



Supplemental Data

2019 Production Sale

| Lot | ID | Dam | IMF | REA | Fat | Scrotal |
|-----|------|------|------|------|------|---------|
| 1 | 8001 | 4035 | 3.79 | 11.2 | 0.24 | 36 |
| 2 | 8006 | 4205 | 2.86 | 10.9 | 0.24 | 36 |
| 3 | 8007 | 3064 | 2.45 | 11.1 | 0.26 | 36 |
| 4 | 8015 | 3006 | 2.17 | 12.8 | 0.11 | 35 |
| 5 | 8016 | 3061 | 3.84 | 12.7 | 0.15 | 36 |
| 6 | 8018 | A131 | 3.55 | 11.9 | 0.33 | 38 |
| 7 | 8026 | 6067 | 2 | 12.1 | 0.11 | 35 |
| 8 | 8029 | 6182 | 2.5 | 13.3 | 0.2 | 36 |
| 9 | 8033 | 4022 | 3.04 | 12.3 | 0.24 | 41 |
| 10 | 8034 | 4180 | 2.61 | 12.5 | 0.18 | 35 |
| 11 | 8035 | 6086 | 2.15 | 11.4 | 0.17 | 39 |
| 12 | 8037 | 3218 | 3.19 | 11.1 | 0.26 | 39 |
| 13 | 8040 | 6269 | 2.41 | 12.1 | 0.15 | 35 |
| 14 | 8042 | 1126 | 2.34 | 11.2 | 0.13 | 36 |
| 15 | 8043 | 9109 | 2.1 | 11.3 | 0.13 | 35 |
| 16 | 8047 | 2030 | 4.06 | 10.7 | 0.23 | 39 |
| 17 | 8048 | 4009 | 3.64 | 10.7 | 0.17 | 36 |
| 18 | 8049 | 6125 | 2.48 | 12 | 0.13 | 34 |
| 19 | 8050 | 4207 | 3.13 | 12.8 | 0.17 | 37 |
| 20 | 8055 | 5048 | 2.42 | 10.3 | 0.26 | 38 |
| 21 | 8060 | 73 | 2.22 | 11.9 | 0.24 | 37 |
| 22 | 8065 | 6129 | 3.42 | 12.3 | 0.2 | 35 |
| 23 | 8067 | 1021 | 2.36 | 11.4 | 0.29 | 38 |
| 24 | 8069 | 6446 | 3.74 | 10.2 | 0.15 | 35 |
| 25 | 8071 | 3121 | 2.06 | 10.8 | 0.17 | 41 |
| 26 | 8073 | 6251 | 3.55 | 12.1 | 0.17 | 36 |
| 27 | 8075 | 8002 | 2.72 | 11.8 | 0.15 | 35 |
| 28 | 8076 | 2138 | 2.88 | 12.3 | 0.28 | 40 |
| 29 | 8079 | 22 | 3.45 | 11.3 | 0.24 | 37 |
| 30 | 8081 | B61 | 2.59 | 12.1 | 0.09 | 38 |
| 31 | 8086 | 1121 | 2.71 | 11.5 | 0.2 | 36 |
| 32 | 8088 | 3340 | 2.23 | 11.8 | 0.18 | 38 |
| 33 | 8090 | 2269 | 2.35 | 12.7 | 0.15 | 41 |
| 34 | 8091 | 6099 | 3.93 | 10.4 | 0.15 | 35 |
| 35 | 8096 | 37 | 2.56 | 10.8 | 0.19 | 35 |
| 36 | 8104 | 3039 | 2.61 | 11.2 | 0.19 | 39 |
| 37 | 8106 | C7 | 3.15 | 11.7 | 0.24 | 36 |
| 38 | 8107 | 3337 | 3.68 | 10.8 | 0.17 | 39 |
| 39 | 8108 | 6126 | 2.72 | 12.2 | 0.23 | 39 |
| 40 | 8109 | C57 | 3.14 | 10.4 | 0.19 | 37 |
| 41 | 8118 | 4214 | 3.45 | 10.9 | 0.15 | 36 |
| 42 | 8121 | 6240 | 3 | 10.5 | 0.15 | 33 |
| 43 | 8122 | 6282 | 2.57 | 10.7 | 0.2 | 35 |
| 44 | 8124 | 1138 | 4.57 | 12.3 | 0.31 | 35 |
| 45 | 8126 | 3054 | 6.81 | 12.4 | 0.16 | 38 |
| 46 | 8130 | 6130 | 3.91 | 13.4 | 0.31 | 38 |

