Information Presented on AJCA Performance Pedigrees

1. Animal sex, DHI herd number (cows only), AJCA registration name and registration number. Twins are labeled.
   A prefix is added to the name when the animal is not recorded in the AJCA Herd Register. For the Genetic Recovery program, these are: OA, first step; PR, second step; and GR, third step. For the Jersey Expansion program, J1 indicates the first-generation crossbred female that has a HR sire or dam. After J1, continuous generations sired by a Herd Register bull carry a prefix of J followed by a number (2 through 6). The prefix UR designates an animal recorded by the AJCA that does not meet requirements for Herd Register, Genetic Recovery or Jersey Expansion recording. Contact AJCA Herd Services or visit USJersey.com for detailed information on animal recording systems.
   A numeric code in brackets in a registration name indicates the number of generations (up to 6) the animal is descended from OA Oomsdale Gordo Goldie Gratitude{1}. Name suffixes include P (polled); PP (tested homozygous polled); ET (embryo transfer); ETS (split embryo); ETN (nuclear transfer, cloning); LL (designated carrier of genetic abnormality Limber Legs); RVC (designated carrier of genetic abnormality Rectovaginal Constriction); PTL (progeny tested for LL); and PTR (progeny tested for RVC).
2. GT indicates that an animal has been genotyped. Source of genomic information by density of the test chip is indicated (e.g., GT3K from 3K density chip, GT6K from 6K chip and so forth, with HD indicating 770K chip). GI indicates that the animal's genotype was imputed from progeny, while GA indicates that genomic data comes from genotyped ancestors.
   Official status for Jersey Haplotypes 1 and 2 based on a genotype of 6K or higher density is listed: F designating status Free, C designating status Carrier.
   Bulls enrolled in the Young Sire Program or Genetic Diversity Program are marked YSP or GDP, respectively. Bulls eligible for, but not enrolled in these programs are designated GQ (qualified for YSP), DQ (qualified for GDP), or DGQ (qualified for both programs). If assigned, the NAAB code for bulls is printed.
3. The date of birth (month, day, year) and, for cows, the DHI processing center control number (CONTROL #).
4. Permanent identification of the animal, labeled by form: tattoo (right ear / left ear), American ID eartag and/or electronic ID.
5. For heifers, the percentile (P-level) of the Parent Average (PA) or genomic PTA for Jersey Performance Index™ (JPI) is printed. P-level indicates how this individual ranks compared to other heifers born in the same year. When PA JPI is not available, the P-level is based upon PA protein.
   Expected Future Inbreeding (EFI), or if animal is genotyped, Genomic Estimate of Future Inbreeding (GFI). EFI estimates future progeny inbreeding, assuming that an animal is mated randomly to the current population. GFI is based on the animal's DNA test of actual homozygosity and percentages of genes in common with the genotyped Jersey population.
6. *Cows only:* Predicted Producing Ability (PPA) and Yield Deviation (YD) for milk, fat and protein. PPA predicts future production. Because PPA is determined relative to a constant genetic base, it can be used to compare one herd situation and is the most effective tool to identify cows that will be profitable milk producers. YD is the weighted average of lactation yield minus selected management and environmental factors, expressed relative to the breed base.
7. CDCB Predicted Transmitting Ability (traditional or genomic) for milk, fat and protein, Net Merit indexes (Cheese Merit dollars, CM$; Net Merit dollars, NM$; Fluid Merit dollars, FM$; Grazing Merit dollars, GM$), plus Productive Life (PL), fertility traits (Daughter Pregnancy Rate, DPR; Cow Conception Rate, CCR; Heifer Conception Rate, HCR), and Somatic Cell Score (SCS).
   The evaluation issue date and number of records (females) or daughters (bulls) are given, with the Reliability (%R) of the evaluation. Percentile (%ILE) indicates the animal's ranking relative to all others of its sex. PTAs can be compared to indicate which animal will, on the average, transmit higher production to offspring. The difference in PTAs between any two bulls is the amount their future daughters will differ in performance when matings are to dams of equal genetic merit.
   AJCA Predicted Transmitting Ability for Type (PTAT/GPTAT), Jersey Udder Index (JUI/GJUI) and Jersey Performance Index™ (JPI/GJPI) with the date of the evaluation.
   Jersey Performance Index™ combines PTA/GPTA for Protein, Fat, Functional Trait Index (FTI), PL, SCS and fertility traits (DPR, CCR and HCR), with relative weights of 43% Protein : 15% Fat : 15% FTI : 10% PL : 6% SCS : 11% combined fertility traits. JPI ranks animals for combined genetic merit (production, type, and fitness traits).
   PTAT/GPTAT is the genetic evaluation for final score–type relative to breed base. PTAs/GPTAs for type appraisal breakdown traits are printed.
   For young animals without their own performance information or that have not been genomically tested, Parent Average (PA) is calculated for milk, fat, protein, Net Merit indexes, type, and JPI. PA is the sum of 1/2 the sire's PTA and 1/2 the dam's PTA. PA estimates are also printed for appraisal breakdown traits. Reliability (%R) for these estimates is also printed.
8. Lactation records. Up to 16 records are printed, listing information in this order: age at calving, days milked, times milked per day, actual pounds milk, percent fat, actual pounds fat, percent protein, actual pounds protein, and data collection rating (DCR). If a verification test was conducted during the lactation, a V is printed. The 305-day, 2x, mature equivalent lactation average for records at least 180 days in length is also printed.
9. Type evaluations, the cow's age and final score. Final scores are: Excellent (90 and above); Very Good (80-89 inclusive); Desirable (70-79); Acceptable (60-69); and Poor (50-59). Scores for breakdown traits from the most recent appraisal are listed: ST, stature; SR, strength; DF, dairy form; RA, rump angle; RW, rump width; RL, rear leg set; FA, foot angle; FU, fore udder; RH, rear udder height; RUW, rear udder width; UC, udder cleft; UD, udder depth; TP, teat placement; TL, teat length; RTR, Rear Teat Placement-Rear View; RTS, Rear Teat Placement-Side View.
10. The sire of the animal, his registration number, and when applicable, genotype, JH1 and JH2 status, sire program and NAAB code. The CDCB genetic evaluations for milk, fat, protein, CM$, NM$ and FM$; fitness traits (PL, DPR, CCR, HCR and SCS); and AJCA genetic evaluations for type are listed, with evaluation date.
11. The dam, her registration number, genotype status and haplotype test status (when applicable), permanent ID, lactation records, production summary, and genetic evaluations are given. Up to 12 lactations are printed.
12. Age and final score, with type breakdowns for last evaluation.
13. The date that this document was compiled and printed.
14. The Recorded Owner, as indicated on the records of the AJCA.
15. The Breeder of the animal (Recorded Owner of the dam at conception of animal).
16. *Females only:* Total of registered progeny, followed by registration number, sex, tattoo and genotype status (if applicable) for the eight youngest progeny, listed in reverse birth order.
17. The paternal grandsire *(refer to 10)*.
18. The paternal grandam *(refer to 11)*. Up to four lactations are printed. Cows with AJCA registration numbers below 2,300,000 or cows registered in other countries may not have lactations printed. Only the latest final score is given.
19. The maternal grandsire *(refer to 10)*.
20. The maternal grandam *(refer to 11)*. Up to 4 lactations, along with type evaluations are printed.

