



DRPC Standard Transfer Formats Reference Notes



GENERAL COMMENTS

- All records for a herd should be sent in a single file
 - Format fields follow CDCB standards, except blank filler is used in all fields if information is not available. An "X" in the Field Format indicates that the field is right justified numeric data with left zero fill. An "A" in the Field Format indicates left justified alphanumeric data.
 - Trailing blanks can be eliminated and records should be terminated with a carriage return and linefeed.
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REQUIRED DATA

The following statements identify items that must be included in the Standard Transfer File to maintain minimum continuity of records transferred from one dairy records processing center to another:

FILE FORMAT A -- HERD RECORD is required.

FILE FORMAT B -- COW AND HEIFER RECORD is required for each active animal in the herd and it is desirable to include a record for each animal that has left the herd in the last 14 months.

FILE FORMAT C -- LACTATION RECORD is required for each lactation of cows that had a "B" record.

FILE FORMAT D -- TEST DAY DATA RECORD is required for each test day of the cow's current lactation. It is desirable to include a record for test days of previous lactations.

FILE FORMAT E -- HERD TOTALS RECORD is required for each test period during the past 13 months. It is desirable to include additional test period data.

FILE FORMAT G -- GENERAL MESSAGE RECORD is an optional record available to send a message regarding this herd.

FILE FORMAT H -- HEALTH RECORD is an optional record to be used to transfer health information on individual animals.

Fields in records that are identified with an "R" are required to be included with each transfer. The only exception is milk component fields that the herd has not chosen to test.

It is desirable to report as much data as possible to make a more complete transfer of the producer's records.

SELECTED USDA-AIPL REFERENCE NOTES

Reference 4 - Alphabetic Breed Codes

Dairy Cattle	
AY	Ayrshire
BS	Brown Swiss
CN	Canadienne
DL	Dutch Belted
FL	Fleckvieh
GU	Guernsey
HO	Holstein
JE	Jersey
JM	Jamaica Hope
KY	Kerry
LD	American Lineback
MD	Milking Devon
MI	Meuse-Rhine-Yssel
MO	Montbeliarde
MS	Milking Shorthorn
NO	Normande
NR	Norwegian Red
RD	Red Dane
RE	European Red Dairy
RP	Red Poll
SM	Simmental/Fleckvieh
SR	Swedish Red & White
WW	Red and White
XD	Crossbreed Dairy

Dairy Goats	
AI	Alpine
CC	Sable
EN	Saanen
EX	Experimental
LN	La Mancha
ND	Nigerian Dwarf
NU	Nubian
OH	Oberhasli
PY	Pygmy
TO	Toggenburg
UG	Guernsey
XX	Mixed
<i>blank</i>	Unknown

Beef Cattle ¹	
AE	American Breed
AF	Africander
AK	Ankina
AM	Amerifax
AN	Angus
AR	Red Angus
AW	Ankolewatusi
BA	Barzone
BB	Belgian Blue
BD	Blonde d Aquitaine
BE	Beefalo
BF	Beef Friesian
BG	Belted Galloway
BI	Brahmousin
BL	Braler
BM	Beefmaster
BN	Brangus
BO	Braford
BQ	Buelingo
BR	Brahman
BU	Braunvieh
BW	British White
CA	Chianina
CB	Charbray
CG	Chiangus
CH	Charolais
CM	Chi-Maine

XX	Crossbred Dairy/Beef
<i>blank</i>	Unknown

DE	Devon
DR	Dexter
DS	South Devon
ER	Eringar
FA	Flamand
FC	Florida Cracker
FR	Fribourg
GA	Galloway
GE	Gelbray
GI	Grauvieh
GR	Gronninger
GV	Gelbvieh
GY	Gyr
GZ	Guzerat
HB	Hereford (Black)
HC	Hays Converter
HH	Hereford (Horned)
HP	Hereford (Polled)
HY	Hybrid (Alberta)
IB	Indu Brazil
IS	Shorthorn (Illawara)
KB	Kobe (Wagyu)
LM	Limousin
LO	Lowline (Loala)
LR	Lincoln Red
LU	Luing
MA	Maine-Anjou
MC	Mexican Corriente
ME	Maremmana
MG	Murray Grey

MH	Mashona
ML	Mandalong Special
MR	Marchigiana
MU	Murrah
NE	Nellore
NS	Bonsmara
PA	Parthenaise
PI	Piedmontese
PZ	Pinzgauer
RA	Ranger
RB	Red Brangus
RN	Romagnola
RO	Rotbunte
RR	Red Brahman
RS	Romosinuano
RW	Danish Red & White
SA	Salers
SB	Brown Swiss
SE	Senepol
SG	Santa Gertrudis
SH	Highland (Scotch)
SI	Simbrah
SP	Shorthorn (Polled)
SS	Shorthorn (Beef Scotch)
SW	Sahiwal
SX	Sussex
TA	Tarentaise
TB	Tabapua
TI	Tuli
TL	Texas Longhorn

