



Spatio-temporal dynamics of bovine population and milk production in Andhra Pradesh

C VIJAY VARDHAN REDDY, SHIVASWAMY GP[✉], MUNIANDY SIVARAM,
 MC ARUNMOZHI DEVI, S SUBASH and S JEYAKUMAR

ICAR-National Dairy Research Institute, Bengaluru-560 030, Karnataka, India

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Supplementary Table S1. District-wise density of cattle and buffaloes in Andhra Pradesh in 2007 and 2019

(number per km² of geographical area)

Districts	Cattle		Buffalo		Bovine	
	2007	2019	2007	2019	2007	2019
Anantapur	43	26	28	15	71	41
Chittoor	73	63	9	6	82	68
East Godavari	27	31	63	46	90	78
Guntur	12	8	105	78	117	86
Krishna	12	10	105	82	117	92
Kurnool	29	20	37	24	66	44
Prakasam	7	4	72	53	79	57
SPS Nellore	13	8	59	58	72	66
Srikakulam	139	98	21	8	160	106
Visakhapatnam	52	58	43	29	95	87
Vizianagaram	70	75	40	21	109	96
West Godavari	26	26	89	80	115	106
YSR Kadapa	11	9	33	32	44	41
Overall	39	34	54	41	94	74

Supplementary Table S2. District-wise changes in the population share of bovines in Andhra Pradesh in 2007 and 2019

(per cent of total bovine population)

Districts	Share of indigenous cattle		Share of crossbred cattle		Share of buffalo	
	2007	2019	2007	2019	2007	2019
Anantapur	53.32	34.65	7.20	28.86	39.46	36.47
Chittoor	28.59	11.59	60.16	80.04	11.23	8.36
East Godavari	20.56	31.18	9.36	9.17	70.06	59.64
Guntur	9.57	8.46	0.38	1.34	90.04	90.19
Krishna	9.13	9.16	1.06	1.37	89.79	89.46
Kurnool	44.18	43.67	0.27	2.21	55.53	54.10
Prakasam	8.10	5.82	0.18	1.04	91.71	93.13
SPS Nellore	16.78	10.61	1.39	2.01	81.82	87.36
Srikakulam	46.07	25.92	40.50	66.25	13.42	7.81
Visakhapatnam	40.15	47.65	14.53	19.39	45.31	32.95
Vizianagaram	39.94	24.51	23.89	53.81	36.15	21.67
West Godavari	17.54	17.98	5.14	6.27	77.31	75.74
YSR Kadapa	21.39	12.31	3.69	9.66	74.90	78.01
Total	27.33	21.81	12.90	21.65	59.75	56.53