

OFFICIAL AJCA PERFORMANCE PEDIGREE

1 FEMALE DHI HERD # 35-25-1518 ISSUE DATE 12/04/2014 **13**
WAUNAKEE MERCHANT PRICKLE 3241-ET **2** OWNER: 258036 **14**
 USA 070925410 GT50K JH1F JH2F LAUFENBERG, GERALD
3 BORN 11/14/2011 CONTROL # 3241 MOUNT HOREB, WI 53572
4 AMERICAN ID EARTAG 3241 / 3241 **5** GFI 9.5%
6 PPA -1424M 213F 69P / YD -1542M 225F 71P **15**
7 CDCB GPTA 12/01/2014 1RECS 78%R 95%ILE LAUFENBERG, GERALD
 192M 39F 16P 268CM\$ 251NM\$ 211FM\$ 180GM\$ 121 N 2ND ST
 2.0PL -1.7DPR -1.8CCR -0.3HCR 3.01SCS MOUNT HOREB, WI 53572
 AJCA 12/01/2014 GPTAT 76%R 1.3 GJUI 14.7 GJPI 73%R 79
 ST SR DF RA RW RL FA FU RH RUW UC UD TP TL RTR RTS
 0.0 -0.2 1.3 L0.9 -0.1 S0.4 L0.2
 FU RH RUW UC UD TP TL
 0.8 2.0 1.5 0.6 S0.8 C0.3 S0.3
8 1-11 305 2 18800 5.1 958 3.8 708 97DCR 2449C
 305 2X ME AVG 1L 23562M 1186F 896P 3100C
 2-02 86%
9 ST SR DF RA RW RL FA FU RH RUW UC UD TP TL RTR RTS
 39 35 37 28 35 28 24 30 42 32 36 39 28 27 45 34

LAST 1 OF 1 PROGENY FOR USA 070925410
 USA 072457921 M 10/20/2013 491 / 491 GT8K **16**

10 **SUNSET CANYON MERCHANT-ET**
 USA 114256027 GT50K JH1C JH2F YSP 11JE884
 CDCB GPTA 12/01/2014 1894DAUS 206HRDS 8%RIP
 99%R 89M 0.15% 30F 20%ILE
 99%R 0.04% 10P 81CM\$ 69NM\$ 42FM\$ -52GM\$
 -0.9PL -4.7DPR -5.3CCR -2.5HCR 3.04SCS
 AJCA 12/01/2014 1304DAUS
 GPTAT 99%R 1.6 GJUI 18.0 GJPI 98%R 0

11 **WAUNAKEE JEVON PROMIS 2058**
 USA 116069883 GT50K JH1F JH2F / W2058
 DHI HERD # 35-25-0350 CONTROL # 2058
 PPA 1677M 218F 130P / YD 2361M 249F 148P
 CDCB GPTA 12/01/2014 1RECS 82%R 98%ILE
 735M 17F 17P 321CM\$ 325NM\$ 334FM\$ 332GM\$
 4.6PL 2.1DPR 2.7CCR 1.6HCR 2.85SCS
 AJCA 12/01/2014 GPTAT 77%R 0.5 GJUI 5.6 GJPI 77%R 131
 1-11 280 3 26010 5.7 1470 3.1 809 85DCR 2791C
 305 2X ME AVG 1L 31119M 1803F 1000P 3452C

12 2-02 86%
 ST SR DF RA RW RL FA FU RH RUW UC UD TP TL RTR RTS
 30 26 39 22 28 24 36 28 43 40 36 29 30 32

WINDY WILLOW MONTANA JACE
 USA 110106571 GTHD JH1C JH2F 7JE535
 CDCB GPTA 12/01/2014 12941DAUS 1915HRDS 4%RIP
 99%R 165M 0.06% 19F 23%ILE
 99%R 0.01% 8P 118CM\$ 107NM\$ 81FM\$ 46GM\$
 0.8PL -1.4DPR -2.9CCR -2.1HCR 2.83SCS
 AJCA 12/01/2014 7757DAUS
 GPTAT 99%R 0.5 GJUI -3.1 GJPI 99%R 25