TN	Taurindicus
WB	Welsh Black
WF	West Flemish Red
WP	White Park
XB	Crossbreed Beef
XT	Crossbreeds (Twiner)
<i>blank</i>	Unknown

¹ These breed codes are only applicable for the Service Sire identification fields in Format 5

Reference 5 - State/Location Codes used in Herd Identification

Prefix codes

blank	Identification Program (VIP) recorded animal (NOTE: Position to right of blanks must be letter.)
00	U.S. registered animal with number <10 million
01	U.S. registered animal with number in 10-million range
02	U.S. registered animal with number in 20-million range
03	U.S. registered animal with number in 30-million range
04	Canadian or Channel Islands registered animal
05	Canadian grade animal
06	United Kingdom including Channel Islands
07	Unassigned
08	Not to be used (used in past for mixed breeds and Red and Whites)
09-10	Unassigned
11-16	See location codes
17	Not to be used (used in past for dairy goats)
18	American goat breed registered by ADGA
19	British goat breed registered by ADGA
20	All goat breeds registered by American Goat Society
21-23	See location codes
24-27	Unassigned
28	See location codes
29	Unassigned
30	USDA internal VIP prefix code; used by USDA only (see blank for dairy records processing centers)
31-35	See location codes
36	Cow in identity enrollment (IE) program, but offspring not eligible for inclusion in regular herdbook; granddaughters or later generations' offspring may be eligible for entry

37	Cow in IE program, and offspring eligible for inclusion in regular herdbook if specified requirements are met
38-40	Unassigned
41-43	See location codes
44	Unassigned
45-48	See location codes
49	Unassigned
50-52	See location codes
53	Unassigned
54-59	See location codes
60	Unassigned
61	See location codes
62	Unassigned
63-66	See location codes
67-70	Unassigned
71-75	See location codes
76-80	Unassigned
81-88	See location codes
89-90	Unassigned
91-96	See location codes
97	Reserved for 93V duplicate ear tags
98	Reserved for breed-association non-testing herds
99	Unassigned

Location code

<u>Code</u>	<u>Location</u>	Available County <u>Numbers</u>	<u>Code</u>	<u>Location</u>	Available County <u>Numbers</u>
11	Maine	00-99	59	Jamaica	00-09
12	New Hampshire	00-99	59	West Indies	10-39
13	Vermont	00-99	59	Dominican Republic	40-49
14	Massachusetts	00-99	59	Virgin Islands	59
15	Rhode Island	00-99	59	Korea	60
16	Connecticut	00-99	61	Kentucky	00-99
21	New York	00-99	63	Tennessee	00-99
22	New Jersey	00-99	64	Alabama	00-99
23	Pennsylvania	00-99	65	Mississippi	00-99
28	Chile	00-99	66	Mexico	00-99
31	Ohio	00-99	71	Arkansas	00-99
32	Indiana	00-99	72	Louisiana	00-99
33	Illinois	00-99	73	Oklahoma	00-99
34	Michigan	00-99	74	Texas	00-99
35	Wisconsin	00-99	75	Colombia	00-99
41	Minnesota	00-99	81	Montana	00-99
42	Iowa	00-99	82	Idaho	00-99
43	Missouri	00-99	83	Wyoming	00-99
45	North Dakota	00-99	84	Colorado	00-99
46	South Dakota	00-99	85	New Mexico	00-99
47	Nebraska	00-99	86	Arizona	00-99
48	Kansas	00-99	87	Utah	00-99
50	Delaware	00-99	88	Nevada	00-99
51	Maryland	00-99	91	Washington	00-99
52	Virginia	00-99	92	Oregon	00-99
54	West Virginia	00-99	93	California	00-99
55	North Carolina	00-99	94	Puerto Rico	00-99
56	South Carolina	00-99	95	Hawaii	00-99
57	Georgia	00-99	96	Alaska	00-99
58	Florida	00-99			

Reference 10 - Cow Destination Group and Termination Codes

The primary termination code stored in CDCB's database will be the one reported with the date left herd if the cow is dry. In this case, the primary termination code associated with the high DIM will not be stored.

