



---

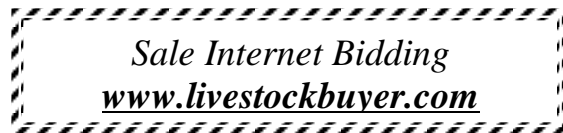
**23<sup>rd</sup> Annual  
VIRGINIA TECH SHEEP CENTER  
PRODUCTION SALE**

Our 2022 Annual Sale will be held exclusively online at  
[www.Livestockbuyer.com](http://www.Livestockbuyer.com).

Sheep available for viewing on campus- call us to arrange. Sheep can be picked up following the sale, and we will work with buyers on transportation.

**Sale closes at 7:00 PM EST on Wednesday, September 7, 2022**

*Selling Dorset & Suffolk ram lambs  
and select group of ewe lambs*



Sale Contact Phone: (540) 230-2680

Prior to Sale Call: (540) 231-9159

Videos, additional details, and updates available on Virginia Tech web site  
<https://www.apsc.vt.edu/facilities0/copenhaversheepcenter.html>

Department of Animal & Poultry Sciences  
Litton-Reaves Hall  
Blacksburg, VA 24061

Dr. Scott Greiner  
Faculty Coordinator  
(540) 231-9159  
[sgreiner@vt.edu](mailto:sgreiner@vt.edu)

Emily Williams  
Copenhaver Sheep Center  
(540) 231-6988  
[wemily93@vt.edu](mailto:wemily93@vt.edu)

## Virginia Tech Suffolk & Dorset Flocks

The registered Suffolk and Dorset flocks are utilized heavily in the teaching, research and outreach missions of the Department of Animal & Poultry Sciences at Virginia Tech. The flocks has been selected for sheep that excel in the traits that have made the breeds popular, while working in forage-based production systems. For the Suffolk flock this includes growth and carcass merit, along with moderate mature size, maternal performance, longevity, structural correctness and eye appeal, genetic resistance to scrapie, and spider-free genotype are also important criteria. The Dorsets are maintained as primarily a fall-lambing flock, with emphasis on early growth and carcass, maternal ability, and moderate mature size. Extensive performance records, as well as selection technologies such as EPDs and DNA genotypes, are used in the selection decisions for both flocks. In recent years, an effort has been made to document genetic differences in FEC through the use of NSIP. A complete flock health program is provided in cooperation with the VA-MD Regional College of Veterinary Medicine.

### Performance Data

**Codon 171 Genotype:** Genotype associated with genetic resistance to scrapie. Presence of at least one *R* is associated with scrapie resistance.

**LAMBPLAN Across Flock EBVs-** Both flocks are enrolled in the National Sheep Improvement Program, which provides Estimated Breeding Values (EBVs) generated through LAMBPLAN in Australia. EBVs provide estimates of the genetic value of an animal as a parent (EBVs are similar to EPDs- an EPD is half the value of the EBV). Specifically, half the difference in EBVs between two individuals predict differences in performance between their future offspring when each is mated to animals of the same genetic merit. All known information on a particular animal is used to calculate its EBV, including performance data (weights, lambing records, carcass ultrasound) on the animal itself, information from its ancestors (sire and dam, grandsire, great grandsire, maternal grandsire, etc.), collateral relatives (brothers and sisters), and progeny (including progeny that are parents themselves). EBVs are reported for the following traits:

**Weaning Wt. EBV (WWT):** predicts genetic merit for weaning growth potential (measured in kg). A ram with a +2.0 WW EBV would be expected to produce progeny that average 1.0 kg heavier at 60 days of age when compared to a ram with a +0.0 WW EBV (ram transmits half the difference of the EBV difference to progeny)

**Post-weaning Wt. EBV (PWWT):** Provides indication of post-weaning growth potential, and reflects differences in progeny weight at 120 days of age (expressed in kg).

**Fat Depth EBV (PFAT):** EBV predicts genetic merit for fat thickness at 12-13<sup>th</sup> rib at constant live weight (expressed in mm). EBV derived from ultrasound scan data.

**Loin Muscle Depth EBV (PEMD):** EBV reflects genetic merit for loin muscle depth (mm) at constant live weight. Larger EBVs indicate more muscularity. EBV is derived from ultrasound scan data.

**Fecal Egg Count EBV (PFEC):** EBV predicts genetic merit for parasite resistance based on worm egg counts.

Animals with low FEC EBVs are expected to have greater parasite resistance. EBV is expressed as percentage.

