled tightly.
- Neck is long, thin and fine. The naval is very small.
- The udder is well developed.





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# Breeds of Buffalo

## Nili-Ravi

- Usually the color is black with white markings on forehead, face, muzzle and legs but brown is not uncommon.
  - Pink markings are sometimes seen on the udder and brisket.
  - Tail is long, almost touching to the ground
  - Ravi breed is heavier than Nili buffalo, but their yields are hardly to be distinguished from them. Therefore, they are not regarded to be different breeds.
  - Females are high milker, av. lactation yield 1600kg in a lactation period of 250 days.
  - Males are used for draught work.
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# Breeds of Buffalo

## Surti



- The home of this breed is in the south-western part of Gujarat district in India.
- The best animal of this breed is found in Anand, Nadiad and Baroda district.
- Horns are flat, of medium length, sickle shaped and are directed downward and backward, and then turn upward at the tip to form a hook.
- The body is well shaped and medium sized.
- Surti breed has got a unique straight back.



# Breeds of Buffalo

## Surti

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- The head is elongated, fairly broad and rounded between the horns.
- The colour is black or brown.
- The tuft of tail is sometimes white.
- Mature male: 500 kg and female:410 kg.
- Av. milk yield 2090 litre in a mean lactation period of 350 days.
- Females are good milker, the bullocks are good for light work.



# Breeds of Buffalo

## Jaffrabadi

- Found in Kathiawar district of Gujarat in India.
- Noticeable feature is very prominent forehead .
- Color is usually black.
- Heavy horns which are inclined to droop on each side of the neck and turn up at the points into an incomplete coil, not as the tight curl of the Murrah.
- Animals are massive and long barrelled.







# Breeds of Buffalo

## Jaffrabadi

- Dewlap and udder are well developed.
- Live weight: male- 590 kg, female-450 kg.
- Heavy milkers ranging from 15 to 18 kg per day.
- Butter fat percentage is high and milk is valued for preparation of ghee.
- The bulls haul heavy loads.



# Breeds of Buffalo

## Nagpuri

➤ The home tract is the Nagpur region of Maharashtra state and adjoining areas of Andhra Pradesh and madhya Pradesh of India.

➤ The colour is usually black; occasionally white markings are observed on the face, legs, and switch.

➤ It has long, flat, curved horns carried back on each side of the neck, nearly to the shoulders.

➤ Tail is comparatively shorter, reaching below the hocks.





# Breeds of Buffalo

## Nagpuri

- Adult live weight: male-525 kg, female-425kg.
- Height at withers: male-142cm, female-132cm.
- Females are moderately good yielders, producing an av. 1000 litres milk per lactation of 300 days.
- The males are used for draught but are slow.



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# Breeds of Buffalo

## Toda

- Name of breed originates from the name of *Toda* tribes of Nilgiri hills of Tamil Nadu State who rear this breed.
- Horns are usually set wide apart run outward, upward, and then inward at the top.
- Face is short and wide.
- Along the crest of neck, hump area and back, there is a thick growth of hair like a mane.
- Females are good milkers, yields between 4.5-8.5 litres daily an average of 7.0% fat
- Milk possesses typical well flavoured taste.





Holstein Cow

# Breeds of Buffalo

## Bhadawari

- The home is the Bhadawari state, Agra and the adjoining areas of Gwalior state of India.
- Color is copper, scanty hairs.
- Horns are flat, compact and of average thickness, growing backwards and then upwards, turning inwards with slightly pointed tips.
- Males are usually used for draught and can stand heat better than the other breeds.
- Av. Milk yield is only 3 litre per day, butter fat content may be as high as 13% .



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**THANKS TO ALL**

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