Primary termination code

(more important reason than the secondary code described below)

Destination Group	Description	Termination Code
Still in herd	Lactation in progress or ended normally without an abortion	0
	Lactation ended with an abortion at ≥ 152 days and < 251 days (261 days for Brown Swiss) after conception, or aborted at ≥ 200 days in milk if no breeding date	8
Sold for dairy purposes	Cow sold/transferred to another dairy alive to provide income from milk, calves, or embryos	2
Sold for slaughter or salvage	Cow sold for locomotion problems (feet, legs, lameness)	1
	Cow sold for poor production (low production not caused by other reasons)	3
	Cow sold because of reproductive problems	4
	Cow sold due to mastitis or high somatic cells	7
	Cow sold due to udder problems (conformation or injury)	9
	Cow sold due to undesirable conformation (other than udder)	A
	Cow sold due to aggressive behavior (undesirable temperament)	B
	Cow sold for any other reason, or reason not specified	5
Died	Cow died on the dairy; downer cows that were euthanized should be included here	6

Secondary termination code

(less important reason than the primary code described above)

Reason Sold	Termination Code
No secondary reason given	<i>blank</i>
Locomotion problems (feet, legs, lameness)	1
Poor production (low production not caused by other reasons)	3
Reproductive problems	4
Mastitis or high somatic cells	7

Udder problems (conformation or injury)	9
Undesirable conformation (other than udder)	A
Aggressive behavior (undesirable temperament)	B
Other reason, or reason not specified	5

Reference 13 - Species Codes

- 0 = Dairy cattle
 - 1 = Dairy goat (must be used with goat breed codes)
 - 2 = Dairy sheep (no breeds assigned at present)
 - 3-9 = Do not use
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Reference 16 - Dairy Records Processing Center (DRPC) and Dairy Management Systems (DMS) Codes

DRPC Codes

01 = Agritech Analytics (CA)	09 = Pennsylvania DHIA (PA)
02 = Unassigned	10 = DHI-Provo (UT)
03 = Unassigned	11 = Unassigned
04 = Unassigned	12 = AgSource Cooperative Services (WI)
05 = Unassigned	13 = USDA special input data
06 = Unassigned	14 = Mexico
07 = Dairy Records Management Systems (Raleigh, NC, and Ames, IA)	15 = Texas DHIA (TX)
08 = Unassigned	

DMS Codes

- 51 = North Carolina Dart System
-

Reference 19 – Days Milked 3X

Days milked 3X should reflect proportion of lactation credits computed from 3X test days; e.g., if test days are at 20, 50, and 80 days and 3X milking occurs in first two, then days 3X = 65.

Reference 20 – Processing Date

Processing date is the date on which monthly test data for a herd was last processed unless records were corrected or altered after that date. If records were corrected or altered after that date, the date on which the records were corrected or altered should be the processing date.

Reference 24 – Multiple Birth Codes

- 1 = Single
- 2 = Multiple birth (not from embryo transfer)
- 3 = Birth from embryo transfer
- 4 = Split embryo
- 5 = Clone from nuclear transfer
- 6 = Embryo pedigree (implantation date stored as birth date)

Reference 28 – Official National DHIA Testing Plans

Sampling Protocol	Supervised DHI		Supervised DHIR		Unsupervised		Supervised Commercial	
	Supervised DHI test conducted by certified field tech/rep		Supervised DHIR test conducted by certified field tech/rep plus adherence to breed association rules		Dairy producer weighs and samples milk on test day		DHI field tech weighs and samples milk, but certain aspects of the uniform operating procedures are not followed	
All milkings weighed & sampled on test day	DHI	00	DHIR	20	DHI-OS	40	DHI-COMM	70
Less than all milkings weighed & sampled on test day	DHI-AP	31	DHIR-AP	23	DHI-OS-AP	41	DHI-COMM-AP	71
All milkings weighed & less than all milkings sampled on test day	DHI-APCS	02	DHIR-APCS	22	DHI-OS-APCS	42	DHI-COMM-APCS	72
All milkings weighed, but no samples taken on test day	DHI-MO	33	---		DHI-OS-MO	43	DHI-COMM-MO	73
Less than all milkings weighed & no samples taken on test day	DHI-MO-AP	34	---		DHI-OS-MO-AP	44	DHI-COMM-MO-AP	74
All milkings weighed, but no samples taken on test day - breed or bulk tank average used	---		---		DHI-OS-AC	45	---	
Less than all milkings weighed, but no samples taken on test day - breed or bulk tank average used	---		---		DHI-OS-APAC	46	---	

Reference 39 – Net Merit Percentile

Percentile for bulls based on Net Merit \$ (NM\$) of active AI bulls of previous run. Bulls with Net Merit above that of highest active AI bull have percentile of ++; those with Net Merit below that of lowest active AI bull have percentile of --. Blank for bulls not evaluated. Percentile for cows based on distribution of NM\$ for registered cows evaluated that pass first stage of screening for breed (eligible cows).

Reference 75 – Somatic Cell Score

Somatic cell score = log base 2 (SCC/100,000) +3.

Where SCC is cells per milliliter, report linear scores of < 0.1 as 0.1. Use blanks to indicate a missing value.