**Maternal Lambs Weaned EBV (NLW):** EBV indicates genetic potential for fertility and lamb survival, and is expressed as a percentage. Comparing an animal with a +10 Lambs Weaned EBV vs. an animal which is +5, the animal with +10 Lambs Weaned EBV would be expected to produce daughters which wean 2.5% more lambs (half the difference in their EBVs)

**Maternal Milk EBV (MWWT):** Estimates genetic differences in mothering ability and milk production. EBV reflects differences in daughter's lambs weaning weight (kg) primarily due to superior milk production.

**Carcass Plus EBV:** Terminal sire index EBV developed for Australian markets, and includes combination of post-weaning weight, loin muscle depth, and fat thickness. Reasonable assessment for terminal sires in the U.S.

### Sale Information

**Sale Guarantees:** All rams and ewes sell as guaranteed breeders if properly managed. Breeding soundness exams (including semen evaluation) conducted on rams prior to sale. Ewe lambs sell guaranteed open.

**Delivery:** Rams and ewes to be picked up or delivered at a later date following the sale. Visit with us for more details. We will do our best to assist with transportation anywhere in the U.S.

**Absentee Bidding:** We would be happy to work with you in the event you cannot participate in the sale, please contact us.

Detailed information on program, photos of sale sheep, and updates available on the web at

<https://www.apsc.vt.edu/facilities0/copenhaversheepcenter.html>

**23rd Annual Virginia Tech Production Sale**  
**Wednesday, September 7, 2022** online at [LivestockBuyer.com](http://LivestockBuyer.com)

