

Estimated Breeding Values for Murrah buffalo bulls – Based on data from PLDB PT Project**Trait: 305 Day Milk Yield****Species: Buffalo****Breed: Murrah****Date of estimation: 29 December 2023**

Sr. No.	Bull ID	Semen station (Source)	Date of birth	No of Daughters used in analysis	No of records used for analysis	GBV MY	REL (%)
1	NBH-SONY	FSBS, NABHA	27-09-2009	185	1651	124.98	95.12
2	NBH-MULLA	FSBS, NABHA	20-08-2008	108	911	130.96	92.34
3	HIS-102699	FROSEN SEMEN BANK, HISSAR	04-11-2012	63	550	134.60	88.49
4	NBH-MAVI	FSBS, NABHA	14-05-2008	60	504	51.59	87.63
5	HIS-PC-574	FROSEN SEMEN BANK, HISSAR	11-11-2009	58	479	208.85	87.41
6	NBH-MOHALI	FSBS, NABHA	02-02-2011	52	437	-20.81	86.97
7	NBH-MATHURA	FSBS, NABHA	03-10-2007	51	437	-276.69	86.83
8	NBH-MEDAL	FSBS, NABHA	16-10-2009	50	424	-32.26	86.55
9	NBH-MOHI	FSBS, NABHA	18-08-2008	53	424	-102.20	86.50
10	HIS-PC-575	FROSEN SEMEN BANK, HISSAR	02-09-2009	48	412	108.14	86.00
11	NBH-BOND	FSBS, NABHA	28-07-2008	50	439	14.59	85.92
12	NBH-MICAL	FSBS, NABHA	29-09-2007	50	456	-21.68	85.84
13	NBH-MITTAR	FSBS, NABHA	10-06-2011	44	384	-59.12	85.75
14	NBH-MINDA	FSBS, NABHA	05-04-2008	48	409	76.02	85.73
15	NBH-MAKHAN	FSBS, NABHA	20-08-2009	45	361	-54.37	85.41
16	NBH-MALUKA	FSBS, NABHA	10-07-2008	43	390	-99.11	85.35
17	NBH-MEER	FSBS, NABHA	01-11-2009	44	382	-174.80	85.34
18	NBH-MAJNU	FSBS, NABHA	17-08-2009	43	345	48.96	85.15
19	NBH-MOHIT	FSBS, NABHA	10-01-2008	43	367	-93.37	84.80
20	NBH-MIG	FSBS, NABHA	10-09-2009	42	342	-82.79	84.70
21	NBH-MADHUR	FSBS, NABHA	15-09-2008	41	337	-101.35	84.67
22	ROP-MILAP	FSS,ROPAR	14-12-2010	41	355	155.90	84.65
23	NBH-MEEDY	FSBS, NABHA	21-04-2008	41	344	105.53	84.57
24	NBH-MATHEW	FSBS, NABHA	19-02-2009	41	364	32.13	84.45
25	NBH-MANILA	FSBS, NABHA	05-01-2007	39	336	-183.22	84.39
26	HIS-MR-102699	FROSEN SEMEN BANK, HISSAR	04-11-2012	41	362	194.70	84.34
27	NBH-MEHTA	FSBS, NABHA	26-06-2008	39	336	-93.74	84.33
28	NBH-MAJID	FSBS, NABHA	28-07-2010	40	355	26.83	84.33
29	NBH-MOLANA	FSBS, NABHA	03-08-2009	39	354	106.97	84.33
30	SAG-BM-264	SABARMATI ASHRAM	10-05-2005	41	349	-70.63	84.31

Sr. No.	Bull ID	Semen station (Source)	Date of birth	No of Daughters used in analysis	No of records used for analysis	GBV MY	REL (%)
		GAUSHALA, BIDAJ					
31	NBH-MALANG	FSBS, NABHA	03-09-2010	39	365	119.02	84.27
32	NBH-MANDU	FSBS, NABHA	05-11-2009	41	334	124.77	84.13
33	NBH-MISSILE	FSBS, NABHA	01-07-2009	38	328	-275.16	83.96
34	NBH-MANJIT	FSBS, NABHA	18-08-2007	37	340	-140.23	83.91
35	NBH-MEHNDI	FSBS, NABHA	02-10-2008	37	315	-25.73	83.91
36	NBH-MELA	FSBS, NABHA	03-10-2007	38	317	-230.03	83.86
37	NBH-MALINGA	FSBS, NABHA	01-12-2009	38	315	7.84	83.68
38	NBH-MOBILE	FSBS, NABHA	02-08-2007	37	318	-151.68	83.59
39	NBH-MAXON	FSBS, NABHA	20-09-2007	40	317	-249.92	83.40
40	NBH-MUNISH	FSBS, NABHA	25-08-2008	37	309	151.22	83.27
41	NBH-MACHHAR	FSBS, NABHA	26-06-2007	35	307	38.03	83.11
42	NBH-MATRU	FSBS, NABHA	18-04-2007	36	304	113.59	83.01
43	ROP-MILANO	FSS,ROPAR	09-09-2009	35	293	-71.81	82.92
44	NBH-MINTU	FSBS, NABHA	04-07-2007	36	298	-21.95	82.88
45	NBH-MANAV	FSBS, NABHA	13-12-2009	36	297	-197.47	82.87
46	NBH-MAYUR	FSBS, NABHA	10-09-2012	37	310	-31.69	82.83
47	NBH-MOFAR	FSBS, NABHA	20-06-2006	35	281	-84.86	82.80
48	NBH-MARSHAL	FSBS, NABHA	02-10-2009	36	268	-258.83	82.77
49	NBH-MAGHI	FSBS, NABHA	30-09-2009	35	289	-71.60	82.68
50	ROP-MIAN	FSS,ROPAR	21-07-2009	33	303	-43.39	82.63
51	NBH-MASON	FSBS, NABHA	11-09-2007	34	284	35.62	82.62
52	NBH-MURARI	FSBS, NABHA	19-06-2009	34	299	41.91	82.53
53	NBH-MURTZA	FSBS, NABHA	28-12-2010	34	276	-222.86	82.49
54	NBH-MAKBUL	FSBS, NABHA	01-09-2009	34	306	85.67	82.37
55	ROP-MEET	FSS,ROPAR	10-07-2009	33	285	-331.77	82.36
56	NBH-MOHAN	FSBS, NABHA	10-06-2012	34	292	-350.97	82.31
57	NBH-METER	FSBS, NABHA	06-08-2008	33	278	18.18	82.17
58	NBH-MUKHI	FSBS, NABHA	14-02-2009	34	279	6.91	81.94
59	NBH-MANSA	FSBS, NABHA	09-10-2008	33	272	7.24	81.92
60	NBH-MARINA	FSBS, NABHA	27-02-2009	33	255	-26.58	81.85
61	NBH-MONTEK	FSBS, NABHA	23-05-2008	33	287	-92.51	81.84
62	NBH-MANGO	FSBS, NABHA	27-07-2009	33	281	66.41	81.73
63	NBH-MINHAS	FSBS, NABHA	01-07-2010	33	255	235.94	81.58
64	NBH-MAJHA	FSBS, NABHA	01-07-2008	30	259	-67.12	81.30
65	NBH-MASHAL	FSBS, NABHA	27-10-2009	31	259	-212.44	81.25
66	NBH-MEHAR	FSBS, NABHA	05-10-2007	31	270	-134.08	81.07
67	NBH-MUKUND	FSBS, NABHA	28-07-2006	31	247	-206.58	80.96
68	NBH-MISHRI	FSBS, NABHA	12-08-2010	30	245	-100.50	80.81

