

PEDIGREE FILE

Starting Byte	Field Description	Format	Example
1	Record type ¹	char 3	010
4	Breed	char 3	HOL
	Bull international ID ²		
7	Country of origin ³	char 3	CAN
10	ID number ⁴	char 12	000000456789
22	name ⁵	char 30	
	Bull ID in country of proof ⁶		
52	Country of proof	char 3	ITA
55	ID number	char 12	CRX000000001
67	name	char 30	
97	Sex	char 1	M
98	Birth date (YYYYMMDD)	integer 8	20001010
	Sire of bull international ID ²		
106	Country of origin	char 3	CAN
109	ID number	char 12	
121	Sex	char 1	M
	Dam of bull international ID ²		
122	Country of origin	char 3	CAN
125	ID number	char 12	
137	Sex	char 1	F
	MGS of bull international ID ²		
138	Country of origin	char 3	CAN
141	ID number	char 12	
153	Sex	char 1	M
	MGD of bull international ID ²		
154	Country of origin	char 3	CAN
157	ID number	char 12	
169	Sex	char 1	F
170	Country sending information	char 3	ITA

1. Record type: 010 Pedigree File
 011 Bull ID Cross Reference File
 020 Production File
 2. ID in country of origin, as known in country sending information
 3. Country codes: ISO codes
 4. ID codes: Right justified, blanks as zeros
 5. Name: Left justified, blanks not as zeros
 6. Could be identical to the international ID
- General: Numeric fields right justified
 All alpha fields upper case

BULL ID CROSS REFERENCE FILE

<u>Starting Byte</u>	<u>Field Description</u>	<u>Format</u>		<u>Example</u>
1	Record type ¹	char	3	011
4	Breed	char	3	HOL
	Bull international ID ²			
7	Country of origin ³	char	3	CAN
10	ID number ⁴	char	12	000000456789
	Bull ID in country of proof			
22	Country of proof	char	3	ITA
25	ID number	char	12	CRX0000000001
	Bull ID in other country ⁵			
37	Other country	char	3	USA
40	ID number	char	12	000001234567

1. Record type: 010 Pedigree File
 011 Bull ID Cross Reference File
 020 Production File
 2. ID in country of origin, as known in country sending information
 3. Country codes: ISO codes
 4. ID codes: Right justified, blanks as zeros
 5. Repeat as necessary
- General: All alpha fields upper case

PRODUCTION FILE

Starting Byte	Field Description	Format	Example
1	Record type ¹	char 3	020
4	Breed	char 3	HOL
	Bull international ID ²		
7	Country of origin ³	char 3	CAN
10	ID number ⁴	char 12	000000456789
	Bull ID in country of proof		
22	Country of proof	char 3	ITA
25	ID number	char 12	CRX0000000001
37	Date of proof (YYYYMMDD)	integer 8	19920115
45	Base definition ⁵	char 6	1990HB
51	Number of daughters (milk/fat)	integer 6	
57	Number of herds (milk/fat)	integer 5	
62	Number of effective daughters (milk/fat) ⁶	integer 6	
68	Repeatability (milk/fat)	integer 2	
70	Number of daughters (protein)	integer 6	
76	Number of herds (protein)	integer 5	
81	Number of effective daughters (protein)	integer 6	
87	Repeatability (protein)	integer 2	
89	Type of proof ⁷	integer 2	
91	Incorporation of foreign proof ⁸	char 1	Y/N (Yes / No)
92	Official publication of proof ⁹	char 1	Y/N (Yes / No)
93	Birth date of first AI daughters (YYYYMM)	integer 6	199010
99	Status of bull ¹⁰	integer 2	
101	Milk proof EBV ¹¹ kg	integer 6	+100
107	Fat proof EBV kg	integer 4	-4
111	Protein proof EBV kg	integer 4	
115	Fat % proof EBV (% * 100)	integer 4	
119	Protein % proof EBV (% * 100)	integer 4	
123	Milk DYD ¹¹ kg	integer 6	
129	Fat DYD kg	integer 4	
133	Protein DYD kg	integer 4	
137	Fat % DYD (% * 100)	integer 4	
141	Protein % DYD (% * 100)	integer 4	

- Record type:
 - 010 Pedigree File
 - 011 Bull ID Cross Reference File
 - 020 Production File
- ID in country of origin, as known in country sending information
- Country codes: ISO codes
- ID codes: Right justified, blanks as zeros
- Base definition: year(YYYY), breed initial (1 char), bull (B) or cow(C) (1 char). Ex. 1990HB means: base defined in 1990 based on Holstein bulls
- If number of effective daughters is not available, fill in zero
- Type of proof:
 - 00 unknown
 - 11 first crop only
 - 12 first and second crops
 - 13 second crop only (imported proven bulls)
 - 21 pedigree index
 - 31 converted proof
- Y if converted proof or DYD from another country is incorporated in this national proof; N otherwise
- Y if bull meets national standards for official publication; N otherwise
- Status of bull:
 - 00 unknown
 - 10 AI bull
 - 20 Other bull
- For missing EBV or DYD fill in 9s e.g. missing milk EBV 999999
missing fat DYD 9999

General: Numeric fields right justified
 All alpha fields upper case