| Lot No.                       | Flock ID | Sire                       | Dam  | Dam's Sire         | Birth Date | Birth Type | Codon 171 | EBVs as of 8/15/22 |                    |                         |               |                       |               |                          |                        |              |
|-------------------------------|----------|----------------------------|------|--------------------|------------|------------|-----------|--------------------|--------------------|-------------------------|---------------|-----------------------|---------------|--------------------------|------------------------|--------------|
|                               |          |                            |      |                    |            |            |           | Birth Weight, kg   | Weaning Weight, kg | Post-weaning Weight, kg | Fat Depth, mm | Loin Muscle Depth, mm | PFEC Count, % | Maternal Lambs Weaned, % | MWWT Maternal Milk, kg | Carcass Plus |
| <b>DORSET RAMS</b>            |          |                            |      |                    |            |            |           |                    |                    |                         |               |                       |               |                          |                        |              |
| 1                             | C004     | VA Tech Z010               | A107 | Maple Hollow 15125 | 10/17/2021 | TW         | QR        | -0.1               | +2.6               | +7.1                    | -2.0          | +0.1                  | -2            | -0.018                   | +0.2                   | +140         |
| 2                             | C032     | Maple Hollow 15125         | W002 | VA Tech P026       | 11/10/2021 | TW         | QR        | +0.4               | +3.4               | +7.2                    | -3.3          | +0.1                  | -3            | -0.041                   | +0.2                   | +148         |
| 3                             | C041     | Maple Hollow 15125         | X021 | VA Tech P026       | 11/14/2021 | TW         | QQ        | +0.5               | +4.4               | +9.0                    | -3.3          | -0.3                  | -8            | -0.033                   | +0.5                   | +152         |
| 4                             | C043     | Maple Hollow 15125         | Z005 | Heisdorffer 1263   | 12/3/2021  | S          | QR        | +0.1               | +2.7               | +5.9                    | -1.6          | +0.1                  | -12           | -0.068                   | -0.1                   | +135         |
| 5                             | C045     | VA Tech Z041               | Z025 | VA Tech P026       | 1/15/2022  | TW         | RR        | +0.0               | +3.0               | +7.4                    | -2.1          | +0.2                  | -25           | -0.037                   | +0.3                   | +144         |
| 6                             | C050     | VA Tech Z041               | W037 | VA Tech P026       | 1/19/2022  | TW         | RR        | -0.2               | +1.9               | +5.0                    | -1.6          | +1.0                  | -23           | -0.045                   | +0.1                   | +140         |
| 7                             | C052     | Maple Hollow 15125         | V031 | VA Tech S036       | 1/22/2022  | TW         | RR        | -0.0               | +2.3               | +6.2                    | -1.8          | +0.1                  | +88           | -0.061                   | -0.5                   | +136         |
| 8                             | C063     | Maple Hollow 15125         | W025 | Huntrods 5887      | 1/26/2022  | TW         | QR        | +0.4               | +4.1               | +9.0                    | -2.8          | -0.9                  | -18           | -0.062                   | +0.6                   | +142         |
| 9                             | C066     | Maple Hollow 15125         | X054 | Heisdorffer 6017   | 1/28/2022  | TW         | QR        | -0.2               | +2.1               | +4.9                    | -0.8          | +1.1                  | -21           | -0.045                   | +0.1                   | +138         |
| 10                            | C068     | VA Tech Z041               | Z028 | Maple Hollow 15125 | 1/28/2022  | S          | QR        | -0.1               | +2.5               | +6.8                    | -2.0          | +0.6                  | -21           | -0.072                   | +0.2                   | +144         |
|                               | C072     | ----- <b>SCRATCH</b> ----- |      |                    |            |            |           |                    |                    |                         |               |                       |               |                          |                        |              |
| 11                            | C073     | Maple Hollow 15125         | W066 | Huntrods 5887      | 1/31/2022  | TR         | RR        | +0.1               | +2.3               | +5.0                    | -1.2          | -0.3                  | -25           | -0.056                   | +0.4                   | +125         |
| 12                            | C077     | Maple Hollow 15125         | B035 | VA Tech Z041       | 2/6/2022   | TW         | QR        | +0.2               | +4.2               | +9.6                    | -3.4          | +0.6                  | -11           | -0.061                   | +0.1                   | +164         |
| <b>U.S Dorset Breed Avg.</b>  |          |                            |      |                    |            |            |           | <b>+0.1</b>        | <b>+1.9</b>        | <b>+4.2</b>             | <b>-1.4</b>   | <b>+0.6</b>           |               |                          |                        | <b>+125</b>  |
| <b>SUFFOLK RAMS</b>           |          |                            |      |                    |            |            |           |                    |                    |                         |               |                       |               |                          |                        |              |
| 13                            | C201     | Seasons Bountry 0030       | Z217 | MGR 3007           | 1/31/2022  | TW         | RR        | -0.1               | +2.1               | +4.0                    | +0.0          | +0.5                  | -42           | +0.012                   |                        | +125         |
| 14                            | C209     | Seasons Bountry 0030       | A203 | Kimm 16061         | 2/3/2022   | TW         | RR        | -0.3               | +1.1               | +1.4                    | +0.4          | +1.7                  | -46           | +0.023                   |                        | +125         |
| 15                            | C211     | Seasons Bountry 0030       | A255 | MGR 3007           | 2/4/2022   | TW         | RR        | -0.2               | +1.0               | +1.1                    | +0.6          | +1.2                  | -12           | +0.022                   | -0.7                   | +117         |
| 16                            | C212     | Seasons Bountry 0030       | A255 | MGR 3007           | 2/4/2022   | TW         | RR        | -0.1               | +1.6               | +2.1                    | +0.2          | +1.1                  | -0            | +0.022                   | -0.7                   | +123         |
| 17                            | C216     | Seasons Bountry 1022       | A271 | MGR 8336           | 2/5/2022   | TW         | QR        | -0.1               | +1.4               | +3.3                    | -2.2          | +2.2                  | +28           |                          |                        | +149         |
| 18                            | C226     | Seasons Bountry 0030       | P204 | Kimm 10131         | 2/8/2022   | TW         | RR        | -0.1               | +1.3               | +2.1                    | +0.6          | +0.3                  | -50           | -0.023                   | +0.4                   | +112         |
| 19                            | C228     | Seasons Bountry 1022       | X298 | MGR 3007           | 2/10/2022  | TR         | RR        | -0.3               | +1.5               | +4.3                    | -2.9          | +2.8                  | +59           | +0.026                   |                        | +163         |
| 20                            | C230     | Seasons Bountry 1022       | Z215 | Kimm 16061         | 2/10/2022  | TW         | RR        | -0.6               | +0.1               | +1.6                    | -0.3          | +2.0                  | +39           |                          |                        | +130         |
| 21                            | C255     | Seasons Bountry 0030       | S329 | MacCauley 2407     | 2/18/2022  | TW         | RR        | +0.0               | +1.7               | +2.0                    | +1.5          | -0.5                  | -54           | -0.013                   | +0.2                   | +99          |
| 22                            | C266     | Seasons Bountry 0030       | A249 | MGR 8336           | 2/20/2022  | TW         | RR        | +0.6               | +3.9               | +5.6                    | -0.9          | -0.9                  | -29           |                          |                        | +122         |
|                               | C268     | ----- <b>SCRATCH</b> ----- |      |                    |            |            |           |                    |                    |                         |               |                       |               |                          |                        |              |
| 23                            | C270     | Dry Sandy 210303           | W237 | MGR 3007           | 2/23/2022  | TW         | RR        | -0.1               | +0.8               | +1.4                    | -1.1          | +1.7                  | -9            | +0.024                   |                        | +130         |
| 24                            | C271     | Dry Sandy 210303           | W237 | MGR 3007           | 2/23/2022  | TW         | RR        | -0.2               | +0.1               | +0.6                    | -0.9          | +1.8                  | -17           | +0.024                   |                        | +127         |
| <b>U.S Suffolk Breed Avg.</b> |          |                            |      |                    |            |            |           | <b>+0.2</b>        | <b>+2.5</b>        | <b>+4.7</b>             | <b>-1.8</b>   | <b>+0.2</b>           |               |                          |                        | <b>+132</b>  |

