

# 46<sup>th</sup> Annual Virginia Performance Tested Ram Lamb Sale and Replacement Ewe Lamb Sale

Saturday, August 28, 2021

Virginia Sheep Evaluation Station

Virginia Tech Shenandoah Valley AREC

2763 Raphine Rd., Raphine, VA 24472



10:30 a.m. Field Day &  
Educational Program

1:00 p.m. Ram and Ewe Sale

Online bidding  
available at:  
[livestockbuyer.com](http://livestockbuyer.com)



More information, including ram videos available  
at Virginia Sheep Producers Assoc. website

[www.vasheeproducers.com](http://www.vasheeproducers.com)

Or contact:

Dr. Scott Greiner

Extension Animal Scientist, Sheep  
Virginia Tech

540-231-9159, [sgreiner@vt.edu](mailto:sgreiner@vt.edu)

Find us on 

[www.facebook.com/VARamTest](http://www.facebook.com/VARamTest)

## **Breeding Season Management**

Scott P. Greiner, Extension Animal Scientist- Sheep, Virginia Tech

A diligent amount of time spent studying performance information, pedigrees and other pertinent information is warranted as ram selection is the most important tool for making genetic progress in the flock. Of equal importance is the care and management of the newly acquired ram. Proper management and nutrition are essential for the ram to perform satisfactorily during the breeding season. With ram lambs, management prior, during, and after the first breeding season is particularly important.

### **Ram Lamb Management**

Ram lambs offered through the Virginia Performance Tested Ram Lamb Sale have recently completed a gain test, which provided a high plane of nutrition. To prepare the rams for the breeding season and prevent excess fat deposition, rams have been limit fed a grain ration and had unlimited access to pasture since completion of the test. Young rams should be managed to be in moderate body condition prior to the breeding season (not excessively fat or thin), to provide adequate reserves of energy for use during the breeding season. The rams should continue to receive grain supplementation at a rate of 2% of their bodyweight daily, along with an abundance of high quality forage. Provide adequate clean water, and a high selenium mineral formulated for sheep free-choice. A facility for the newly acquired ram that allows for ample exercise will help create rams that are physically fit for the breeding season. The facility should allow the rams to remain cool during hot days, so potential fertility problem due to heat stress can be avoided. It is advisable not to commingle a newly purchased ram lamb with older, mature rams. Particular care should be taken if rams from different sources need to be commingled, and all commingling should take place prior to the breeding season.

Many factors influence the breeding capacity of rams, including age, breed, nutrition, management, and environment. As a general guideline, ram lambs are capable of breeding 15 to 25 ewes during their first breeding season. Ram lambs should be observed closely to monitor their breeding behavior and libido to ensure they are servicing and settling ewes. The use of a marking harness, rotating colors every 17 days, is an excellent management tool for this purpose. The breeding season should be kept to a maximum of 60 days for young rams. This will prevent over-use, severe weight loss and reduced libido. Severe weight loss may impair future growth and development of the young ram, and reduce his lifetime usefulness. When practical, supplementing ram lambs with grain during the breeding season will reduce excessive weight loss. Rams used together in multiple-sire breeding pastures should be of similar age and size. Ram lambs cannot compete with mature rams in the same breeding pasture. A sound management practice is to rotate rams among different breeding pastures every 17 days. This practice decreases the breeding pressure on a single ram.

### **Preparing the Ewe Flock for the Breeding Season**

Some advance planning and simple management practices will assist in having a successful breeding season. Vaccination of the ewe flock for *Campylobacter* (vibrio) and *Chlamydia* are important for abortion disease control. For ewe lambs and ewes not previously vaccinated, these products typically require an initial injection prior to the breeding season followed by a second vaccination during gestation. In subsequent years, a single booster vaccination is required. Follow product label directions when administering any vaccine. A month prior to the breeding season is also an opportune time to trim and inspect feet on the ewe flock, and perform preventative foot care. This is also a good time to make final culling decisions, and sell poor producing and thin ewes.

Flushing is the practice of increasing energy intake, and therefore body condition, during the 10-14 days prior to breeding. This practice has been shown to be effective in increasing ovulation rates, and thereby increasing lambing percentage by 10-20%. The response to flushing is affected by several factors, including the body condition of the ewe. Ewes that are in poor body condition will respond most favorably to the increase in energy, whereas fat ewes will show little if any response. Flushing can be accomplished by moving ewes to high quality pastures, or through providing .75 to 1.25 lb. corn or barley per head per day from 2 weeks pre-breeding through 4 weeks into the breeding season. Provide a high-selenium, sheep mineral free choice.