OFFICIAL AJCA PERFORMANCE PEDIGREE

1 FEMALE DHI HERD # 92-23-0452

SUNSET CANYON VIBRANT DAFFY 922-ET

USA 117214950 2 GT50K JH1F JH2F

3 BORN 07/14/2010 CONTROL # 1922

4 TATTOO / C922

5 GFI 8.6%

6 PPA 4359M 194F 136P / YD 3552M 149F 117P
CDCB GPTA 04/01/2015 3RECS 83%R 99%ILE

7 1543M 56F 47P 428CM$ 427NM$ 424FM$ 377GM$
2.1PL -0.7DPR 0.4CCR 1.8HCR 3.01SCS
AJCA 04/01/2015 GPTAT 79%R 0.3 GJUI 0.2 GJPI 78%R 177

ST	SR	DF	RA	RW	RL	FA
0.2	-0.3	1.0	L0.8	0.1	S0.3	S0.1
FU	RH	RUW	UC	UD	TP	TL
-0.7	1.0	0.8	1.1	D1.2	C0.4	S0.4

8
2-00 305 2 20000 4.6 925 3.4 682 95DCR 2356C
3-01 305 2 24460 4.7 1159 3.7 895 98DCR 3095C
305 2X ME AVG 2L 26514M 1219F 934P 3215C

9 2-04 86% 3-07 86%

ST	SR	DF	RA	RW	RL	FA	FU	RH	RUW	UC	UD	TP	TL	RTR	RTS
42	36	35	24	37	28	35	29	48	37	35	21	35	29	45	29

10 **ALL LYNNS RESTORE VIBRANT-ET**

USA 116076850 GT50K JH1F JH2F 29JE3647
CDCB GPTA 04/01/2015 943DAUS 229HRDS 16%RIP
99%R 1777M -0.28% 25F 79%ILE
99%R -0.11% 40P 354CM$ 374NM$ 422FM$ 283GM$
4.5PL -1.8DPR 0.8CCR 0.8HCR 2.93SCS
AJCA 04/01/2015 596DAUS
GPTAT 98%R -0.5 GJUI -10.6 GJPI 97%R 139

11 **PEARLMONT IMPULS DAFFY**

USA 114356624 GTHD JH1F JH2F / T49
DHI HERD # 92-23-0633 CONTROL # 9000
PPA 703M 98F 77P / YD 659M 91F 64P
CDCB GPTA 04/01/2015 4RECS 95%R 99%ILE
357M 44F 29P 404CM$ 370NM$ 287FM$ 360GM$
2.7PL 1.1DPR 0.9CCR 2.4HCR 2.92SCS
AJCA 04/01/2015 GPTAT 92%R 0.6 GJUI 6.2 GJPI 92%R 147