SUNSET CANYON QUEST MAID 11-ET 87%
 USA 111981193 / C1066
 PPA -1203M 269F 58P / YD -1721M 217F 37P
 CDCB PTA 12/01/2014 2RECS 78%R 36%ILE
 -303M 39F -2P -10CM\$ -16NM\$ -32FM\$ -24GM\$
 -2.5PL -1.3DPR -0.8CCR -0.4HCR 3.20SCS
 AJCA 12/01/2014 PTAT 69%R -0.3 JUI -8.1 JPI 71%R -29
 2-06 305 3 23020 6.2 1417 3.7 848 90DCR 2933C
 365 3 26517 6.2 1637 3.7 988 DHIR 3418C
 3-08 305 2 22900 6.5 1499 3.8 881 92DCR 3049C
 365 2 26035 6.5 1695 3.9 1007 DHIR 3486C
 305 2X ME AVG 2L 23228M 1457F 878P 3038C

FOREST GLEN MECCAS JEVON-ET
 USA 112797481 GT50K JH1F JH2F GDP 29JE3346
 CDCB GPTA 12/01/2014 7602DAUS 788HRDS 9%RIP
 99%R 409M 0.05% 29F 37%ILE
 99%R -0.03% 10P 163CM\$ 162NM\$ 162FM\$ 132GM\$
 1.3PL -0.2DPR 0.1CCR -1.1HCR 2.86SCS
 AJCA 12/01/2014 3624DAUS
 GPTAT 99%R -0.2 GJUI -15.6 GJPI 99%R 45

AHLEM B JOHN PRINCESS 3183-ET
 USA 067053183 GI / T3183
 DHI HERD # 35-25-0350 CONTROL # 3183
 PPA 4088M 284F 176P / YD 1100M 141F 98P
 CDCB GPTA 12/01/2014 4RECS 83%R 88%ILE
 576M -9F 11P 187CM\$ 191NM\$ 202FM\$ 229GM\$
 3.1PL 2.5DPR 3.1CCR 2.3HCR 2.78SCS
 AJCA 12/01/2014 GPTAT 77%R -0.2 GJUI 2.7 GJPI 76%R 93
 4-09 305 3 34660 5.0 1720 3.3 1130 91DCR 3901C
 6-09 305 3 35900 4.8 1728 3.2 1153 94DCR 3980C
 8-02 305 3 30160 4.5 1370 3.3 997 94DCR 3443C
 9-03 305 3 31850 4.6 1472 3.4 1086 93DCR 3752C
 305 2X ME AVG 6L 29886M 1399F 991P 3421C

2-02 87% 4-00 88% 4-07 90% 8-09 91%
 ST SR DF RA RW RL FA FU RH RUW UC UD TP TL RTR RTS
 48 45 46 25 46 28 35 40 38 48 28 16 45 27

Information Presented on AJCA Performance Pedigrees

1. Animal sex, DHI herd number (cows only), AJCA registration name and registration number.

If the animal has registry status other than Herd Register, a prefix is added to the name. For the Genetic Recovery program, these are: OA, first step; PR, second step; and GR, third step. For the Jersey Expansion program, J1 indicates first-generation crossbred, provided the animal has an Jersey HR (no prefix) sire or dam. The prefix UR designates an animal recorded by the AJCA that does not meet requirements for HR, GR, PR, OA or J1 status.

Twins are labeled. 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, CMS; Net Merit dollars, NMS; Fluid Merit dollars, FMS; Grazing Merit dollars, GMS), 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™ (2015 update) 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 is used to rank 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 on a 50 to 99 scale: 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, CMS, NMS and FMS; 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.

Request detail from AJCA Herd Services (records@usjersey.com) or refer to Green Book Online (<http://greenbook.usjersey.com>).