Like rams, ewes are also prone to heat stress during early breeding seasons. Prolonged exposure to high temperatures can have an effect on ewe fertility and embryo survival. To help reduce these embryo losses and resulting decrease in lamb crop, minimize handling during the heat of the day and allow the flock access to a cool, shaded area.

### **Ram Management After the Breeding Season**

Young rams require a relatively high plane of nutrition following the breeding season to replenish body condition and meet demands for continued growth. Body condition and projected mature size of the ram will determine his nutrient requirements during the months following the breeding season. Rams should be kept away from ewes in an isolated facility or pasture after the breeding season. In the winter months, provide cover from extreme weather that may cause frostbite to the scrotum resulting in decreased fertility.

All stud rams should receive breeding soundness exams (BSE) to assure fertility on an annual basis. Assess the ram battery in early summer, so that new rams can be acquired in a timely fashion for the next breeding season.

# 46<sup>th</sup> VIRGINIA PERFORMANCE TESTED RAM LAMB SALE & REPLACEMENT EWE LAMB SALE

**Saturday, August 28, 2021**

Virginia Sheep Evaluation Station  
Virginia Tech Shenandoah Valley Agricultural Research and Extension Center  
2763 Raphine Road  
Raphine, VA 24472

Sale Day Phone: (540) 230-2680  
Prior to Sale Day Call: (540) 231-9159

## Schedule

10:30 a.m. – Sheep Field Day

## Topics

Feeding Economics  
Grazing Management  
Sheep Health  
Marketing

Lunch available on site, provided by Virginia Junior Sheep Breeders Assoc.

1:00 p.m. – Performance Tested Ram Sale followed by Ewe Lamb Sale

**Location:** The Virginia Sheep Evaluation Station is located on the Virginia Tech Shenandoah Valley Agricultural Research and Extension Center. Directions: ½ mile East of Interstate 81 at exit 205 (approximately 20 miles south of Staunton, VA).

## Terms and Conditions

- Sponsor:** Virginia Sheep Producers Association  
Department of Animal and Poultry Sciences, Virginia Tech  
Blacksburg, VA 24061 Phone: (540) 231-9159
- Auctioneer:** Dalton Bennett, Red House, VA (434) 664-7946
- Guarantee:** All rams are being sold as guaranteed breeders if properly managed. If a ram fails to perform satisfactorily, notification must be made to the consignor promptly and not later than April 1, 2022. Consignors are not liable for failure to have a lamb crop. This guarantee is between the buyer and seller only, and no other parties assume any liability, legal or otherwise, expressed or implied.
- Terms:** Cash (check). Absentee bids may be left with the contacts listed above.
- Risk:** All animals at purchaser's risk as soon as sold.
- Health:** Proper health certificates for transport will be furnished to the buyer upon request.
- Registration:** Registration papers will be transferred to purchaser at no charge.

## About the Rams and the Data

### Nutrition and Management

Seventy four rams (8 Fall Dorset, 13 Winter Dorset, 3 Fall Suffolk, 28 Winter Suffolk, 1 Winter Crossbred, 3 Winter North Country Cheviot, 11 Fall White Dorper, 1 Winter White Dorper, 6 Winter Katahdin), were delivered to the Virginia Sheep Evaluation Station on May 3, 2021. The rams were weighed, vaccinated for clostridial diseases, dewormed, had feet trimmed and soaked, and scrotal measurements taken. Rams were allocated to four pens based on breed and age. After a two-week adjustment period, the rams started on test. A pelleted ration containing approximately 75% TDN and 14% CP was fed ad libitum for the entire 63-day test. Rams also had access to pasture during the entire feeding period. The FAMACHA system was used during the course of the test for parasite control (none of the rams were dewormed during test period). Rams of all breeds are guaranteed to be free of the spider gene (normal, NN genotype). At the conclusion of the test rams were evaluated for structural soundness and overall type by a committee. Unsound and unsuitable rams have been eliminated from the sale. Additionally, all rams selling have passed a breeding soundness examination conducted by veterinarians from the VA-MD Regional College of Veterinary Medicine. The breeding soundness exam includes measurement of scrotal circumference, examination of the reproductive tract, and semen evaluation. Since the conclusion of the test (July 20), rams have been limit fed the pelleted ration and had access to pasture.