Reference 85 - Codes for changes in cow's identification (ID) information after the second test following a cow's entry into the herd

- 0 = No change in cow ID number or birth date
 - 1 = Cow ID number changed
 - 2 = Cow birth date changed
 - 3 = Both cow ID number and birth date changed
 - 4 = No change in sire or dam ID number
 - 5 = Sire ID number changed
 - 6 = Dam ID number changed
 - 7 = Both sire and dam ID numbers changed
 - 8 = Verified but unspecified change(s) in cow birth date, sire ID, and/or dam ID
 - 9 = Any identification change made electronically for administrative purposes
-

Reference 90 - Owner sampler (OS) data code (format 105 definition)

- blank = No lactation information
 - 0 = Neither cow nor dam had a first lactation of predominately OS type-of-test (TOT).
 - 1 = Cow had a first lactation of predominately OS TOT
 - 2 = Dam had a first lactation of predominately OS TOT
 - 3 = Both cow and dam had a first lactation of predominately OS TOT
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Reference 103 – Milk Recorded Days

Milk-recorded days (number of days on which one or more milk weights were recorded); in labor-efficient records if the test is a five day average, report 5 as the milk recorded days for such test.

Reference 104 – Average Times Milked on Recorded Days

Average times cow is milked on milk-recorded days (total number of times cow is milked on all milk-recorded days divided by milk-recorded days).

Reference 105 – Percentage of Milkings Weighed

Percentage of milkings at which milk was weighed on milk-recorded days (total number of milkings at which milk is weighed on all milk-recorded days divided by total number of times cow is milked on all milk-recorded days).

Reference 106 – Percentage of Milkings Sampled

Percentage of milkings at which samples were taken and applied to the lactation record for component analysis on component-recorded days (total number of milkings at which sample was taken on all component-recorded days divided by total number of times cow was milked on all component-recorded days).

Reference 107 - Testing-method code:

- 0 = Not used
 - 1 = Traditional testing
 - 2 = Labor-efficient record (LER)
 - 3 = Experimental plan
-

Reference 108 - Supervision code:

- 0 = Not used
 - 1 = Supervisor conducted test
 - 2 = Owner conducted test
 - 3 = Both supervisor and owner conducted test
 - 4 = Automated Milking System
 - 5 = Supervisor conducted test using electronic recording
 - 6 = Owner conducted test using electronic recording
 - 7 = Both supervisor and owner conducted test using electronic recording
 - 8 = Verification test not using electronic recording
 - 9 = Verification test using electronic recording
-

Reference 111 – Sex Codes

- M = Male
 - F = Female
-

Reference 115 - Last test-day status codes

- 0 = Field not used
 - 1 = Both milk weight and components recorded
 - 2 = Milk components estimated or not recorded
 - 3 = Both milk weight and components estimated or not recorded
 - 4 = Cow sick on test day
 - 5 = Delete this test day
 - 6 = Force update of milking frequency for this test day
 - 7 = Herd not enrolled in DHI in the US when this data was recorded
-

Reference 116 - Last Test-Day Percentage of Milk Shipped; calculated as:

$[(\text{herd test-day milk yield}/(\text{milk shipped})) * 100]$ (rounded to one decimal place)
where:

herd test-day milk yield = sum of test-day milk yields for all cows in herd

milk shipped = bulk tank milk weight adjusted to a daily basis

Reference 117 – Field Service Affiliate Codes

For current information and certification status/expiration dates, please see [National DHIA/QCS website](#).
Affiliates in italics are no longer active but included for reference only.

<u>Field Service Code</u>	<u>Service Affiliate Name</u>	<u>Species</u>
013	<i>Vermont DHIA</i>	Bovine, Goat
021	Dairy One Cooperative Inc.	Bovine, Goat
023	<i>Pennsylvania DHIA</i>	Bovine, Goat
026	Kiki de la Garza Goat Institute	Goat
031	DHI Cooperative Inc.	Bovine, Goat
032	Indiana State Dairy Assoc.	Bovine, Goat
034	NorthStar Cooperative DHI Services	Bovine, Goat
035	AgSource Cooperative Services	Bovine, Goat
041	Minnesota DHIA	Bovine, Goat
042	Dairy Lab Services	Bovine, Goat
043	Mid-South Dairy Records	Bovine, Goat
045	<i>North Dakota DHIA</i>	Bovine, Goat
046	<i>South Dakota DHIA</i>	Bovine, Goat
047	<i>Nebraska DHIA</i>	Bovine, Goat
048	<i>Kansas DHIA</i>	Bovine, Goat
051	<i>Mid-East DHIC</i>	Bovine, Goat
052	United Federation of DHIAs	Bovine, Goat
056	<i>South Carolina DHIA</i>	Bovine, Goat
057	<i>Georgia DHIA</i>	Bovine, Goat
058	Southeast DHIA	Bovine, Goat
061	<i>Kentucky DHIC</i>	Bovine, Goat
063	Tennessee DHIA	Bovine, Goat
064	<i>Alabama DHIA</i>	Bovine, Goat
065	<i>Mississippi DHIA</i>	Bovine, Goat
071	<i>Arkansas DHIA</i>	Bovine, Goat