**23rd Annual Virginia Tech Production Sale**  
**Wednesday, September 7, 2022** online at [LivestockBuyer.com](http://LivestockBuyer.com)

| Lot No.                       | Flock ID | Sire                 | Dam  | Dam's Sire           | Birth Date | Birth Type | Codon 171 | EBVs as of 8/15/22 |                    |                         |               |                       |      |               |                        |              |
|-------------------------------|----------|----------------------|------|----------------------|------------|------------|-----------|--------------------|--------------------|-------------------------|---------------|-----------------------|------|---------------|------------------------|--------------|
|                               |          |                      |      |                      |            |            |           | Birth Weight, kg   | Weaning Weight, kg | Post-weaning Weight, kg | Fat Depth, mm | LoIn Muscle Depth, mm | PFEC | NLW Weaned, % | MWWT Maternal Milk, kg | Carcass Plus |
| <b>DORSET EWE LAMBS</b>       |          |                      |      |                      |            |            |           |                    |                    |                         |               |                       |      |               |                        |              |
| 25                            | C009     | VA Tech Z041         | T011 | Huntrods 5887        | 10/20/2021 | S          | RR        | +0.1               | +2.0               | +4.7                    | -2.1          | +0.3                  | -14  | -0.002        | +0.3                   | +133         |
| 26                            | C012     | VA Tech Z041         | Z006 | VA Tech P026         | 10/22/2021 | TW         | RR        | -0.2               | +1.0               | +2.5                    | -0.8          | +1.1                  | -18  | -0.038        | +0.0                   | +127         |
| 27                            | C024     | VA Tech Z041         | S062 | Huntrods 5887        | 11/8/2021  | S          | RR        | -0.2               | +1.0               | +2.9                    | -1.6          | +1.2                  | -29  | -0.043        | +0.1                   | +133         |
| 28                            | C035     | VA Tech Z041         | W048 | VA Tech P026         | 11/12/2021 | S          | QR        | -0.2               | +1.5               | +4.1                    | -1.5          | +1.0                  | -17  | -0.060        | +0.3                   | +136         |
| 29                            | C036     | Maple Hollow 15125   | S027 | Huntrods 5887        | 11/12/2021 | S          | QR        | -0.2               | +0.2               | +0.7                    | -0.2          | +0.9                  | -15  | -0.034        | +0.1                   | +114         |
| 30                            | C040     | VA Tech Z041         | Z033 | Heisdorffer 1263     | 11/13/2021 | S          | RR        | -0.5               | +1.1               | +4.0                    | -0.8          | +1.3                  | -36  | -0.031        | -0.0                   | +135         |
| 31                            | C049     | Maple Hollow 21023   | T018 | Huntrods 5887        | 1/18/2022  | S          | QR        | +0.0               | -0.2               | -1.1                    | -2.1          | +2.4                  | +34  | -0.006        | +0.6                   | +131         |
| 32                            | C054     | VA Tech Z041         | A156 | VA Tech P026         | 1/23/2022  | S          | RR        | -0.3               | +0.7               | +2.3                    | -1.8          | +2.4                  | -50  | -0.049        | +0.1                   | +144         |
| 33                            | C061     | VA Tech Z041         | A158 | VA Tech P026         | 1/25/2022  | TW         | QR        | -0.1               | +2.1               | +5.9                    | -1.6          | +0.2                  | -17  | -0.048        | +0.1                   | +134         |
| 34                            | C062     | VA Tech Z041         | A158 | VA Tech P026         | 1/25/2022  | TW         | RR        | +0.1               | +2.1               | +5.6                    | -1.8          | -0.0                  | -16  | -0.048        | +0.1                   | +132         |
| 35                            | C074     | Maple Hollow 15125   | W066 | Huntrods 5887        | 1/31/2022  | TR         | QR        | +0.2               | +2.5               | +4.4                    | -2.0          | +0.8                  | -8   | -0.056        | +0.4                   | +139         |
| 36                            | C082     | Maple Hollow 15125   | X025 | VA Tech P026         | 2/11/2022  | S          | QR        | +0.3               | +2.6               | +5.4                    | -1.8          | -0.5                  | -11  | -0.071        | -0.2                   | +126         |