### Performance Data

- %: All rams are registered/recorded with their respective breed association. For breeds with open flock books or appendix registries, breed percentage (%) is indicated. PB = purebred, 75% = three-quarter-blood, 50% = half-blood, etc.
- Birth Type: S = single, TW = twin, TR = triplet, QD = quadruplet
- Codon 171: Genotype associated with genetic resistance to scrapie. Presence of at least one *R* is associated with scrapie resistance.
- Final Wt.: Ram weight at the conclusion of the 63-day test.
- Test ADG: Average daily gain in pounds per day for the entire 63-day test.
- Final WDA: Weight-Per-Day-of-Age at the conclusion of the test. Calculated by dividing final weight by days of age. Indicative of the ram's growth since birth, and includes growth prior to arriving at the test station (weaning growth) as well as gain on test.
- Scrotal Cir.: Actual scrotal circumference in cm measured during breeding soundness exam.
- Adj. FT: Ultrasound fat thickness measurement (in.) taken between the 12<sup>th</sup> and 13<sup>th</sup> ribs. Adjusted to a constant live weight of 125 pounds.
- Adj. LMA: Ultrasound loin muscle area measurement (square in.) taken between the 12<sup>th</sup> and 13<sup>th</sup> ribs. Adjusted to a constant live weight of 125 pounds.
- Trait Ratios: Expresses performance data for an individual ram as a percentage of the average performance for all rams in his test group. A ratio of 100 is average, 110 would be 10% above average, and 90 is 10% below average. Ratios may only be compared on rams that are in the same breed and test group (ratios are not relevant across all rams in the test).
- Test Group Averages: Averages for all rams that concluded the test of same breed and age. Includes both sale rams and those not selling.

### Sale Order

Rams will sell by breed test group. Within breed test group, sale order is determined by an index which combines ADG, WDA, and LMA. ***Please note the attached list of rams is tentative pending results of the final breeding soundness exam.*** Final sale order and updates will be posted to the website, and available sale day.

**2021 Virginia Ram Lamb Performance Test Sale**

**August 28, 2021 1:00 PM**

**Sale Day Phone (540) 230-2680**

Test ID	Flock ID	%	Sire	Birth Date	Birth Type	Codon 171 Genotype	Final Wt.	Test ADG	ADG Ratio	Final WDA	WDA Ratio	Scrotal Cir.	125 lb Adj. FT	Adj. FT Ratio	125 lb. Adj. LMA	Adj. LMA Ratio
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**FALL DORSET**

Virginia Tech; Scott Greiner & Emily Williams; Dept of Animal & Poultry Sciences; Blacksburg, VA 24061; 540-231-9159

<b>1</b>	B012	PB	VA Tech P026	10/23/2020	S	QR	193	0.54	107	0.71	105	33.5	0.18	91	2.84	89
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Diamond "R" Farms; Anthony S. Rasnick; 1498 Mundytown Road; N. Tazewell, VA 24630; 276-979-1907

<b>3</b>	894	PB	Dorset and Day Lillies 715F	9/20/2020	Tw	RR	222	0.60	120	0.73	107	38.5	0.15	79	3.30	103
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<b>4</b>	960	PB	Dorset and Day Lillies 715F	9/27/2020	Tw	RR	210	0.63	126	0.71	104	33.0	0.23	117	2.94	92
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Stewart Springs; Chris Stewart; 17931 Senedo Rd., Edinburg, VA 22824; 540-325-7147

<b>6</b>	0209	PB	VA Tech Z052	10/18/2020	Tw	RR	169	0.79	157	0.61	90	32.5	0.13	70	2.94	92
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DMC Dorsets; Mike Callison; 1218 Denmar Road; Hillsboro, WV 24946; 304-651-6135

<b>8</b>	G0363	PB	DMC Dorsets Gooramma 0525	10/20/2020	S	RR	180	0.40	79	0.66	97	31.5	0.21	109	3.69	115
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<b>8 Fall Dorsets Tested Avg.</b>							191	0.50	100	0.68	100	33.1	0.19	100	3.20	100
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**WINTER DORSET**

Virginia Tech; Scott Greiner & Emily Williams; Dept of Animal & Poultry Sciences; Blacksburg, VA 24061; 540-231-9159