| Lot | ID | Dam | IMF | REA | Fat | Scrotal |
|-----|-------------|------|------|------|------|---------|
| 47 | 8133 | 3244 | 2.73 | 11.7 | 0.29 | 38 |
| 48 | 8141 | 5109 | 3.64 | 11.2 | 0.11 | 34 |
| 49 | 8143 | 8103 | 3.53 | 9.53 | 0.15 | 37 |
| 50 | 8157 | 4104 | 2.54 | 12.6 | 0.11 | 39 |
| 51 | 8160 | 6187 | 2.95 | 12.2 | 0.24 | 37 |
| 52 | 8164 | 5063 | 2.24 | 11.3 | 0.13 | 33 |
| 53 | 8173 | 5007 | 2.63 | 12 | 0.19 | 36 |
| 54 | 8175 | 6140 | 2.64 | 12.4 | 0.16 | 37 |
| 55 | 8179 | 6286 | 4.64 | 12.9 | 0.23 | 36 |
| 56 | 8180 | 6304 | 3.49 | 10.1 | 0.19 | 33 |
| 57 | 8182 | 6228 | 2.84 | 11.8 | 0.13 | 34 |
| 58 | 8186 | 9164 | 1.81 | 11.9 | 0.17 | 38 |
| 59 | 8188 | 4047 | 2.02 | 12 | 0.19 | 35 |
| 60 | 8191 | 6018 | 3.55 | 10.9 | 0.28 | 35 |
| 61 | 8195 | 45Z | 2.43 | 13.8 | 0.13 | 37 |
| 62 | 8196 | 5105 | 2.84 | 11.5 | 0.19 | 33 |
| 63 | 8202 | 33 | 3.25 | 10.3 | 0.11 | 36 |
| 64 | 8206 | 6084 | 2.87 | 11.4 | 0.19 | 34 |
| 65 | 8207 | 3290 | 3.49 | 11.9 | 0.27 | 35 |
| 66 | 8209 | 2214 | 2.3 | 12.5 | 0.17 | 37 |
| 67 | 8210 | 5146 | 3.07 | 11.9 | 0.19 | 33 |
| 68 | OUT OF SALE | | | | | |
| 69 | 8216 | 2112 | 2.58 | 11.9 | 0.2 | 35 |
| 70 | 8220 | 937 | 2.32 | 10.6 | 0.15 | 38 |
| 71 | 8231 | 8040 | 2.95 | 11 | 0.13 | 39 |
| 72 | OUT OF SALE | | | | | |
| 73 | 8234 | 6150 | 2.89 | 12 | 0.19 | 36 |
| 74 | 8237 | Y135 | 4.71 | 11.5 | 0.2 | 34 |
| 75 | 8239 | 6109 | 4.18 | 11.6 | 0.16 | 36 |
| 76 | 8249 | 2018 | 3.23 | 11.1 | 0.15 | 35 |
| 77 | 8251 | B3 | 3.24 | 11.2 | 0.26 | 37 |
| 78 | 8254 | 9119 | 3.86 | 12.4 | 0.14 | 35 |
| 79 | 8260 | 4012 | 2.2 | 12.3 | 0.15 | 33 |
| 80 | 8261 | 2140 | 2.3 | 12.5 | 0.12 | 35 |
| 81 | 8262 | 4165 | 3.35 | 11.7 | 0.19 | 36 |
| 82 | 8270 | 6114 | 3.19 | 14 | 0.24 | 36 |
| 83 | 8271 | 5291 | 4.7 | 10.6 | 0.22 | 33 |
| 84 | 8282 | 2113 | 2.42 | 11.9 | 0.13 | 37 |
| 85 | 8284 | 5213 | 3.26 | 12.5 | 0.2 | 36 |
| 86 | 8285 | 6256 | 3.35 | 12.2 | 0.17 | 36 |
| 87 | 8286 | B16 | 2.28 | 12.8 | 0.15 | 37 |
| 88 | 8297 | 6027 | 2.26 | 12 | 0.2 | 35 |
| 89 | 8302 | 2034 | 3.39 | 11.6 | 0.17 | 32 |
| 90 | 8306 | 4031 | 3.15 | 11.6 | 0.19 | 37 |
| 91 | 8315 | 2164 | 2.45 | 11.4 | 0.15 | 37 |

*REA and IMF are adjusted for age of bull.

*Fat and Scrotal are actual, not adjusted.