| 37                            | C083     | Maple Hollow 21023   | B027 | VA Tech Z041         | 2/13/2022  | S          | QQ        | +0.2               | +2.0               | +4.5                    | -2.5          | +0.6                  | +7   | -0.021        |                        | +137         |
| <b>U.S Dorset Breed Avg.</b>  |          |                      |      |                      |            |            |           | <b>+0.1</b>        | <b>+1.9</b>        | <b>+4.2</b>             | <b>-1.4</b>   | <b>+0.6</b>           |      |               |                        | <b>+125</b>  |
| <b>SUFFOLK EWE LAMBS</b>      |          |                      |      |                      |            |            |           |                    |                    |                         |               |                       |      |               |                        |              |
| 38                            | C206     | Seasons Bountry 0030 | A202 | MGR 3007             | 2/3/2022   | TW         | RR/QR     | -0.2               | +1.5               | +2.5                    | -0.2          | +1.5                  | -61  | +0.038        |                        | +130         |
| 39                            | C210     | Seasons Bountry 1022 | Z230 | MGR 8336             | 2/4/2022   | S          | RR/QR     | -0.1               | +0.8               | +1.1                    | -2.1          | +2.6                  | +70  |               |                        | +144         |
| 40                            | C224     | Seasons Bountry 1022 | V307 | MGR 3007             | 2/7/2022   | TW         | RR/QR     | -0.3               | +0.2               | +1.8                    | -1.0          | +1.3                  | -36  | +0.002        |                        | +126         |
| 41                            | C225     | Seasons Bountry 1022 | V307 | MGR 3007             | 2/7/2022   | TW         | RR/QR     | -0.2               | +1.0               | +3.5                    | -1.0          | +0.8                  | -36  | +0.002        |                        | +127         |
| 42                            | C234     | Seasons Bountry 1022 | A251 | MGR 3007             | 2/11/2022  | S          | RR/QR     | -0.3               | +1.1               | +3.3                    | -1.7          | +1.9                  | +3   | +0.019        |                        | +143         |
| 43                            | C249     | Seasons Bountry 0030 | S275 | MGR 9094             | 2/16/2022  | TW         | RR/QR     | -0.4               | +0.6               | -0.8                    | +1.8          | +1.9                  | +26  | +0.013        | -0.3                   | +113         |
| 44                            | C256     | Seasons Bountry 1022 | V208 | MGR 3007             | 2/18/2022  | TW         | RR/QR     | -0.2               | +1.6               | +3.8                    | -0.8          | +0.9                  | +24  | +0.011        |                        | +131         |
| 45                            | C262     | Seasons Bountry 1022 | B204 | VA Tech W332         | 2/20/2022  | TW         | RR/QR     | +0.2               | +1.7               | +3.3                    | -0.3          | -0.6                  | +28  |               |                        | +110         |
| 46                            | C273     | Seasons Bountry 1022 | T282 | Kimm 13073           | 2/25/2022  | S          | RR/QR     | -0.1               | +1.1               | +2.9                    | -1.7          | +1.5                  | -33  | -0.020        |                        | +137         |
| 47                            | C277     | Seasons Bountry 0030 | A266 | MGR 3007             | 2/26/2022  | TW         | RR/QR     | +0.2               | +2.0               | +3.4                    | -0.2          | -0.4                  | -55  | +0.016        |                        | +112         |
| 48                            | C289     | Seasons Bountry 0030 | B203 | VA Tech W332         | 3/12/2022  | TW         | RR/QR     | -0.6               | -1.2               | -3.5                    | +4.2          | +0.2                  | -43  |               |                        | +71          |
| 49                            | C290     | Seasons Bountry 1022 | B257 | Seasons Bountry 0030 | 3/13/2022  | TW         | RR/QR     | -0.1               | +2.1               | +4.4                    | -1.8          | +1.6                  | -46  |               |                        | +146         |
| <b>U.S Suffolk Breed Avg.</b> |          |                      |      |                      |            |            |           | <b>+0.2</b>        | <b>+2.5</b>        | <b>+4.7</b>             | <b>-1.8</b>   | <b>+0.2</b>           |      |               |                        | <b>+132</b>  |