Sr. No.	Bull ID	Semen station (Source)	Date of birth	No of Daughters used in analysis	No of records used for analysis	GBV MY	REL (%)
69	SAG-BM-347	SABARMATI ASHRAM GAUSHALA, BIDAJ	09-10-2009	29	247	240.63	80.77
70	NBH-MUSA	FSBS, NABHA	02-01-2008	30	259	72.97	80.68
71	NBH-MAGNET	FSBS, NABHA	11-10-2009	29	244	111.40	80.62
72	NBH-MALAH	FSBS, NABHA	09-03-2009	29	243	-215.08	80.57
73	NBH-MARCH	FSBS, NABHA	11-10-2007	30	223	-88.13	80.43
74	ROP-MAX	FSS,ROPAR	05-11-2009	29	237	119.84	80.40
75	NBH-MIRCH	FSBS, NABHA	25-12-2010	28	253	-91.73	80.25
76	NBH-MOTI	FSBS, NABHA	07-01-2011	28	216	121.77	80.03
77	NBH-MONU	FSBS, NABHA	27-10-2012	27	235	3.76	79.80
78	NBH-MOKSH	FSBS, NABHA	25-05-2008	28	237	-51.02	79.79
79	NBH-MESSY	FSBS, NABHA	10-12-2011	28	234	95.88	79.56
80	ROP-MALO	FSS,ROPAR	10-11-2009	26	228	98.52	79.10
81	NBH-MAFIA	FSBS, NABHA	22-08-2012	27	215	-111.06	78.96
82	ROP-MIRZA	FSS,ROPAR	22-10-2009	26	223	59.32	78.95
83	NBH-MIRAJ	FSBS, NABHA	01-07-2012	27	219	155.69	78.92
84	NBH-MOJI	FSBS, NABHA	05-08-2008	25	214	148.57	78.58
85	ROP-MIKADO	FSS,ROPAR	15-12-2009	25	202	112.04	78.42
86	ROP-MARUTI	FSS,ROPAR	18-09-2009	24	213	167.18	78.36
87	NBH-MITHU	FSBS, NABHA	18-08-2009	23	193	-193.57	77.89
88	NBH-MAGIC	FSBS, NABHA	09-09-2012	25	215	162.70	77.68
89	NBH-MIDAS	FSBS, NABHA	23-09-2009	25	207	78.78	77.64
90	NBH-MAPPLE	FSBS, NABHA	25-09-2011	23	193	66.41	77.31
91	NBH-MAST	FSBS, NABHA	07-07-2011	22	196	138.26	77.14
92	NBH-MUKAT	FSBS, NABHA	10-10-2007	22	168	-104.31	77.01
93	HIS-154-M	FROSEN SEMEN BANK, HISSAR	02-06-2009	24	179	114.76	76.95
94	NBH-MADHAV	FSBS, NABHA	18-07-2007	23	170	-182.99	76.90
95	ROP-MELODY	FSS,ROPAR	01-01-2010	22	194	193.03	76.72
96	NBH-MUDRA	FSBS, NABHA	16-07-2009	21	182	-180.53	76.69
97	NBH-MEGH	FSBS, NABHA	12-09-2007	21	192	-100.68	76.63
98	NBH-MOOLI	FSBS, NABHA	14-12-2010	22	188	-156.83	76.55
99	ROP-MAINA	FSS,ROPAR	01-01-2011	21	174	233.22	76.16
100	HIS-PC-483	FROSEN SEMEN BANK, HISSAR	21-06-2007	21	172	89.36	75.81
101	NBH-MARSH	FSBS, NABHA	18-12-2009	20	175	-13.69	75.25
102	NBH-MANNAT	FSBS, NABHA	25-09-2008	20	161	-90.09	75.21
103	NBH-MOR	FSBS, NABHA	05-11-2011	22	175	95.92	75.02
104	NBH-MULTAN	FSBS, NABHA	04-08-2012	18	163	-188.17	74.41

Sr. No.	Bull ID	Semen station (Source)	Date of birth	No of Daughters used in analysis	No of records used for analysis	GBV MY	REL (%)
105	HIS-8864	FROSEN SEMEN BANK, HISSAR	05-12-2010	17	148	46.55	73.54
106	HIS-PC-476	FROSEN SEMEN BANK, HISSAR	23-07-2008	17	153	275.39	73.17
107	HIS-314269	FROSEN SEMEN BANK, HISSAR	07-08-2011	17	123	-42.15	72.15
108	NBH-MALIK	FSBS, NABHA	01-09-2012	16	142	83.40	72.00
109	NBH-MOODY	FSBS, NABHA	10-12-2007	15	131	-57.22	71.78
110	NBH-MUFTI	FSBS, NABHA	06-05-2012	17	117	-48.67	71.71
111	GUR-MR-1211	FROSEN SEMEN BANK, GURGAON.	15-08-2011	16	127	-37.17	71.59
112	HIS-MR-102622	FROSEN SEMEN BANK, HISSAR	06-10-2012	16	127	158.71	71.43
113	HIS-312634	FROSEN SEMEN BANK, HISSAR	05-12-2010	14	132	217.76	70.36
114	SAG-BM-295	SABARMATI ASHRAM GAUSHALA, BIDAJ	17-10-2005	14	105	-16.17	70.03

Trait: 305 Day Fat Yield & Fat %

Species: Buffalo

Breed: Murrah

Date of estimation: 29 December 2023

Sr. No.	Bull ID	Semen station (Source)	Date of birth	No of Daughters used in analysis	No of records used for analysis	GBV Fat yield	GBV Fat %	REL (%)
1	NBH-SONY	FSBS, NABHA	27-09-2009	178	1537	10.80	-0.05	93.30
2	NBH-MULLA	FSBS, NABHA	20-08-2008	104	828	14.06	-0.16	89.34
3	HIS-102699	FROSEN SEMEN BANK, HISSAR	04-11-2012	60	527	12.00	-0.07	84.14
4	HIS-PC-574	FROSEN SEMEN BANK, HISSAR	11-11-2009	57	470	14.60	0.06	82.94
5	NBH-MAVI	FSBS, NABHA	14-05-2008	54	424	1.20	0.12	82.11
6	NBH-MOHALI	FSBS, NABHA	02-02-2011	50	397	-1.11	-0.02	82.10
7	NBH-MATHURA	FSBS, NABHA	03-10-2007	48	398	-23.55	0.11	81.57
8	HIS-PC-575	FROSEN SEMEN BANK, HISSAR	02-09-2009	48	406	9.52	-0.05	81.29
9	NBH-MITTAR	FSBS, NABHA	10-06-2011	43	341	-4.28	-0.01	80.55

Sr. No.	Bull ID	Semen station (Source)	Date of birth	No of Daughters used in analysis	No of records used for analysis	GBV Fat yield	GBV Fat %	REL (%)
10	NBH-MEDAL	FSBS, NABHA	16-10-2009	44	341	2.18	-0.21	80.26
11	NBH-BOND	FSBS, NABHA	28-07-2008	45	376	10.14	-0.40	80.14
12	NBH-MOHI	FSBS, NABHA	18-08-2008	45	348	-7.15	-0.04	80.08
13	NBH-MALUKA	FSBS, NABHA	10-07-2008	41	353	-9.87	0.10	79.94
14	NBH-MICAL	FSBS, NABHA	29-09-2007	45	378	-5.57	0.18	79.92
15	NBH-MAKHAN	FSBS, NABHA	20-08-2009	42	316	-1.98	-0.10	79.73
16	NBH-MEER	FSBS, NABHA	01-11-2009	41	340	-10.63	-0.14	79.66
17	NBH-MINDA	FSBS, NABHA	05-04-2008	42	343	-2.09	0.34	79.50
18	NBH-MAJNU	FSBS, NABHA	17-08-2009	40	297	0.91	0.13	79.17
19	NBH-MANILA	FSBS, NABHA	05-01-2007	39	312	-11.69	-0.12	79.14
20	NBH-MALANG	FSBS, NABHA	03-09-2010	39	341	6.84	0.10	79.09
21	NBH-MAJID	FSBS, NABHA	28-07-2010	39	336	3.04	-0.04	79.05
22	ROP-MILAP	FSS,ROPAR	14-12-2010	39	321	14.16	-0.09	78.92
23	HIS-MR-102699	FROSEN SEMEN BANK, HISSAR	04-11-2012	39	343	11.60	0.14	78.79
24	NBH-MOLANA	FSBS, NABHA	03-08-2009	37	312	2.71	0.24	78.50
25	NBH-MOHIT	FSBS, NABHA	10-01-2008	39	306	-3.18	-0.19	78.43
26	NBH-MATHEW	FSBS, NABHA	19-02-2009	38	322	-1.71	0.18	78.40
27	NBH-MADHUR	FSBS, NABHA	15-09-2008	37	284	0.58	-0.39	78.29
28	SAG-BM-264	SABARMATI ASHRAM GAUSHALA, BIDAJ	10-05-2005	38	314	-4.97	-0.02	78.18
29	NBH-MEHNDI	FSBS, NABHA	02-10-2008	35	288	-3.40	0.06	77.96
30	NBH-MISSILE	FSBS, NABHA	01-07-2009	36	292	-22.00	0.03	77.92
31	NBH-MEEDY	FSBS, NABHA	21-04-2008	36	295	11.73	-0.15	77.64
32	NBH-MANJIT	FSBS, NABHA	18-08-2007	34	292	-13.03	0.10	77.58
33	NBH-MEHTA	FSBS, NABHA	26-06-2008	35	265	-7.91	0.03	77.54
34	NBH-MELA	FSBS, NABHA	03-10-2007	35	272	-16.78	-0.05	77.31
35	NBH-MAYUR	FSBS, NABHA	10-09-2012	37	308	-6.42	0.18	77.29
36	ROP-MIAN	FSS,ROPAR	21-07-2009	33	296	-3.39	0.00	77.23
37	ROP-MILANO	FSS,ROPAR	09-09-2009	34	282	-10.65	0.23	77.14
38	NBH-MIG	FSBS, NABHA	10-09-2009	34	273	-3.62	-0.13	77.10
39	NBH-MURARI	FSBS, NABHA	19-06-2009	34	282	2.08	0.05	76.94
40	NBH-MASON	FSBS, NABHA	11-09-2007	34	258	9.09	-0.28	76.82
41	NBH-MOHAN	FSBS, NABHA	10-06-2012	34	289	-21.62	-0.30	76.67

Sr. No.	Bull ID	Semen station (Source)	Date of birth	No of Daughters used in analysis	No of records used for analysis	GBV Fat yield	GBV Fat %	REL (%)
42	NBH-MALINGA	FSBS, NABHA	01-12-2009	33	260	5.31	-0.21	76.54
43	ROP-MEET	FSS,ROPAR	10-07-2009	32	272	-25.92	0.01	76.45
44	NBH-MACHHAR	FSBS, NABHA	26-06-2007	32	252	1.73	0.05	76.04
45	NBH-MUNISH	FSBS, NABHA	25-08-2008	32	245	11.06	0.03	75.82
46	NBH-MOFAR	FSBS, NABHA	20-06-2006	31	245	-1.81	-0.22	75.78
47	NBH-MATRU	FSBS, NABHA	18-04-2007	31	253	9.53	-0.03	75.51
48	NBH-MOBILE	FSBS, NABHA	02-08-2007	30	233	2.83	-0.70	75.46
49	NBH-MAGHI	FSBS, NABHA	30-09-2009	31	235	-0.97	-0.21	75.38
50	NBH-MANSA	FSBS, NABHA	09-10-2008	31	239	0.98	-0.02	75.34
51	NBH-MAJHA	FSBS, NABHA	01-07-2008	30	237	-3.20	-0.09	75.28
52	NBH-MANAV	FSBS, NABHA	13-12-2009	31	246	-8.66	-0.33	75.24
53	NBH-MURTZA	FSBS, NABHA	28-12-2010	30	237	-11.83	-0.27	75.23
54	NBH-METER	FSBS, NABHA	06-08-2008	30	228	3.22	-0.08	75.15
55	NBH-MARSHAL	FSBS, NABHA	02-10-2009	31	229	-15.00	-0.26	75.13
56	NBH-MONTEK	FSBS, NABHA	23-05-2008	31	258	-2.54	-0.22	75.10
57	NBH-MINTU	FSBS, NABHA	04-07-2007	30	229	0.17	-0.08	74.98
58	NBH-MARINA	FSBS, NABHA	27-02-2009	31	220	6.91	-0.41	74.81
59	NBH-MANDU	FSBS, NABHA	05-11-2009	30	238	11.71	-0.09	74.71
60	NBH-MINHAS	FSBS, NABHA	01-07-2010	30	231	25.37	-0.29	74.55
61	NBH-MEHAR	FSBS, NABHA	05-10-2007	29	249	-9.04	-0.06	74.35
62	NBH-MAKBUL	FSBS, NABHA	01-09-2009	29	247	3.01	0.16	74.31
63	ROP-MAX	FSS,ROPAR	05-11-2009	29	223	5.74	0.15	74.26
64	NBH-MAXON	FSBS, NABHA	20-09-2007	31	232	-10.78	-0.43	74.17
65	NBH-MISHRI	FSBS, NABHA	12-08-2010	28	227	-0.53	-0.34	74.07
66	NBH-MALAH	FSBS, NABHA	09-03-2009	28	218	-14.31	-0.12	73.95
67	NBH-MUKHI	FSBS, NABHA	14-02-2009	29	218	-4.68	0.23	73.90
68	NBH-MASHAL	FSBS, NABHA	27-10-2009	27	223	-19.08	0.13	73.51
69	NBH-MESSY	FSBS, NABHA	10-12-2011	28	228	6.77	0.03	73.28
70	NBH-MONU	FSBS, NABHA	27-10-2012	26	221	-2.75	0.14	73.13
71	ROP-MALO	FSS,ROPAR	10-11-2009	26	227	6.13	0.06	72.80
72	ROP-MIRZA	FSS,ROPAR	22-10-2009	26	218	-1.93	0.28	72.63
73	NBH-MIRCH	FSBS, NABHA	25-12-2010	25	213	-6.59	-0.02	72.58
74	SAG-BM-347	SABARMATI ASHRAM GAUSHALA, BIDAJ	09-10-2009	24	201	18.89	-0.01	72.57

Sr. No.	Bull ID	Semen station (Source)	Date of birth	No of Daughters used in analysis	No of records used for analysis	GBV Fat yield	GBV Fat %	REL (%)
75	NBH-MUKUND	FSBS, NABHA	28-07-2006	26	193	-13.88	-0.10	72.51
76	NBH-MANGO	FSBS, NABHA	27-07-2009	26	218	13.72	-0.37	72.43
77	NBH-MUSA	FSBS, NABHA	02-01-2008	26	188	6.65	-0.04	72.43
78	NBH-MIRAJ	FSBS, NABHA	01-07-2012	26	204	14.59	-0.11	71.92
79	ROP-MIKADO	FSS,ROPAR	15-12-2009	25	189	3.65	0.21	71.90
80	NBH-MAFIA	FSBS, NABHA	22-08-2012	24	196	-12.00	0.16	71.26
81	ROP-MARUTI	FSS,ROPAR	18-09-2009	23	196	3.33	0.40	71.23
82	NBH-MAGNET	FSBS, NABHA	11-10-2009	24	172	-2.17	0.46	71.18
83	NBH-MOJI	FSBS, NABHA	05-08-2008	23	189	10.82	0.03	70.93
84	NBH-MAPPLE	FSBS, NABHA	25-09-2011	23	188	4.16	0.04	70.72
85	NBH-MOTI	FSBS, NABHA	07-01-2011	22	177	4.15	0.22	70.49
86	NBH-MAST	FSBS, NABHA	07-07-2011	22	187	7.91	0.12	70.48
87	NBH-MOKSH	FSBS, NABHA	25-05-2008	23	173	-10.50	0.30	70.05

Trait: 305 Day SNF Yield & %

Species: Buffalo

Breed: Murrah

Date of estimation: 29 December 2023

Sr. No.	Bull ID	Semen station (Source)	Date of birth	No of Daughters used in analysis	No of records used for analysis	SNF yield GBV	SNF % GBV	REL (%)
1	NBH-SONY	FSBS, NABHA	27-09-2009	178	1537	14.09	0.19	94.84
2	NBH-MULLA	FSBS, NABHA	20-08-2008	104	828	16.17	0.14	91.83
3	HIS-102699	FROSEN SEMEN BANK, HISSAR	04-11-2012	60	527	14.10	0.25	87.69
4	HIS-PC-574	FROSEN SEMEN BANK, HISSAR	11-11-2009	57	470	19.02	0.49	86.83
5	NBH-MAVI	FSBS, NABHA	14-05-2008	54	424	-2.86	0.46	86.08
6	NBH-MOHALI	FSBS, NABHA	02-02-2011	50	397	0.65	-0.17	86.07
7	NBH-MATHURA	FSBS, NABHA	03-10-2007	48	398	-29.75	-0.58	85.65
8	HIS-PC-575	FROSEN SEMEN BANK, HISSAR	02-09-2009	48	406	8.06	0.34	85.42
9	NBH-MITTAR	FSBS, NABHA	10-06-2011	43	341	-7.05	-0.08	84.73
10	NBH-MEDAL	FSBS, NABHA	16-10-2009	44	341	-1.92	-0.13	84.54