1-10 305 2 13620 5.0 686 3.9 530 100DCR 1833C
2-11 305 2 17990 5.1 912 4.0 728 101DCR 2472C
4-03 305 2 18560 5.0 932 3.8 707 102DCR 2446C
6-07 305 2 16190 5.1 825 3.9 637 102DCR 2205C
8-10 305 2 14990 5.6 839 4.0 606 102DCR 2098C
305 2X ME AVG 5L 16794M 856F 661P 2271C

12 2-02 84% 3-04 90%

ST	SR	DF	RA	RW	RL	FA	FU	RH	RUW	UC	UD	TP	TL	RTR	RTS
43	32	41	26	38	24	26	29	42	34	26	24	38	26		

13 ISSUE DATE 04/09/2015

OWNER: 725607
SUNSET CANYON & HALE KARA
26755 BLAINE RD
BEAVER, OR 97108

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BREEDER: 721556
ROOS BRUCE, HALE KARA & SUNSET CANYON JERSEYS
26755 BLAINE RD
BEAVER, OR 97108

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LAST 8 OF 10 PROGENY FOR USA 117214950

16
USA 119207206 F 12/28/2014 / C501 GT13K
USA 118620484 F 08/28/2013 / C327 GT80K
USA 118122472 F 07/19/2012 / C171 GT8K
USA 118036607 F 06/04/2012 / C160 GT8K
USA 118036401 F 06/02/2012 / C159 GT8K
USA 118035286 F 06/01/2012 / C158 GT8K
USA 118002778 M 04/26/2012 / C533 GT50K
USA 118002769 M 04/20/2012 / C532 GT50K

SCHULTZ DUDLEY RESTORE-ET

USA 113008443 GTHD JH1F JH2C YSP 29JE3360
CDCB GPTA 04/01/2015 2191DAUS 337HRDS 9%RIP
99%R 1163M -0.32% -10F 26%ILE
99%R -0.10% 22P 118CM$ 135NM$ 176FM$ 110GM$
2.4PL 0.1DPR 1.5CCR -0.7HCR 2.79SCS
AJCA 04/01/2015 687DAUS
GPTAT 98%R -0.7 GJUI -10.2 GJPI 98%R 69

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D&E PARAMOUNT VIOLET 90%

USA 067007718 GTHD JH1F JH2F TAG: 7718
PPA 4651M 163F 131P / YD 4248M 143F 128P
CDCB GPTA 04/01/2015 3RECS 95%R 99%ILE
1648M 52F 52P 478CM$ 474NM$ 463FM$ 349GM$
4.2PL -3.0DPR -0.8CCR 0.8HCR 3.01SCS
AJCA 04/01/2015 GPTAT 94%R 0.7 GJUI -3.4 GJPI 93%R 181

18

1-09 305 2 20540 4.6 954 3.3 684 94DCR 2362C
2-09 305 2 20550 4.5 921 3.4 705 94DCR 2436C
5-02 305 3 27600 4.2 1167 3.5 953 95DCR 3186C
305 2X ME AVG 3L 23841M 1059F 813P 2788C

ISDK Q IMPULS

JEDNK000000301592 GTHD JH1F JH2F 236JE3
CDCB GPTA 04/01/2015 30407DAUS 2868HRDS 10%RIP
99%R 82M 0.17% 39F 58%ILE
99%R 0.12% 26P 329CM$ 290NM$ 197FM$ 312GM$
1.4PL 1.6DPR 2.6CCR 0.5HCR 3.09SCS
AJCA 04/01/2015 16558DAUS
GPTAT 99%R -0.1 GJUI -3.1 GJPI 99%R 109

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PEARLMONT PARAMOUNT DAFFODIL

USA 113148262 GT50K JH1C JH2F / PM71
DHI HERD # 13-03-0223 CONTROL # 781
PPA 3042M 79F 54P / YD 1515M 39F 30P
CDCB GPTA 04/01/2015 5RECS 82%R 60%ILE
422M 8F 6P 81CM$ 88NM$ 107FM$ 79GM$
0.8PL 0.1DPR -0.1CCR 1.1HCR 2.85SCS
AJCA 04/01/2015 GPTAT 79%R 0.5 GJUI 3.7 GJPI 78%R 41

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2-10 305 2 19640 4.3 853 3.3 653 99DCR 2255C
4-01 297 2 20740 4.4 904 3.3 694 98DCR 2397C
5-00 305 2 20700 4.0 828 3.3 689 102DCR 2277C
6-03 305 2 19510 4.7 911 3.3 645 102DCR 2227C
305 2X ME AVG 5L 20779M 890F 692P 2358C

2-04 84% 3-06 88% 4-01 90% 5-03 91%

ST	SR	DF	RA	RW	RL	FA	FU	RH	RUW	UC	UD	TP	TL	RTR	RTS
37	38	43	20	34	27	26	25	43	44	25	17	46	23		