072	<i>Louisiana DHIA</i>	Bovine, Goat
073	<i>Oklahoma DHIA</i>	Bovine, Goat
074	Texas DHIA	Bovine, Goat
082	Idaho DHIA	Bovine, Goat
083	Meadowlark Testing Association	Goat
084	<i>Colorado DHIA</i>	Bovine, Goat
085	Road Runner Caprine DHIA	Goat
086	Arizona DHIA	Bovine, Goat
087	Rocky Mountain DHIA	Bovine, Goat
091	Washington State DHIA	Bovine, Goat
092	<i>Oregon DHIA</i>	Bovine, Goat
093	DHIA West	Bovine, Goat
094	Puerto Rico DHIA	Bovine, Goat
121	<i>Great Lakes Dairy Records</i>	Bovine
123	Lancaster DHIA	Bovine, Goat
135	<i>Fox Valley DHIA</i>	Bovine, Goat
148	Heart of America DHIA	Bovine, Goat
184	<i>Colorado Dairy Testing Service</i>	Bovine
193	Tulare DHIA	Bovine, Goat
235	Gallenberger Dairy Records	Bovine, Goat
274	<i>Northeast Texas DHI</i>	Bovine
284	<i>Dairy Herd Analysts LLC</i>	Bovine
293	San Joaquin DHIA	Bovine, Goat
374	Integrated DHI	Bovine
393	Jim Sousa Testing	Bovine

Reference 118 - Quality Certification (QC) Status

The primary use for this field is to indicate weighing device certification. Failure to meet other aspects of QC should also be indicated by assigning a value of 2.

- 0 = Coding not implemented
- 1 = Meters are certified and all other aspects of field service meet QC (qualify for genetic evaluation)
- 2 = Meters are certified but some other aspect of field service does not meet QC
- 3 = Meters are not certified even though all other aspects of field service meet QC
- 4 = Neither meter certification nor remaining aspects of field service meet QC

Reference 119 – Country Codes

[Country codes](#) are used in animal ID. [Country codes](#) and additional [Interbull population codes](#) are used in country of most daughters (A complete index of ISO country codes is in [Reference 113](#))

Argentina - Israel

Italy - Zimbabwe

Abbr.	Country	RFID code	Abbr.	Country	RFID code
ARG	Argentina	32	ITA	Italy	380
AUS	Australia	36	JPN	Japan	392
AUT	Austria	40	KAZ	Kazakhstan	398
BEL	Belgium	56	KOR	South Korea	410
BGR	Bulgaria	100	LTU	Lithuania	440
CAN	Canada	124	LUX	Luxembourg	442
CHE	Switzerland	756	LVA	Latvia	428
CRI	Costa Rica	188	MEX	Mexico	484
CRO	Croatia (obsolete)		NLD	Netherlands	528
CSK	Czech Rep. (obsolete)		NOR	Norway	578
CZE	Czech Republic	203	NZL	New Zealand	554
DEU	Germany	276	POL	Poland	616
DNK	Denmark	208	PRT	Portugal	620
DOM	Dominican Republic	214	ROM	Romania (obsolete)	
ESP	Spain	724	ROU	Romania	642
EST	Estonia	233	RUS	Russia	643
FIN	Finland	246	SRB	Serbia	688
FRA	France	250	SLO	Slovenia (obsolete)	
GBR	Great Britain	826	SVK	Slovak Republic	703
GRC	Greece	300	SVN	Slovenia	705
HRV	Croatia	191	SWE	Sweden	752
HUN	Hungary	348	TUN	Tunisia	788

IJE	Isle of Jersey (obsolete)*		USA	United States of America	840
IND	India	356	YUG	Yugoslavia	891
IRN	Iran	364	ZAF	South African Republic	710
IRL	Ireland	372	ZWE	Zimbabwe	716
ISR	Israel	376			

*Records with country code of IJE were converted to country code GBR.

Population codes used by Interbull

Abbrev.	Population
BEL	Walloon part of Belgium
CHE	Swiss Black & White Holstein
CHR	Swiss Red Holstein
DEU	Germany + Austria + Luxembourg
DNR	Danish Red & White
FRR	French Pie Rouge
NLD	The Netherlands + Flemish part of Belgium
DEA	Germany + Austria
DFS	Denmark + Finland + Sweden
FRM	France Montbeliarde
FRA	France Simmental

Reference 124 - Lactation Verification Code

- 0 = No correction or verification
- 1 = Corrected lactation or production data
- 2 = Verified lactation or production data
- 3 = Verified cow control number

Reference 127

This field should represent values as of last sample date.

Reference 130 - Registry Status Definitions

Ayrshire Breeders Association

- OA First generation grade up animals. Only females can have registry status OA. These animals are currently identified with registration numbers in the 369 series.
- PR Second generation grade up animals. Only females can have registry status PR. These animals are currently identified with registration numbers in the 379 series.
- HR Fully registered males and females. Third generation grade up animals will also contain an "HR" registry status.
- XX Foreign registered animals.