<b>14</b>	B046	PB	VA Tech Z041	1/25/2021	TW	RR	136	0.63	83	0.77	94	33.0	0.26	156	3.57	127
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<b>15</b>	B053	PB	VA Tech Z041	2/3/2021	S	QR	136	0.95	125	0.81	99	31.5	0.14	86	2.80	100
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<b>16</b>	B077	PB	VA Tech Z041	2/9/2021	TW	RR	142	0.81	106	0.88	108	32.0	0.12	69	2.63	94
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<b>17</b>	B082	PB	VA Tech Z010	2/10/2021	TW	RR	139	0.71	94	0.87	106	34.5	0.13	78	3.08	110
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Diamond "R" Farms; Anthony S. Rasnick; 1498 Mundytown Road; N. Tazewell, VA 24630; 276-979-1907

<b>18</b>	925	PB	Dorset and Day Lillies 715F	1/26/2021	Tw	RR	150	0.83	108	0.86	105	32.5	0.20	117	2.98	106
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Stewart Springs; Chris Stewart; 17931 Senedo Rd., Edinburg, VA 22824; 540-325-7147

<b>20</b>	0239	PB	VA Tech Z052	1/26/2021	Tw	RR	144	0.78	102	0.82	101	34.0	0.14	84	2.53	90
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<b>21</b>	0212	PB	VA Tech Z052	1/19/2021	Tw	QR	157	0.97	127	0.86	105	31.5	0.14	82	2.59	93
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<b>22</b>	0213	PB	VA Tech Z052	1/19/2021	Tw	QR	143	0.75	98	0.79	96	31.5	0.18	108	2.26	81
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<b>24</b>	0221	PB	VA Tech Z052	1/27/2021	Tw	QR	151	0.92	121	0.87	106	28.0	0.18	107	3.09	110
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Meadowview Dorsets; Scott Neil; 281 Mansion House Rd., McDowell, VA 24458; 540-396-3538

<b>25</b>	H301	PB	Meadowview Dorsets D12	1/6/2021	Tw	QR	172	0.86	112	0.88	108	34.0	0.17	103	3.18	113
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<b>13 Winter Dorsets Tested Avg.</b>							144	0.76	100.0	0.82	100	32.0	0.17	100	2.80	100
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**2021 Virginia Ram Lamb Performance Test Sale**

**August 28, 2021 1:00 PM**

**Sale Day Phone (540) 230-2680**

Test ID	Flock ID	%	Sire	Birth Date	Birth Type	Codon 171 Genotype	Final Wt.	Test ADG	ADG Ratio	Final WDA	WDA Ratio	Scrotal Cir.	125 lb Adj. FT	Adj. FT Ratio	125 lb. Adj. LMA	Adj. LMA Ratio
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**FALL SUFFOLK**

Diamond "R" Farms; Anthony S. Rasnick; 1498 Mundytown Road; N. Tazewell, VA 24630; 276-979-1907

<b>203</b>	919	PB	Diamond "R" Farms 752	11/13/2020	Tw	RR	184	0.84	121	0.74	94	33.0	0.15	96	3.35	115
<b>204</b>	918	PB	Diamond "R" Farms 752	11/28/2020	Tw	RR	216	0.84	121	0.92	118	35.0	0.18	113	2.79	96

3 Fall Suffolks Tested Avg.							191	0.69	100	0.78	100	33.2	0.16	100	2.91	102
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**WINTER SUFFOLK**

Season's Bounty Farm; Radell & Sarah Schrock; 2373 Harpine Highway; Harrisonburg, VA 22802; 540-908-5399

<b>206</b>	1009	88%	Timberline Kimm 19033	1/9/2021	Tw	RR	208	0.76	93	1.08	117	33.0	0.19	102	3.90	126
<b>207</b>	1022	88%	Timberline Kimm 19033	1/11/2021	S	RR	204	0.97	118	1.07	116	34.0	0.13	68	3.14	102
<b>208</b>	1050	88%	Tahoe Schrock/Zook 4076	1/16/2021	S	RR	201	0.86	105	1.09	117	30.5	0.35	189	3.34	108
<b>209</b>	1076	88%	Timberline Kimm 19033	1/25/2021	S	RR	178	0.78	95	1.01	109	32.5	0.12	66	3.25	105
<b>210</b>	1077	75%	Hickory Kimm 16035	1/25/2021	S	RR	194	0.75	91	1.10	119	31.5	0.21	115	3.55	115
<b>211</b>	1092	PB	Upside Season's Bounty 9036	1/28/2021	Tw	RR	162	0.65	79	0.94	101	31.0	0.28	153	3.36	109

Virginia Tech; Scott Greiner & Emily Williams; Dept of Animal & