



## COW EVALUATION FILE LAYOUT CSV FORMAT

<u>Field</u>	<u>Content</u>	<u>Length</u>	<u>Type</u>	<u>Comments</u>
1	REGISTRATION NUMBER	18	A/N	NOTE 3
2	REGISTERED NAME	50	A/N	
3	BIRTH DATE	8	D	
4	EARTAG FIELD 1	15	A/N	
5	EARTAG FIELD 2	15	A/N	
6	COLOUR CODE	3	A/N	NOTE 6
7	POLLED	5	A/N	NOTE 6
8	BETA CASEIN (A2)	5	A/N	NOTE 6
9	GENETIC RECESSIVE 1	5	A/N	NOTE 6
10	GENETIC RECESSIVE 2	5	A/N	NOTE 6
11	GENETIC RECESSIVE 3	5	A/N	NOTE 6
12	GENETIC RECESSIVE 4	5	A/N	NOTE 6
13	GENETIC RECESSIVE 5	5	A/N	NOTE 6
14	GENETIC RECESSIVE 6	5	A/N	NOTE 6
15	GENETIC RECESSIVE 7	5	A/N	NOTE 6
16	GENETIC RECESSIVE 8	5	A/N	NOTE 6
17	GENETIC RECESSIVE 9	5	A/N	NOTE 6
18	GENETIC RECESSIVE 10	5	A/N	NOTE 6
19	INBREEDING COEFFICIENT (%INB)	5	N	NOTE 2
20	RELATIONSHIP VALUE (R-VALUE)	2	N	
21	CURRENT PROCESSING CENTER	2	A/N	
22	CURRENT PROVINCE CODE	2	A/N	
23	CURRENT HERD NUMBER	5	A/N	
24	DHI COMPUTER NUMBER	5	A/N	
25	BARN NAME	10	A/N	
26	DHI VISIBLE ID (CHAIN NUMBER)	6	A/N	
27	ACTIVE COW FLAG and GENOTYPE INDICATOR	1	A/N	NOTE 9
28	AGE AT LAST CALVING FOR USE IN PRODUCTION EVALUATION	4	A/N	YYMM
29	LAST CALVE DATE FOR USE IN PRODUCTION EVALUATION	8	D	
30	LAST TEST DATE FOR USE IN PRODUCTION EVALUATION	8	D	
31	SIRE REGISTRATION NUMBER	18	A/N	NOTE 3
32	SIRE NAME	50	A/N	
33	SIRE SHORT NAME	15	A/N	NOTE 1
34	NAAB CODE	10	A/N	e.g. 028HO12345
35	DAM REGISTRATION NUMBER	18	A/N	NOTE 3
36	DAM NAME	50	A/N	
37	MGS REGISTRATION NUMBER	18	A/N	NOTE 3
38	MGS NAME	50	A/N	
39	MGS SHORT NAME	15	A/N	NOTE 1
40	MGD REGISTRATION NUMBER	18	A/N	NOTE 3
41	MGD NAME	50	A/N	
42	GMGS REGISTRATION NUMBER	18	A/N	NOTE 3
43	GMGS NAME	50	A/N	
44	GMGS SHORT NAME	15	A/N	NOTE 1
45	GMDG REGISTRATION NUMBER	18	A/N	NOTE 3
46	GMDG NAME	50	A/N	
47	LIFETIME PERFORMANCE INDEX (LPI) OFFICIAL CODE	1	N	NOTE 7
48	RELIABILITY FOR LPI	2	N	
49	LPI	5	N	
50	PERCENTILE RANK LPI	2	N	
51	RELIABILITY FOR LPI PRODUCTION COMPONENT	2	N	
52	LPI PRODUCTION COMPONENT	5	N	
53	PERCENTILE RANK LPI PRODUCTION	2	N	
54	RELIABILITY FOR LPI DURABILITY COMPONENT	2	N	
55	LPI DURABILITY COMPONENT	5	N	
56	PERCENTILE RANK LPI DURABILITY	2	N	
57	RELIABILITY FOR LPI HEALTH & FERTILITY COMPONENT	2	N	
58	LPI HEALTH & FERTILITY COMPONENT	5	N	
59	PERCENTILE RANK LPI HEALTH AND FERTILITY	2	N	
60	Pro\$	5	N	
61	PRODUCTION OFFICIAL CODE	1	N	NOTE 7
62	HERDS FOR PROTEIN	2	N	