Brown Swiss Cattle Breeders Association

- RF Initial grade up animal. Only females are eligible for this program. One parent must be a registered Brown Swiss and the second parent can be any dairy animal. Thus, these may be crossbred animals. These animals are currently identified with a 365xxxxxx series registration number. Please note that not all animals must start with this step, as characteristic grade Brown Swiss may go directly into the ID step (next step).
- ID Will be the next step which may be either (a) an offspring of a RF dam and a registered Brown Swiss sire or may be (b) an identified and inspected grade Brown Swiss (original animal) possessing typical Brown Swiss color and characteristics. These females (b) would have either unknown Brown Swiss parents or may have one registered parent. Only females are eligible for this program step. These animals are currently identified with a 369xxxxxx series registration number.
- IE Will be the next step which will always have an ID (369xxxxxx) dam and a registered Brown Swiss sire. Again only females are eligible for this step. These animals are currently identified with a 3793xxxxx series registration number.
- HR Will be for fully registered animals. The dam may be either an IE or HR registry status animal. If the dam is an IE, only female offspring may be registered. The sire will always be HR status and Brown Swiss.

American Guernsey Association

- RF Recorded Female - Initial grade up animal. Only females are eligible for this program. She must have one purebred Guernsey parent (registered or unregistered) and the other parent must be another dairy breed. Thus, these may be crossbred animals. These animals are identified with a 360 series.

- GT Guernsey Type - This generation requires Guernsey appearance. This female must be sired by a purebred Guernsey bull out of an RF animal. The animal in this step must be a minimum 75% Guernsey. If adequate records are provided the initial animal may enter as a GT animal. These animals are identified with registration numbers in the 365 series.
- PR Provisional Register - A female out of a GT female sired by a registered bull. These animals are identified with the registration numbers in the 376 series.
- GR Genetic Recovery - A female out of a PR female and a registered bull. Bulls may be registered out of this generation. These animals are identified with registration numbers in the regular herdbook series.
- HR Fully registered males and females. Third generation grade up animals will also contain an "HR" registry status.

Holstein Association

- 00-99 Indicates percent Registered Holstein Ancestry (RHA). Values from 93 to 99 will be used to indicate animals previously known as Qualified. Values from 00 thru 92 will be females previously known as Identified Holstein Female (IHF).
- ** Fully registered males and females.

American Jersey Cattle Association

- OA First generation grade up animals. Only females can have registry status OA. One or both parents may be grade, unregistered or unknown. These animals are currently identified with registration numbers in the 368 series. We will not issue new numbers in the 368 series once we have implemented American ID.
- PR Second generation grade up animals. Only females can have registry status PR. The dam will be either from the 368 number series or OA registry status, and the sire will be a registered Jersey (HR). These animals are currently identified with registration numbers in the 379 series. We will not issue new numbers in the 379 series once we have implemented American ID.
- GR Third generation grade up animals. Only females can have registry status GR. The dam will be either from the 379 number series or PR registry status, and the sire will be a registered Jersey (HR). These animals are currently identified with numbers from our regular herdbook series.
- J1 All Registry Status J1 animals will be females. All their sires will be registered Jersey bulls. Their dams will be identified with their non-Jersey breed code, country code and unique ID. The ID may be a registration number, American ID number, USDA eartag, or a default ID created for unknown dams. Only female progeny can be

recorded from J1 dams. Their progeny must be sired by registered Jersey bulls. The progeny will be assigned Registry Status OA.

HR Fully registered males and females. The dam will be either GR or HR registry status, and the sire will be registered Jersey (HR).

Red and White Cattle Breeders Association

WW Registered with the Red and White Cattle Breeders Association

Registry Status (Purity) assigned by Canada

PB Purebred
94 Registered 94% pure
87 Registered 87% pure
75 Registered 75% pure
50 Registered 50% pure
BB Recorded base animal
XX Recorded cross breed
00-99 Early records may contain any value for % purity

Composite Dairy Cattle Registry

CD Fleckvieh (FL), Montbeliarde (MO), Norwegian Red (NR), and Swedish Red and White (SR) animals registered with Composite Dairy Cattle Registry.

For all breeds

blank Grade animal, or registry status unknown.

