

ERRATA

As desired by the author following breed descriptor may be read instead of the one published in *The Indian Journal of Animal Sciences* **78** (4):433-38.

Breed Descriptor of Surti buffalo

National Bureau of Animal Genetic Resources, Karnal, Haryana 132 001 India

Accession No. INDIA_BUFFALO_0400_SURTI_01005

I. GENERAL DESCRIPTION

- | | |
|--|--|
| 1. Name of the breed | Surti |
| 2. Synonyms | Gujarati, Deccani, Deshi, Charotari, Nadiadi, Talabda |
| 3. Background for such a name/origin | Place of its origin |
| 4. Native tract of distribution | |
| State | <u>District(s)</u> |
| Gujarat | Surat, Bharuch, Vadodra, Kheda |
| 5. Estimated population | |
| Year of estimation | 2006 |
| Population | Five lakh |
| Source / Reference | Network Project on Animal Genetic Resources, NBAGR, Karnal |
| 6a. Communities responsible | Local farmers for developing the breed |
| b. Description of community | Small and marginal farmers |
| 7. Herd Book / Register established | No |
| 8. Utility of the breed (Milk/meat/draught/manure) | Milk |

II. PHYSICAL CHARACTERS

- | | | |
|-------------|---|--|
| 1. Colour | | |
| | <u>Male</u> | <u>Female</u> |
| Coat colour | Black (74%)
Gray (23%) | Black (74%)
Grey (26%) |
| Muzzle | Black (84%)
Brown (16%) | Black (92%)
Brown (8%) |
| Eyelids | Black (69%)
White (23%)
Grey (8%) | Black (69%)
White (23%)
Grey (8%) |
| Tail Switch | White (44%)
Black (26%)
Black & Black & White (30%) | White (47%)
Black (35%)
White (18%) |
| Hooves | Rusty Gray (87%)
Brown (12%)
Pink (1%) | Rusty Gray (88%)
Brown (11%)
Pink (1%) |

- | | | |
|--------------------------------------|--------------------------------|---------------------------------|
| 2. Horns | | |
| | <u>Male</u> | <u>Female</u> |
| Colour | Rusty Gray (87%)
Brown (13) | Rusty Gray (76%)
Brown (24%) |
| Size | - | 39.90 cm |
| Shape | Straight (71%)
Curved (29%) | Straight (32%)
Curved (68%) |
| Orientation | Upward pointing (50%) | Upward pointing (46%) |
| Inward | Backward pointing (30%) | Backward pointing (15%) |
| 3. Ears | | |
| Length | Male - 18.84 cm | Female - 22.83 cm |
| Orientation | Horizontal (79%) | Drooping (21%) |
| 4. Forehead | | |
| Length | 47.68 cm | |
| Poll | Prominent (15.23%) | Not prominent (84.77%) |
| White marking | | 6.90 % |
| 5. Body | | |
| | <u>Male</u> | <u>Female</u> |
| Hump (large/medium/small) | Medium | Small |
| Dewlap (large/medium/small) | Small | Small |
| Naval flap (large/medium/small) | Small | Small |
| Penis sheath flap | Small to medium | Small to medium |
| 6. Udder | | |
| Shape (bowl/round/trough/pendulous) | Round, and bowl | |
| Udder size (large/medium/small) | Medium | |
| Teat shape (cylindrical/funnel/pear) | Cylindrical, and funnel | |
| Teat tip (pointed/round/flap) | Round, and pointed | |
| Milk vein (prominent/not prominent) | Prominent | |

III. PERFORMANCE

1. Body weights (kg) and measurements (cm)

Parameter	Male		Female	
	Average	Range	Average	Range
Birth weight	26.3	24 - 30	24.5	23 - 29
Adult weight	435	-	401	-
Chest-girth	176	-	171	-
Body length	153	-	149	-
Height at withers	133	-	130	-

2. Dairy performance

Parameter	First lactation		Overall lactations	
	Average	Range	Average	Range
Daily milk yield (kg)	3.25	1.3–6.8	5.66	1.3–10.4
Peak milk yield (kg)	7.63	4.3–10.0		4.1–11.0

Parameter	First lactation		Overall lactations	
	Average	Range	Average	Range
Lactation length (days)	266	212–318	292±10	200–364
Lactation milk yield (kg)	861	–	1667±73	–
Fat %	–	–	7.02	3.8–8.7

3. Reproduction performance (average) Female

Age at first mating (month)	39.10
Age at first calving (month)	44.90
Service period (month)	4.80
Calving interval (month)	14.86

4. Any other information specific to the breed Two white collars on neck region present in 68% animals.

Source: – Network Project on Animal Genetic Resources 2007, NBAGR, Karnal.
 – Animal Genetic Resources of India: Cattle and Buffalo ICAR publication- 2000.