Sr. No.	Bull ID	Semen station (Source)	Date of birth	No of Daughters used in analysis	No of records used for analysis	SNF yield GBV	SNF % GBV	REL (%)
11	NBH-MOHI	FSBS, NABHA	18-08-2008	45	348	-9.27	-0.28	84.39
12	NBH-BOND	FSBS, NABHA	28-07-2008	45	376	8.64	-0.29	84.37
13	NBH-MICAL	FSBS, NABHA	29-09-2007	45	378	-3.01	-0.01	84.21
14	NBH-MALUKA	FSBS, NABHA	10-07-2008	41	353	-11.07	-0.17	84.18
15	NBH-MAKHAN	FSBS, NABHA	20-08-2009	42	316	-1.45	-0.30	84.11
16	NBH-MEER	FSBS, NABHA	01-11-2009	41	340	-16.21	-0.47	84.01
17	NBH-MINDA	FSBS, NABHA	05-04-2008	42	344	-1.74	0.56	83.82
18	NBH-MAJNU	FSBS, NABHA	17-08-2009	40	297	-1.75	0.39	83.64
19	NBH-MANILA	FSBS, NABHA	05-01-2007	39	312	-16.49	-0.52	83.55
20	NBH-MALANG	FSBS, NABHA	03-09-2010	39	341	7.99	0.41	83.49
21	NBH-MAJID	FSBS, NABHA	28-07-2010	39	336	1.35	0.12	83.48
22	ROP-MILAP	FSS,ROPAR	14-12-2010	39	321	14.95	0.34	83.46
23	HIS-MR-102699	FROSEN SEMEN BANK, HISSAR	04-11-2012	39	343	19.40	0.39	83.22
24	NBH-MOLANA	FSBS, NABHA	03-08-2009	37	312	6.63	0.40	83.03
25	NBH-MOHIT	FSBS, NABHA	10-01-2008	39	306	-6.12	-0.36	82.96
26	NBH-MADHUR	FSBS, NABHA	15-09-2008	37	284	-3.36	-0.55	82.88
27	NBH-MATHEW	FSBS, NABHA	19-02-2009	38	322	-0.85	0.25	82.87
28	SAG-BM-264	SABARMATI ASHRAM GAUSHALA, BIDAJ	10-05-2005	38	314	-5.07	-0.25	82.80
29	NBH-MEHNDI	FSBS, NABHA	02-10-2008	35	288	-2.56	-0.06	82.56
30	NBH-MISSILE	FSBS, NABHA	01-07-2009	36	291	-26.79	-0.72	82.53
31	NBH-MEHTA	FSBS, NABHA	26-06-2008	35	265	-9.67	-0.20	82.25
32	NBH-MEEDY	FSBS, NABHA	21-04-2008	36	295	7.87	0.33	82.24
33	NBH-MANJIT	FSBS, NABHA	18-08-2007	34	292	-15.31	-0.26	82.19
34	NBH-MELA	FSBS, NABHA	03-10-2007	35	272	-24.01	-0.51	82.07
35	NBH-MAYUR	FSBS, NABHA	10-09-2012	37	308	-4.86	0.01	82.05
36	ROP-MILANO	FSS,ROPAR	09-09-2009	34	282	-9.72	-0.04	81.88
37	ROP-MIAN	FSS,ROPAR	21-07-2009	33	296	-3.51	-0.13	81.86
38	NBH-MIG	FSBS, NABHA	10-09-2009	34	273	-2.98	-0.43	81.85
39	NBH-MURARI	FSBS, NABHA	19-06-2009	34	282	3.58	0.12	81.71
40	NBH-MASON	FSBS, NABHA	11-09-2007	34	258	8.33	-0.13	81.66

Sr. No.	Bull ID	Semen station (Source)	Date of birth	No of Daughters used in analysis	No of records used for analysis	SNF yield GBV	SNF % GBV	REL (%)
41	NBH-MOHAN	FSBS, NABHA	10-06-2012	34	289	-30.84	-1.13	81.52
42	NBH-MALINGA	FSBS, NABHA	01-12-2009	33	260	6.82	-0.25	81.39
43	ROP-MEET	FSS,ROPAR	10-07-2009	32	272	-31.86	-0.92	81.23
44	NBH-MACHHAR	FSBS, NABHA	26-06-2007	32	252	4.25	0.06	80.95
45	NBH-MUNISH	FSBS, NABHA	25-08-2008	32	245	14.35	0.34	80.74
46	NBH-MOFAR	FSBS, NABHA	20-06-2006	31	245	-7.32	-0.25	80.67
47	NBH-MARSHAL	FSBS, NABHA	02-10-2009	32	232	-22.01	-0.83	80.60
48	NBH-MATRU	FSBS, NABHA	18-04-2007	31	253	8.08	0.37	80.44
49	NBH-MAGHI	FSBS, NABHA	30-09-2009	31	235	-0.63	-0.46	80.38
50	NBH-MANSA	FSBS, NABHA	09-10-2008	31	239	2.53	-0.06	80.37
51	NBH-MOBILE	FSBS, NABHA	02-08-2007	30	233	-5.03	-0.84	80.37
52	NBH-MAJHA	FSBS, NABHA	01-07-2008	30	237	-4.74	-0.24	80.29
53	NBH-MANAV	FSBS, NABHA	13-12-2009	31	246	-11.24	-0.89	80.24
54	NBH-MURTZA	FSBS, NABHA	28-12-2010	30	238	-15.91	-0.86	80.21
55	NBH-MONTEK	FSBS, NABHA	23-05-2008	31	258	-3.96	-0.46	80.14
56	NBH-METER	FSBS, NABHA	06-08-2008	30	228	0.49	0.10	80.09
57	NBH-MARINA	FSBS, NABHA	27-02-2009	31	220	3.88	-0.35	80.01
58	NBH-MINTU	FSBS, NABHA	04-07-2007	30	229	-2.57	-0.03	79.95
59	NBH-MANDU	FSBS, NABHA	05-11-2009	30	238	15.76	0.12	79.74
60	NBH-MINHAS	FSBS, NABHA	01-07-2010	30	231	29.07	0.24	79.71
61	ROP-MAX	FSS,ROPAR	05-11-2009	29	223	9.41	0.36	79.46
62	NBH-MEHAR	FSBS, NABHA	05-10-2007	29	249	-14.38	-0.26	79.43
63	NBH-MAXON	FSBS, NABHA	20-09-2007	31	232	-13.62	-1.18	79.38
64	NBH-MAKBUL	FSBS, NABHA	01-09-2009	29	247	10.41	0.10	79.36
65	NBH-MISHRI	FSBS, NABHA	12-08-2010	28	227	-1.80	-0.61	79.19
66	NBH-MUKHI	FSBS, NABHA	14-02-2009	29	218	-7.20	0.37	79.12
67	NBH-MALAH	FSBS, NABHA	09-03-2009	28	218	-18.65	-0.66	79.12
68	NBH-MASHAL	FSBS, NABHA	27-10-2009	27	223	-24.45	-0.35	78.71
69	NBH-MESSY	FSBS, NABHA	10-12-2011	28	228	11.64	0.11	78.57
70	NBH-MONU	FSBS, NABHA	27-10-2012	26	221	-4.26	0.21	78.35
71	ROP-MALO	FSS,ROPAR	10-11-2009	26	227	14.61	0.00	78.02
72	ROP-MIRZA	FSS,ROPAR	22-10-2009	26	218	4.07	0.21	77.97
73	NBH-MIRCH	FSBS, NABHA	25-12-2010	25	213	-8.56	-0.24	77.84

