**Breed Descriptor of Luit (Swamp) (Buffalo)**

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| **Male** | **Female** |
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| **Breeding Tract** |  |
| State: Assam | Biswanath |
|  | Majuli |
|  | Golaghat |
|  | Dhemaji |
|  | Tinsukia |
|  | Dibrugarh |
|  | Lakimpur |
|  | Sibsagar |
|  | Jorhat |
| **Location** |  |
| Longitude (deg.) | 93.17 - 95.63 |
| Latitude (deg.) | 26.58 - 27.27 |
| **General Information** |  |
| Synonyms | Assamese Swamp |
| Origin | Local. People of Assam have been traditionally rearing swamp buffaloes in the embankment and small islands of the mighty river Brahmaputra (luit), hence these buffaloes are named Luit. |
| Major utility | Milk and draught |
| Comments on utility | Bullocks are excellent draft animals for carting and ploughing specially in muddy field for paddy cultivation. |
| Comments on breeding tract | The Luit (Swamp) buffaloes are mostly distributed in the upper Brahmaputra valley of Assam covering nine districts of upper Assam. These buffaloes are also found in some areas of Manipur, Mizoram and Nagaland bordering Assam |
| Adaptability to environment |  |

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| **Population** |  |  |  |
|  | Year | Population | Other information |
|  | 2012 | 114951 | Source: 19th Livestock Census, A.H. & Vety. Deptt., Assam |

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| **Management** |  |
| Management system | Extensive |
| Mobility | Nomadic |
| Feeding of adults | Grazing,Fodder and Concentrate |
| Comments on Management | Large proportion of these buffaloes are reared on river islands, river banks and forest land in large groups, locally called khuti which means nomadic |

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| **Morphology** |  | | |
| Colour | Black | | |
| Horn shape and size | Curved laterally backward & then upward forming a semi circle. Male- 60.13cm,Female-57.13cm. | | |
| Visible characteristics | These swamp buffaloes are medium sized strongly built animals with prominent wither and short tail. The animals are characterized by broad and concave fore head with prominent eyes and wide muzzle, and distinct semi-circular horns in both sexes. They possess light white stocking up to the knee in both fore and hind legs | | |
|  | Male | Female | Overall |
| Height (avg. cm.) | 135.33 | 130.28 |  |
| Body Length (avg. cm.) | 128.0 | 126.24 |  |
| Heart girth (avg. cm.) | 211.14 | 193.25 |  |
| Body weight (avg. kg.) | 470.0 | 416.0 |  |
| Birth weight (avg. kg.) | 29.31 | 28.47 |  |

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| **Performance** |  | | |
|  | Average | Minimum | Maximum |
| Litter size born | 1.0 |  |  |
| Age at first parturition (months) | 53.55 | 48.0 | 60.0 |
| Parturition interval (months) | 15.31 | 15.0 | 17.0 |
| Milk yield per lactation (kg) | 449.4 | 385.0 | 505.0 |
| Milk Fat (%) | 8.68 | 7.8 | 10.9 |
| Any Peculiarity of the breed | The diploid no. of chromosome (2N) in Luit (Swamp) buffaloes is 48, out of which 23 pairs are autosomes and one pair is sex chromosome. The 4th pair of metacentric chromosome of swamp buffalo resulted from the tandem fusion of chromosome no.4 and 9 of riverine buffalo. | | |