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63	NUMBER OF LACTATIONS FOR PROTEIN	1	N	
64	NUMBER OF TEST DAY RECORDS FOR PROTEIN	3	N	
65	NUMBER OF SUPERVISED TEST DAY RECORDS FOR PROTEIN	3	N	
66	NUMBER OF 24 HOUR TEST DAY RECORDS FOR PROTEIN	3	N	
67	DAYS IN MILK AT LAST MILK TEST	3	N	
68	NUMBER OF MILK TESTS PAST FIRST 60 DIM IN FIRST LACTATION	3	N	
69	NUMBER OF LAST TWO TEST DAY RECORDS FOR MILK THAT ARE SUPERVISED	1	N	
70	AVERAGE TESTING INTERVAL FOR MILK IN THE CURRENT LACTATION	3	N	
71	NUMBER OF SONS WITH DAUGHTERS WITH TEST DAY RECORDS	3	N	
72	NUMBER OF DAUGHTERS WITH TEST DAY RECORDS	3	N	
73	RELIABILITY FOR PROTEIN	2	N	
74	EBV MILK KG	5	N	
75	PERCENTILE RANK MILK	2	N	
76	EBV FAT KG	4	N	
77	PERCENTILE RANK FAT	2	N	
78	EBV PROTEIN KG	4	N	
79	PERCENTILE RANK PROTEIN	2	N	
80	EBV FAT PERCENT	5	N	NOTE 2
81	EBV PROTEIN PERCENT	5	N	NOTE 2
82	SOMATIC CELL SCORE (SCS) OFFICIAL CODE	1	N	NOTE 7
83	RELIABILITY FOR SCS	2	N	
84	SCS RATING	4	N	0XXX
85	PERCENTILE RANK SCS	2	N	
86	CONFORMATION OFFICIAL CODE	1	N	NOTE 7
87	RELIABILITY FOR CONFORMATION	2	N	
88	EBV CONFORMATION	3	N	
89	PERCENTILE RANK CONFORMATION	2	N	
90	NUMBER OF CLASSIFICATIONS USED IN GENETIC EVALUATION	2	N	
91	CLASSIFICATION DATE (MOST RECENT USED IN GENETIC EVALUATION)	8	D	
92	FINAL SCORE	4	N	NOTE 8
93	FINAL CLASS	2	A/N	
94	MULTIPLE EXCELLENT (MEX) STATUS	2	N	
95	RUMP	3	N	
96	PERCENTILE RANK RUMP	2	N	
97	MAMMARY SYSTEM	3	N	
98	PERCENTILE RANK MAMMARY SYSTEM	2	N	
99	FEET & LEGS/MOBILITY	3	N	
100	PERCENTILE RANK FEET & LEGS/MOBILITY	2	N	
101	FOOT	3	N	
102	PERCENTILE RANK FOOT	2	N	
103	DAIRY STRENGTH	3	N	
104	PERCENTILE RANK DAIRY STRENGTH	2	N	
105	RUMP ANGLE SIGN	1	A/N	NOTE 4
106	RUMP ANGLE	2	N	
107	RUMP ANGLE ALPHA	1	A/N	NOTE 5
108	PIN WIDTH	3	N	
109	LOIN STRENGTH	3	N	
110	THURL PLACEMENT SIGN	1	A/N	NOTE 4
111	THURL PLACEMENT	2	N	
112	THURL PLACEMENT ALPHA	1	A/N	NOTE 5
113	UDDER FLOOR SIGN	1	A/N	NOTE 4
114	UDDER FLOOR	2	N	
115	UDDER FLOOR ALPHA	1	A/N	NOTE 5
116	UDDER DEPTH SIGN	1	A/N	NOTE 4
117	UDDER DEPTH	2	N	
118	UDDER DEPTH ALPHA	1	A/N	NOTE 5
119	UDDER TEXTURE	3	N	
120	MEDIAN SUSPENSORY	3	N	
121	FORE ATTACHMENT	3	N	
122	FORE TEAT PLACEMENT SIGN	1	A/N	NOTE 4
123	FORE TEAT PLACEMENT	2	N	
124	FORE TEAT PLACEMENT ALPHA	1	A/N	NOTE 5