Sr. No.	Bull ID	Semen station (Source)	Date of birth	No of Daughters used in analysis	No of records used for analysis	SNF yield GBV	SNF % GBV	REL (%)
74	NBH-MUKUND	FSBS, NABHA	28-07-2006	26	193	-17.33	-0.66	77.82
75	SAG-BM-347	SABARMATI ASHRAM GAUSHALA, BIDAJ	09-10-2009	24	201	15.01	0.84	77.78
76	NBH-MUSA	FSBS, NABHA	02-01-2008	26	188	10.71	0.01	77.77
77	NBH-MANGO	FSBS, NABHA	27-07-2009	26	218	14.87	-0.22	77.72
78	NBH-MIRAJ	FSBS, NABHA	01-07-2012	26	205	22.75	0.02	77.43
79	ROP-MIKADO	FSS,ROPAR	15-12-2009	25	189	6.54	0.43	77.35
80	NBH-MAGNET	FSBS, NABHA	11-10-2009	24	172	-3.69	0.86	76.74
81	NBH-MAFIA	FSBS, NABHA	22-08-2012	24	196	-14.81	-0.08	76.71
82	ROP-MARUTI	FSS,ROPAR	18-09-2009	23	196	8.04	0.70	76.56
83	NBH-MOJI	FSBS, NABHA	05-08-2008	23	189	9.69	0.52	76.38
84	NBH-MAPPLE	FSBS, NABHA	25-09-2011	23	188	2.49	0.32	76.22
85	NBH-MOTI	FSBS, NABHA	07-01-2011	22	177	6.16	0.51	75.97
86	NBH-MAST	FSBS, NABHA	07-07-2011	22	187	15.05	0.23	75.87
87	NBH-MOKSH	FSBS, NABHA	25-05-2008	23	173	-10.68	0.14	75.56
88	NBH-MARCH	FSBS, NABHA	11-10-2007	23	164	-14.42	0.06	75.54
89	NBH-MAGIC	FSBS, NABHA	09-09-2012	23	195	15.72	0.35	75.53
90	HIS-154-M	FROSEN SEMEN BANK, HISSAR	02-06-2009	23	175	9.12	0.34	75.35
91	NBH-MEGH	FSBS, NABHA	12-09-2007	21	175	-12.52	-0.12	75.33
92	ROP-MELODY	FSS,ROPAR	01-01-2010	21	190	12.85	0.65	75.18
93	NBH-MOOLI	FSBS, NABHA	14-12-2010	22	178	-12.18	-0.54	75.14
94	NBH-MIDAS	FSBS, NABHA	23-09-2009	23	168	16.48	-0.20	75.10
95	NBH-MUKAT	FSBS, NABHA	10-10-2007	21	139	-4.81	-0.50	74.93
96	NBH-MITHU	FSBS, NABHA	18-08-2009	20	148	-20.76	-0.39	74.56
97	ROP-MAINA	FSS,ROPAR	01-01-2011	20	154	14.66	0.81	74.21
98	NBH-MUDRA	FSBS, NABHA	16-07-2009	19	163	-20.42	-0.31	74.17
99	HIS-PC-483	FROSEN SEMEN BANK, HISSAR	21-06-2007	20	159	5.72	0.33	73.87
100	NBH-MARSH	FSBS, NABHA	18-12-2009	20	151	1.61	-0.16	73.39
101	NBH-MULTAN	FSBS, NABHA	04-08-2012	18	151	-17.54	-0.51	72.87
102	NBH-MANNAT	FSBS, NABHA	25-09-2008	18	142	-4.22	-0.43	72.53

Sr. No.	Bull ID	Semen station (Source)	Date of birth	No of Daughters used in analysis	No of records used for analysis	SNF yield GBV	SNF % GBV	REL (%)
103	HIS-8864	FROSEN SEMEN BANK, HISSAR	05-12-2010	17	143	5.17	0.08	72.19
104	NBH-MOR	FSBS, NABHA	05-11-2011	20	150	14.59	-0.01	72.17
105	NBH-MADHAV	FSBS, NABHA	18-07-2007	17	138	-14.86	-0.60	71.77
106	HIS-PC-476	FROSEN SEMEN BANK, HISSAR	23-07-2008	16	148	26.95	0.56	71.10
107	NBH-MALIK	FSBS, NABHA	01-09-2012	16	135	7.16	0.23	70.55
108	NBH-MUFTI	FSBS, NABHA	06-05-2012	17	112	-6.37	-0.04	70.18
109	GUR-MR-1211	FROSEN SEMEN BANK, GURGAON.	15-08-2011	16	125	-4.78	-0.03	70.08