American Dairy Goat Association

PB Purebred registered males and females of all U.S. recognized dairy goat breeds
AM American registered males and females of all U.S. recognized dairy goat breeds. Animals are 87.5% of a single breed and meet breed type. Historically, these were indicated with a leading "A" or "18" in the ID
RG Recorded grade females of all U.S. recognized dairy goat breeds. First, second, and third generation grade up animals of all U.S. recognized dairy goat breeds, including Experimental breeds. Historically, these were indicated with a "G" in the ID

- BR Males and females re-registered from the British registry of Alpine, Saanen, and Toggenburg dairy goat breeds. Historically, these were indicated with a leading "19" in the ID
- ER Experimental registry for males and females. Product of mating PB, AM, and BR parents of different breeds, or straightbred offspring that do not meet breed type

Reference 144 - Lactation Initiation Code Definitions

- 0 = Lactation started with a normal calving
- 1 = Lactation started with an abortion (including induced abortions)
- 2 = Fresh date field does not contain actual calving date (e.g. date entered herd, or date of hormonal induction of lactation)

- 8 = Birth date is stored in calving date column to store events before first calving. The lactation number is set to 0.
- 9 = No lactation information has been received for this cow/calving date/herd code combination

Please note: Records coded with a '1' or '2' will not be used for genetic evaluations. Codes '8' and '9' are for internal use only and only to store data and for web display purposes.

Reference 161 - Meter Center Codes

For more current information and certification status/expiration, please see [National DHIA/QCS website](#).
Meter centers in italics are no longer active but included for reference only.

<u>Meter Center Code</u>	<u>Meter Center Name</u>
901	Central Counties DHIA
902	Southern Counties - Shafter
903	<i>Southern Counties - Chino</i>
904	Tulare DHIA
905	San Joaquin DHIA
906	<i>North Bay DHIA</i>
907	Kings County DHIA
908	Fresno DHIA
909	<i>Ferndale CTA</i>
913	<i>Vermont DHIA</i>
921	Dairy One - Stationary

922	Dairy One - Portable
923	<i>Lancaster DHIA - Portable</i>
924	Lancaster DHIA - Stationary
930	DHI Cooperative - Stationary
931	DHI Cooperative - Portable
933	NorthStar Cooperative - WI
934	NorthStar Cooperative - MI
935	AgSource - Portable
936	<i>AgSource - Stationary</i>
937	AgSource - Mega Test Rig
941	Minnesota DHIA
942	Dairy Lab Services
943	Mid-South Dairy Records
948	Heart of America DHIA
952	United Federation of DHIAs
958	Southeast DHIA
972	<i>Louisiana DHIA</i>
973	Texas DHIA - Canyon
974	Texas DHIA - Stephenville
976	Eastern New Mexico - Roswell
977	Eastern New Mexico - Clovis
978	The Udder Tester, LLC
979	Circle H Headquarters, LLC
980	Vanden Bosch Calibration Center
981	Integrated DHI
982	Mini-Cassia Calibration Center
983	<i>Colorado Dairy Testing Service</i>
984	<i>Colorado DHIA</i>

985	<i>Dairy Herd Analysts LLC</i>
986	Arizona DHIA
987	Rocky Mountain DHIA
990	Tillamook DHIA
991	Washington State DHIA
992	Willamette DHIA
993	DHIA West - Portable
994	Puerto Rico DHIA
995	Asociacion Holstein de Mexico
996	Alpura - Mexico
998	Independent Goat Meters
999	Electronic Milk Meters

ADDITIONAL REFERENCE NOTES

Reference 305 - Reproductive Code

- C = Reproductive cull (do not plan to breed)
- D = Dry donor dam
- E = Pregnant with an embryo transfer
- H = Date in "last breeding date" is last heat date
- N = Diagnosed open after "last breeding date"
- P = Diagnosed pregnant

Reference 307 – Actual Component Yield

If the days in milk for this component are less than the days in milk for milk yield, it should be set to blank.

Reference 310 – 305-day Record Code

- 0 = 305 day record has not been computed
- 1 = 305 day record has been computed
- 2 = 305 day record cannot be calculated
- 3 = 305 day record is unofficially estimated

Reference 311 - Complete Record Code

- 0 = Complete record has not been computed
 - 1 = Complete record has been computed
 - 2 = Record not initiated with a calving date (incomplete)
-

Reference 312 - Fresh code

- 0 = Normal 1st test or current test is not 1st test
 - 1 = Too fresh to test
 - 2 = No milk weight on 1st test (>4 days in milk)
 - 3 = 1st milk weights reported as abnormal (>4 days in milk)
 - 4 = No component sample on 1st test (>4 days in milk)
 - 5 = Calving date missing from fresh cow
-

Reference 313 - Privacy Code

- N = No restrictions
 - Y = Do not publish
-

Reference 315 - Replacement Animal Codes

- H = Animal is a replacement
 - M = Animal in the milking herd
-

Reference 324 - Sample Day Status Code

- 1 = Both milk weight and components recorded
 - 2 = Milk components estimated
 - 3 = Both milk weight and components estimated
 - 4 = Milk weight estimated
 - 5 = Milk weight carried (or held open) from previous test
 - 6 = Components carried (or held open) from previous test
 - 7 = Both milk weight and components carried (or held open) from previous test
 - 8 = Only milk weight recorded
-

Reference 333 - String Number

999 = Total for All Strings. If strings are not used, leave blank.

Reference 335 – Actual Records Only

305-d Actual Milk, Fat and Protein. Only actual records - not projected records - should be listed.