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<u>Field</u>		<u>Content</u>	<u>Length</u>	<u>Type</u>	<u>Comments</u>
125	CONFCD DESCRIPTIVE	REAR ATTACHMENT HEIGHT	3	N	
126		REAR ATTACHMENT WIDTH	3	N	
127		REAR TEAT PLACEMENT SIGN	1	A/N	NOTE 4
128		REAR TEAT PLACEMENT	2	N	
129		REAR TEAT PLACEMENT ALPHA	1	A/N	NOTE 5
130		TEAT LENGTH SIGN	1	A/N	NOTE 4
131		TEAT LENGTH	2	N	
132		TEAT LENGTH ALPHA	1	A/N	NOTE 5
133		FOOT ANGLE	3	N	
134		HEEL DEPTH	3	N	
135		BONE QUALITY	3	N	
136		REAR LEGS SIDE VIEW SIGN	1	A/N	NOTE 4
137		REAR LEGS SIDE VIEW	2	N	
138		REAR LEGS SIDE VIEW ALPHA	1	A/N	NOTE 5
139		REAR LEGS REAR VIEW	3	N	
140		FRONT LEGS VIEW SIGN	1	A/N	NOTE 4
141		FRONT LEGS VIEW	2	N	
142		FRONT LEGS VIEW ALPHA	1	A/N	NOTE 5
143		LOCOMOTION	3	N	
144		STATURE SIGN	1	A/N	NOTE 4
145	STATURE	2	N		
146	STATURE ALPHA	1	A/N	NOTE 5	
147	HEIGHT AT FRONT END	3	N		
148	CHEST WIDTH	3	N		
149	BODY DEPTH	3	N		
150	DAIRY CAPACITY	3	A/N		
151		LACTATION PERSISTENCY (LP) OFFICIAL CODE	1	N	NOTE 7
152	LP	RELIABILITY (LP)	2	N	
153		LP RATING	3	N	
154		CALVING ABILITY (CA) OFFICIAL CODE	1	N	NOTE 7
155	CA	RELIABILITY (CA)	2	N	
156		CA RATING	3	N	
157		DAUGHTER CALVING ABILITY (DCA) OFFICIAL CODE	1	N	NOTE 7
158	DCA	RELIABILITY (DCA)	2	N	
159		DCA RATING	3	N	
160		HERD LIFE (HL) OFFICIAL CODE	1	N	NOTE 7
161	HL	RELIABILITY (HL)	2	N	
162		HL RATING	3	N	
163		MILKING SPEED (MSP) OFFICIAL CODE	1	N	NOTE 7
164	MSP	RELIABILITY (MSP)	2	N	
165		MSP RATING	3	N	
166		MILKING TEMPERAMENT (MT) OFFICIAL CODE	1	N	NOTE 7
167	MT	RELIABILITY (MT)	2	N	
168		MT RATING	3	N	
169		DAUGHTER FERTILITY (DF) OFFICIAL CODE	1	N	NOTE 7
170	DF	RELIABILITY (DF)	2	N	
171		DF RATING	3	N	
172		BODY CONDITION SCORE (BCS) OFFICIAL CODE	1	N	NOTE 7
173	BCS	RELIABILITY (BCS)	2	N	
174		BCS RATING	3	N	
175		MASTITIS RESISTANCE (MR) OFFICIAL CODE	1	N	NOTE 7
176	MR	RELIABILITY (MR)	2	N	
177		MR RATING	3	N	
178		METABOLIC DISEASE RESISTANCE (MDR) OFFICIAL CODE	1	N	NOTE 7
179	MDR	RELIABILITY (MDR)	2	N	
180		MDR RATING	3	N	
181		HOOF HEALTH (HH) OFFICIAL CODE	1	N	NOTE 7
182	HH	RELIABILITY (HH)	2	N	
183		HH RATING	3	N	
184		FEED EFFICIENCY (FE) OFFICIAL CODE	1	N	NOTE 7
185	FE	RELIABILITY (FE)	2	N	
186		FE RATING	3	N	