Trait: 305 Day Protein Yield & %

Species: Buffalo

Breed: Murrah

Date of estimation: 29 December 2023

Sr. No.	Bull ID	Semen station (Source)	Date of birth	No of Daughters used in analysis	No of records used for analysis	Protein yield GBV	Protein % GBV	REL (%)
1	NBH-SONY	FSBS, NABHA	27-09-2009	178	1537	5.82	0.03	94.36
2	NBH-MULLA	FSBS, NABHA	20-08-2008	104	828	7.06	-0.01	91.01
3	HIS-102699	FROSEN SEMEN BANK, HISSAR	04-11-2012	60	527	7.59	-0.03	86.51
4	HIS-PC-574	FROSEN SEMEN BANK, HISSAR	11-11-2009	57	470	10.02	0.03	85.55
5	NBH-MOHALI	FSBS, NABHA	02-02-2011	50	397	-0.22	-0.04	84.72
6	NBH-MAVI	FSBS, NABHA	14-05-2008	54	424	0.17	0.11	84.72
7	NBH-MATHURA	FSBS, NABHA	03-10-2007	48	398	-11.66	-0.14	84.26
8	HIS-PC-575	FROSEN SEMEN BANK, HISSAR	02-09-2009	48	406	4.59	0.04	84.03
9	NBH-MITTAR	FSBS, NABHA	10-06-2011	43	341	-4.02	0.04	83.27
10	NBH-MEDAL	FSBS, NABHA	16-10-2009	44	341	-2.82	0.05	83.03
11	NBH-BOND	FSBS, NABHA	28-07-2008	45	376	3.66	-0.13	82.89
12	NBH-MOHI	FSBS, NABHA	18-08-2008	45	348	-2.41	-0.13	82.88
13	NBH-MICAL	FSBS, NABHA	29-09-2007	45	378	-1.62	0.02	82.70
14	NBH-MALUKA	FSBS, NABHA	10-07-2008	41	353	-5.14	0.00	82.68
15	NBH-MAKHAN	FSBS, NABHA	20-08-2009	42	316	-1.31	-0.07	82.58

Sr. No.	Bull ID	Semen station (Source)	Date of birth	No of Daughters used in analysis	No of records used for analysis	Protein yield GBV	Protein % GBV	REL (%)
16	NBH-MEER	FSBS, NABHA	01-11-2009	41	340	-5.10	-0.19	82.47
17	NBH-MINDA	FSBS, NABHA	05-04-2008	42	344	-1.37	0.23	82.31
18	NBH-MAJNU	FSBS, NABHA	17-08-2009	40	297	0.45	0.09	82.07
19	NBH-MANILA	FSBS, NABHA	05-01-2007	39	312	-7.24	-0.11	82.01
20	NBH-MALANG	FSBS, NABHA	03-09-2010	39	341	5.61	0.02	81.95
21	NBH-MAJID	FSBS, NABHA	28-07-2010	39	336	0.35	0.05	81.95
22	ROP-MILAP	FSS,ROPAR	14-12-2010	39	321	3.49	0.19	81.88
23	HIS-MR-102699	FROSEN SEMEN BANK, HISSAR	04-11-2012	39	343	10.47	-0.02	81.69
24	NBH-MOLANA	FSBS, NABHA	03-08-2009	37	312	0.95	0.20	81.43
25	NBH-MOHIT	FSBS, NABHA	10-01-2008	39	306	-2.00	-0.13	81.36
26	NBH-MATHEW	FSBS, NABHA	19-02-2009	38	322	-0.37	0.09	81.30
27	NBH-MADHUR	FSBS, NABHA	15-09-2008	37	284	-2.24	-0.14	81.26
28	SAG-BM-264	SABARMATI ASHRAM GAUSHALA, BIDAJ	10-05-2005	38	314	-1.70	-0.09	81.19
29	NBH-MEHNDI	FSBS, NABHA	02-10-2008	35	288	-2.09	0.03	80.94
30	NBH-MISSILE	FSBS, NABHA	01-07-2009	36	292	-9.30	-0.25	80.93
31	NBH-MEEDY	FSBS, NABHA	21-04-2008	36	295	3.09	0.10	80.62
32	NBH-MEHTA	FSBS, NABHA	26-06-2008	35	265	-5.60	0.03	80.56
33	NBH-MANJIT	FSBS, NABHA	18-08-2007	34	292	-7.28	0.00	80.55
34	NBH-MAYUR	FSBS, NABHA	10-09-2012	37	308	-4.08	0.11	80.41
35	NBH-MELA	FSBS, NABHA	03-10-2007	35	272	-10.37	-0.08	80.38
36	ROP-MIAN	FSS,ROPAR	21-07-2009	33	296	0.11	-0.11	80.25
37	ROP-MILANO	FSS,ROPAR	09-09-2009	34	282	-2.70	-0.05	80.23
38	NBH-MIG	FSBS, NABHA	10-09-2009	34	273	-2.90	-0.06	80.13
39	NBH-MURARI	FSBS, NABHA	19-06-2009	34	282	-0.32	0.11	80.03
40	NBH-MASON	FSBS, NABHA	11-09-2007	34	258	3.18	-0.06	79.93
41	NBH-MOHAN	FSBS, NABHA	10-06-2012	34	289	-11.42	-0.36	79.83
42	NBH-MALINGA	FSBS, NABHA	01-12-2009	33	260	0.56	-0.01	79.68
43	ROP-MEET	FSS,ROPAR	10-07-2009	32	272	-9.46	-0.41	79.57
44	NBH-MACHHAR	FSBS, NABHA	26-06-2007	32	252	1.00	0.04	79.13
45	NBH-MUNISH	FSBS, NABHA	25-08-2008	32	245	5.48	0.10	78.96
46	NBH-MOFAR	FSBS, NABHA	20-06-2006	31	245	-1.83	-0.12	78.95
47	NBH-MARSHAL	FSBS, NABHA	02-10-2009	32	232	-10.40	-0.15	78.78
48	NBH-MATRU	FSBS, NABHA	18-04-2007	31	253	4.11	0.08	78.68
49	NBH-MOBILE	FSBS, NABHA	02-08-2007	30	233	1.05	-0.43	78.62
50	NBH-MAGHI	FSBS, NABHA	30-09-2009	31	235	-0.82	-0.13	78.58
51	NBH-MANSA	FSBS, NABHA	09-10-2008	31	239	-0.54	0.04	78.56
52	NBH-MAJHA	FSBS, NABHA	01-07-2008	30	237	0.01	-0.16	78.48