Reference 337 - Barn Name of Animal

Barn Name of Animal is a required field. If a barn name is not available on the sender's files, the sender should include computer control number.

Reference 338 - Records Disclosure Policy Codes

- O = Open
 - L = Limited
 - N = No Disclosure
-

Reference 340 – Barn Name of Male Animals

Barn name of male animals is the field recorded identification. It may be a name, NAAB code or anything else.

Reference 341 - Weight Reporting Codes

- P = Pounds
 - K = Kilograms
 - L = Liters
-

Reference 342 - Unique Animal Number

Use Computer Control Number if unique, or assign a sequential number to uniquely identify each animal in the herd. Each animal in the herd (heifer or cow, active or inactive) must have a different unique animal number.

Reference 343 - Event Dictionary Code

[What coding scheme is being used?]

- 01 = AgriTech Analytics
 - 07 = Dairy Records Management Systems
 - 10 = DHI-Provo
 - 12 = AgSource Cooperative Services
-

Reference 344 – Event Code

Event Code will be assigned according to Event Dictionary.

Reference 345 – Left Herd Date

Only report date for animals that were not active at processing and have left the herd.

Reference 346 - Laboratory Codes

For current information and certification status/expiration, please see [National DHIA/QCS website](#).
Laboratories in italics are no longer active but included for reference only.

<u>Laboratory Code</u>	<u>Lab Name</u>
801	Central Counties DHIA
802	Southern Counties - Shafter
<i>803</i>	<i>Southern Counties - Chino</i>
804	Tulare DHIA
807	Kings County DHIA
808	Fresno DHIA
<i>813</i>	<i>Vermont DHIA</i>
821	Dairy One - Ithaca
<i>823</i>	<i>Dairy One - State College</i>
824	Lancaster DHIA
825	Gallenberger Dairy Records
826	Langston DHIA
<i>828</i>	<i>Jamaica Dairy Development Board</i>
829	Eastern Laboratory Services
<i>830</i>	<i>DHI Cooperative - Wooster</i>
831	DHI Cooperative - Columbus
833	NorthStar Cooperative - WI
834	NorthStar Cooperative - MI
835	AgSource - Menomonie
837	Dodge County Dairy Testing
838	Marathon County DHIA
<i>839</i>	<i>Monroe County DHIA</i>

840	Eastern Wisconsin DHIC
841	Minnesota DHIA - Zumbrota
842	Dairy Lab Services
843	Mid-South Dairy Records
844	MQT Lab Services
848	<i>Heart of America DHIA</i>
849	Barron-Washburn DHIC
850	Stearns County DHIA Central
851	<i>Dairy One - Hagerstown</i>
852	United Federation of DHIAs
858	Southeast Milk Inc
863	Tennessee DHIA
871	<i>Integrated DHI - Dumas</i>
872	<i>Louisiana DHIA</i>
873	Texas DHIA - Canyon
874	Texas DHIA - Stephenville
875	<i>Silliker Inc - Dimmitt</i>
876	<i>Silliker Inc - Artesia</i>
877	<i>Silliker Inc - Stephenville</i>
878	Circle H Headquarters, LLC
879	ADM Laboratories, LLC
880	<i>Webb Testing</i>
881	Integrated DHI - Dimmitt
883	High Desert Dairy Lab
884	The Dairy Authority, LLC
886	Arizona DHIA
887	Rocky Mountain DHIA
888	<i>AgSource - Jerome</i>
889	Northwest Labs, LLC
890	Tillamook DHIA
891	Washington State DHIA
892	Willamette DHIA

893	Alpura - Gomez Palacio
894	Puerto Rico DHIA
895	Asociacion Holstein de Mexico
896	Alpura - Cuautitlan
897	Alpura - Delicias
898	CanWest DHI
899	Valacta

Reference 347 – Visible ID

Required on-farm identification should be reported. DRPCs vary on how this is handled. It may be a unique ID or may be the same as Barn Name or Control Number. Report this field to communicate the on-farm identification to new DRPC.

Reference 348 – ID of Animal

Country and ID may be combined for RFID including numbers that include manufacture prefix that is not a Country code.

Reference 349 – First Milking on Test Day Code

A = Started first milking in AM
P = Started first milking in PM

Reference 350 – Standardized Yields

Field should contain the data that would print in standardized ME fields on Cow Page, regardless of whether it is 2X or 3X. The old names' prefix 305-2X-ME has been changed to STD to be consistent with CDCB terminology.

Reference 351 – Rolling Herd Average

This field should represent an average over the previous 365 days. It is the total yearly trait total for the herd divided by the total cow-days for the year times 365. The trait value and cow days are accumulated by test intervals. For the oldest test interval which spans the 365 day period, the trait value portion which accumulates exactly 365 days is used. No adjustments are made for age, stage of lactation, number of dry cows, or length of the dry period.