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<u>Field</u>	<u>Content</u>	<u>Length</u>	<u>Type</u>	<u>Comments</u>
187	METHANE EFFICIENCY (ME) OFFICIAL CODE	1	N	NOTE 7
188	RELIABILITY (ME)	2	N	
189	ME RATING	3	N	
190	BODY MAINTENANCE REQUIREMENTS (BMR) OFFICIAL CODE	1	N	NOTE 7
191	RELIABILITY (BMR)	2	N	
192	BMR RATING	3	N	
193	PANEL DENSITY	2	A/N	NOTE 10
194	RELEASE DATE	8	D	

**FIELD CODES:**

A/N ALPHANUMERIC FIELD  
 D DATE FIELD(YYYYMMDD)  
 N NUMERIC FIELD

**GENERAL:** FIELDS WITH MISSING VALUES ARE LEFT BLANK  
 FILE CONTAINS A HEADER ROW  
 CSV RECORD. END OF RECORD CONTAINS ','

**NOTE 1:** SHORT NAMES WILL ONLY APPEAR WHEN AVAILABLE FROM THE LACTANET DATABASE.  
 SHORT NAMES FOR BULLS MUST BE PROVIDED BY THE BULL OWNER.

**NOTE 2:** THE FIELD CONTAINS A VALUE WITH 2 DECIMAL PLACES.  
 THE ACTUAL "." CHARACTER IS STORED IN THE FILE

**NOTE 3:** FIELD MADE UP OF FOUR COMPONENTS: BREED CODE(2), COUNTRY CODE(3), SEX CODE(1), REGISTRATION NUMBER(12)

CODES:

SEE "DATA EXCHANGE SYSTEM CODES BREED AND NATION CODES"  
 CDN WEBSITE DATA FILES LAYOUTS

REGISTRATION NUMBER:

12 DIGIT ALPHANUMERIC FIELD THAT CONTAINS THE UNIQUE IDENTIFICATION NUMBER ASSIGNED TO THE ANIMAL  
 BY THE RESPECTIVE BREED ASSOCIATION. THE REGISTRATION NUMBER WILL BE LEFT JUSTIFIED IN THE FIELD.

**NOTE 4:** SIGN FIELD IS EITHER BLANK OR '-' (NEGATIVE)

**NOTE 5:** ALPHA CODES ARE NOW INCLUDED IN THE FILE AS AN ALPHA CHARACTER AND DO NOT REQUIRE DECODING  
 ALPHA CHARACTER DESCRIPTIONS REMAIN UNCHANGED FROM PREVIOUS DESCRIPTIONS:  
 RUMP ANGLE CODES: H < 0, L > 0  
 THURL PLACEMENT CODES: B < 0, A > 0  
 REAR LEGS SIDE VIEW CODES: S < 0, C > 0  
 UDDER DEPTH CODES: D < 0, S > 0  
 FRONT TEAT LENGTH CODES: S < 0, L > 0  
 FRONT TEAT PLACEMENT AND REAR TEAT PLACEMENT CODES: W < 0, C > 0  
 UDDER FLOOR: T < 0 R > 0  
 FRONT LEGS VIEW: K < 0 S > 0  
 STATURE: S < 0, T > 0

**NOTE 6:** SEE "DATA EXCHANGE SYSTEM CODES"  
 CDN WEBSITE DATA FILES LAYOUTS

**NOTE 7:** 0 UNOFFICIAL MANAGEMENT INDEX  
 1 OFFICIAL  
 2 PARENT AVERAGE  
 3 MACE CONVERTED  
 4 MANAGEMENT PARENT AVERAGE  
 5 INTERNATIONAL GENOMIC INDEX (IGI)

**NOTE 8:** THE FIELD CONTAINS A VALUE WITH 1 DECIMAL PLACE.  
 THE ACTUAL "." CHARACTER IS STORED IN THE FILE

**NOTE 9:** ACTIVE COW FLAG - COMBINED TO INDICATE GENOMIC CONTENT



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0	NOT ACTIVE			
1	ACTIVE			
2	NOT ACTIVE and GENOTYPED			
3	ACTIVE and GENOTYPED			
	GENOTYPED INDICATES BREEDING VALUES INCLUDE GENOMIC INFORMATION			
NOTE 10: LD	LOW DENSITY (LESS THAN 50K)			
MD	MEDIUM DENSITY (50K OR HIGHER BUT NOT HD)			
HD	HIGH DENSITY (600K OR HIGHER)			