Sr. No.	Bull ID	Semen station (Source)	Date of birth	No of Daughters used in analysis	No of records used for analysis	Protein yield GBV	Protein % GBV	REL (%)
53	NBH-MANAV	FSBS, NABHA	13-12-2009	31	246	-4.23	-0.29	78.45
54	NBH-MURTZA	FSBS, NABHA	28-12-2010	30	238	-5.78	-0.29	78.42
55	NBH-MONTEK	FSBS, NABHA	23-05-2008	31	258	-2.07	-0.13	78.33
56	NBH-METER	FSBS, NABHA	06-08-2008	30	228	1.85	-0.04	78.28
57	NBH-MINTU	FSBS, NABHA	04-07-2007	30	229	0.21	-0.06	78.15
58	NBH-MARINA	FSBS, NABHA	27-02-2009	31	220	2.33	-0.17	78.14
59	NBH-MANDU	FSBS, NABHA	05-11-2009	30	238	6.50	0.00	77.91
60	NBH-MINHAS	FSBS, NABHA	01-07-2010	30	231	10.70	0.06	77.88
61	NBH-MEHAR	FSBS, NABHA	05-10-2007	29	249	-4.46	-0.12	77.62
62	ROP-MAX	FSS,ROPAR	05-11-2009	29	223	3.50	0.12	77.62
63	NBH-MAKBUL	FSBS, NABHA	01-09-2009	29	247	4.22	0.01	77.54
64	NBH-MAXON	FSBS, NABHA	20-09-2007	31	232	-3.66	-0.47	77.48
65	NBH-MISHRI	FSBS, NABHA	12-08-2010	28	227	-0.65	-0.21	77.35
66	NBH-MALAH	FSBS, NABHA	09-03-2009	28	218	-10.14	-0.05	77.25
67	NBH-MUKHI	FSBS, NABHA	14-02-2009	29	218	-1.32	0.07	77.23
68	NBH-MASHAL	FSBS, NABHA	27-10-2009	27	223	-9.10	-0.09	76.81
69	NBH-MESSY	FSBS, NABHA	10-12-2011	28	228	5.85	-0.04	76.68
70	NBH-MONU	FSBS, NABHA	27-10-2012	26	221	-0.63	0.04	76.48
71	ROP-MALO	FSS,ROPAR	10-11-2009	26	227	5.49	-0.02	76.17
72	ROP-MIRZA	FSS,ROPAR	22-10-2009	26	218	2.44	0.03	76.05
73	NBH-MIRCH	FSBS, NABHA	25-12-2010	25	213	-3.00	-0.08	75.92
74	SAG-BM-347	SABARMATI ASHRAM GAUSHALA, BIDAJ	09-10-2009	24	201	6.49	0.24	75.87
75	NBH-MUKUND	FSBS, NABHA	28-07-2006	26	193	-7.34	-0.17	75.87
76	NBH-MANGO	FSBS, NABHA	27-07-2009	26	218	4.60	-0.05	75.80
77	NBH-MUSA	FSBS, NABHA	02-01-2008	26	188	3.76	0.00	75.76
78	NBH-MIRAJ	FSBS, NABHA	01-07-2012	26	205	8.80	-0.03	75.48
79	ROP-MIKADO	FSS,ROPAR	15-12-2009	25	189	3.56	0.10	75.37
80	NBH-MAFIA	FSBS, NABHA	22-08-2012	24	196	-4.98	-0.04	74.75
81	NBH-MAGNET	FSBS, NABHA	11-10-2009	24	172	-2.29	0.34	74.63
82	ROP-MARUTI	FSS,ROPAR	18-09-2009	23	196	2.94	0.24	74.61
83	NBH-MOJI	FSBS, NABHA	05-08-2008	23	189	5.18	0.11	74.34
84	NBH-MAPPLE	FSBS, NABHA	25-09-2011	23	188	1.52	0.08	74.23
85	NBH-MOTI	FSBS, NABHA	07-01-2011	22	177	3.57	0.12	73.94
86	NBH-MAST	FSBS, NABHA	07-07-2011	22	187	7.52	-0.01	73.91
87	NBH-MAGIC	FSBS, NABHA	09-09-2012	23	195	4.16	0.18	73.50
88	NBH-MOKSH	FSBS, NABHA	25-05-2008	23	173	-2.50	-0.01	73.49
89	NBH-MARCH	FSBS, NABHA	11-10-2007	23	164	-6.63	0.10	73.40
90	NBH-MEGH	FSBS, NABHA	12-09-2007	21	175	-3.55	-0.08	73.29

Sr. No.	Bull ID	Semen station (Source)	Date of birth	No of Daughters used in analysis	No of records used for analysis	Protein yield GBV	Protein % GBV	REL (%)
91	HIS-154-M	FROSEN SEMEN BANK, HISSAR	02-06-2009	23	175	4.94	0.04	73.28
92	ROP-MELODY	FSS,ROPAR	01-01-2010	21	190	6.53	0.14	73.19
93	NBH-MOOLI	FSBS, NABHA	14-12-2010	22	178	-4.54	-0.17	73.07
94	NBH-MIDAS	FSBS, NABHA	23-09-2009	23	168	5.98	-0.08	72.95
95	NBH-MUKAT	FSBS, NABHA	10-10-2007	21	139	-2.31	-0.14	72.68
96	NBH-MITHU	FSBS, NABHA	18-08-2009	20	148	-6.83	-0.16	72.43
97	NBH-MUDRA	FSBS, NABHA	16-07-2009	19	163	-6.90	-0.12	72.13
98	ROP-MAINA	FSS,ROPAR	01-01-2011	20	154	5.34	0.27	72.09
99	HIS-PC-483	FROSEN SEMEN BANK, HISSAR	21-06-2007	20	159	-1.81	0.28	71.75
100	NBH-MARSH	FSBS, NABHA	18-12-2009	20	151	-1.92	0.05	71.16
101	NBH-MULTAN	FSBS, NABHA	04-08-2012	18	151	-5.83	-0.19	70.71
102	NBH-MANNAT	FSBS, NABHA	25-09-2008	18	142	-1.15	-0.16	70.35
103	HIS-8864	FROSEN SEMEN BANK, HISSAR	05-12-2010	17	143	0.34	0.09	70.05