

Breed Descriptor of Luit (Swamp) (Buffalo)



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