

AJCA Pedigree Recording Programs and Registry Status

The American Jersey Cattle Association records animals following the *Rules for the Registration and Transfer of Jersey Cattle*. Animals are recorded in the Association's permanent database in one of four (4) systems: Herd Register, Genetic Recovery program, Jersey Expansion program or Unregistered.

Herd Register. Established 1868. Animals with Herd Register (HR) status do not carry a prefix. The Association issues a green-bordered *Certificate of Registration* for these animals.

Genetic Recovery. Adopted 1974. Since its implementation January 1, 1975, Genetic Recovery has identified purebred, but unrecorded Jerseys. Program rules as of June 24, 2015 are outlined below.

- OA (Original Animal).** The Original Animal is a purebred female that is known to be a daughter of a bull recorded in the Herd Register or with a GR or PR prefix, or is the daughter of a Herd Register, GR or PR dam. A purebred female whose parentage is not known may be recorded if qualified by genotyping. A female at this level is recorded with the prefix of OA and issued a gold-bordered *Certificate of Identification* specific to Genetic Recovery.
- PR (Provisional Register).** Only females are recorded at the second step. Refer to Table 1 (top right) for the sire-dam combinations eligible to be recorded at the PR step. A gold-bordered *Certificate of Identification* is issued for PR females.
- GR (Genetic Recovery).** This is the third step in the Genetic Recovery program. Table 1 shows the sire-dam combinations qualifying females for GR status.

Males may be recorded at the GR level when (1) his pedigree is a sire-dam combination listed in Table 2 (above) and (2) he and both parents are genotyped.

These animals are recorded with the prefix of GR and issued a green-bordered *Certificate of Registration*. The offspring of a GR-prefix animal can be recorded in the AJCA Herd Register, provided that the other parent has HR status.

Jersey Expansion Program. Introduced 1999. The purpose of the Jersey Expansion program is to record pedigrees of animals that have inherited genetics from Jersey and other breed(s). A clear pathway to Herd Register status is defined. Six continuous generations sired by AJCA Herd

Register bulls starting with the first-generation female (J1) will result in an animal eligible for HR status (see table, below).

- The first-generation crossbred female sired by a HR status sire or out of a HR Jersey female is recorded with the prefix J1.
- Females are recorded at all levels (J1 through J6).
- Males will only be recorded at the J4, J5 and J6 levels, and only after the bull and both parents are genotyped.
- AJCA registry status of J-prefix offspring will advance one level (a) when sired by a Herd Register status bull or (b) when the registry status of one parent is three (3) or more generations higher than another. For all other pedigree combinations, offspring status will be no higher than that of the lowest status parent.

To determine AJCA registry status based on the registry status of the parents, refer to the tables on the reverse side or use the website app at USJersey.com.

- AJCA Herd Register status is achieved by offspring of J6 and HR parents.

The Association issues a blue-bordered *Jersey Expansion Program Certificate* for animals recorded in Jersey Expansion.

Unregistered (UR). Animals with permanent identification that do not meet the requirements for any other registry status are recorded with the prefix UR and issued a *Certificate of Identification*.

Required Information. Across all programs, the American Jersey Cattle Association requires the following information:

- birth date of the animal,
- permanent identification in the form of tattoo in the ear or AJCA-approved double-matching tamper-evident ear tags, and
- parent information (*pedigree*).

The animal name is selected by the First Owner.

Refer to the *Fees for Programs and Services* for recording fees. Fees can be reduced by becoming a member of the American Jersey Cattle Association and/or by submitting applications on infoJersey

or by electronic file. Registration is included in REAP for animals under six months of age.

For complete information on programs and fees, visit USJersey.com, call the Herd Services staff at 614/861-3636

Table 1. Genetic Recovery: Female Registry Status

Dam Status	Sire Registry Status			
	UR	PR*	GR	HR
UR		OA	OA	OA
OA		OA	PR	PR
PR	OA	PR	PR	GR
GR	OA	PR	GR	HR
HR	OA	GR	HR	HR

* Bulls not recorded at PR level, effective March 14, 2015.

Table 2. Genetic Recovery: Male Registry Status

Dam Status	Sire Registry Status			
	UR	PR*	GR	HR
OA				
PR				GR**
GR			GR**	HR
HR		GR**	HR	HR

* Bulls not recorded at PR level, effective March 14, 2015.

** To qualify for GR status, bulls must be genotyped along with both parents.

Table 3. Jersey Expansion Program, effective January 1, 1999

Prefix	Pedigree (JE designates AJCA Herd Register status)	Pedigree Inheritance from	
		Jersey	Other Breed
J1	JE x Other Breed	50.0%	50.0%
J2	JE x (JE x Other)	75.0	25.0
J3	JE x [JE x (JE x Other)]	87.5	12.5
J4	JE x [JE x JE x (JE x Other)]	93.75	6.25
J5	JE x [JE x JE x JE x (JE x Other)]	96.88	3.12
J6	JE x [JE x JE x JE x JE x (JE x Other)]	98.44	1.56
HR	JE x [JE x JE x JE x JE x (JE x Other)]	99.22	0.78

or email records@usjersey.com.

What qualifies for Genetic Recovery?

Females known to have purebred Jersey ancestors are eligible. When the breed composition is not 100% Jersey, record it in the Jersey Expansion program (*see below*).

How do I determine what is an OA?

The Original Animal is the oldest female in a cow family that sired by a bull recorded in the Herd Register or with a GR or PR prefix, or is the daughter of a Herd Register, GR or PR dam. This may be a dead animal.

Females that do not have ancestor information can be qualified for OA status through genotyping.

How do I complete the applications?

Original Animal. Give this animal a name, even if she has always been identified by number. (Her number may be used as part of her name.) Be sure to list her tattoo(s) or the 8, 9 or 15-digit number from the AJCA-approved eartag. Please note that vaccination tattoos are not accepted for permanent ID. Then, include the birth date and, if applicable, the date of death. Then list the name and AJCA registration number for the sire or dam. Enter the other parent as “Unregistered Purebred Jersey.”

Provisional Register. The information needed for this application will be available from the OA application and your herd records. Provide a name, birth date, valid tattoo(s) or eartag number, and the pedigree consisting of the OA dam and Herd Register status sire.

Genetic Recovery. Complete identification for a GR female includes name, date of birth, tattoo(s), sire name and registration number, and dam name and registration number.

A bull may be recorded at the GR level when (1) his pedigree meets program rules and (2) he and both parents are genotyped.

What should be entered in the Jersey Expansion program?

Animals that have ancestors of the Jersey breed and another breed(s) are to be recorded in Jersey Expansion. This gives an accurate record of these animals’ Jersey ancestry. It also defines a clear path to Herd Register status.

When will Expansion animals get to Herd Register status?

Herd Register status is attained by offspring of J6 and HR parents (*see table, reverse side*). Genetic make-up at this level is 99% from AJCA Herd Register bulls.

Can I record females that are not sired by HR bulls? What will be their registry status and will they ever enter the Herd Register?

Yes. The tables on the page show registry status for all mating combinations (*females, Table 4; males, Table 5*). They also show how to make matings that will achieve HR status.

What is the starting point to enroll in Jersey Expansion? What information is needed?

The starting point is the J1 female. One parent—either the sire or dam—must be recorded by the AJCA (*see Table 4, left*).

To record her in Jersey Expansion, give her a name and provide her permanent identification (approved eartag in both ears or legible tattoo, but not vaccination tattoo). List the name and registration number of the parent that is recorded with the AJCA. For the other parent, specify breed and list its identification (American ID tag, or if recorded with a breed associa-

Table 4. Jersey Expansion: Registry Status for Females

Dam Status	Sire Registry Status							
	UX	UR	J4	J5	J6	PR*	GR	HR
UX (non-JE)						J1	J1	J1
UR			J1	J1	J1			**
J1			J2	J2	J2	J2	J2	J2
J2			J2	J3	J3	J3	J3	J3
J3			J3	J3	J4	J3	J4	J4
J4		J1	J4	J4	J4	J4	J4	J5
J5		J1	J4	J5	J5	J5	J5	J6
J6		J1	J4	J5	J6	J6	J6	HR
OA			J4	J5	J6			
PR	J1		J4	J5	J6			
GR	J1		J4	J5	J6			
HR	J1	**	J5	J6	HR			

* Bulls not recorded at PR level effective March 14, 2015.

** Provided UR is purebred Jersey, eligible for Genetic Recovery at OA status

Table 5. Jersey Expansion: Registry Status for Males

Dam Status	Sire Registry Status							
	UX	UR	J4	J5	J6	PR*	GR	HR
J3					J4		J4	J4
J4			J4	J4	J4	J4	J4	J5
J5			J4	J5	J5	J5	J5	J6
J6			J4	J5	J6	J6	J6	HR
OA			J4	J5	J6			
PR			J4	J5	J6			
GR			J4	J5	J6			
HR			J5	J6	HR			

Note: Bulls may be recorded only after being qualified by genotyping, along with both parents.

* Bulls not recorded at PR level effective March 14, 2015.

tion, the registration name and number).

How do I record descendants of J1s?

Give each animal a name and list the birth date and valid tattoo(s) or ear-tag number. Then provide the name and AJCA registration number (or NAAB stud code) for the sire, and the name and registration number for the dam.

Can I register a bull through Jersey Expansion?

Yes, if he is qualified by pedigree for J4, J5 or J6 status and is also genotyped along with both parents.

I have never done genotyping before. What do I do?

You’ll find details about Genomic Services in the “Genetics Center” section of USJersey.com. But sometimes it is helpful to talk to the experts, so phone 614/861-3636 (8:00 a.m. - 4:30 p.m. Eastern) and ask for the genomics service staff.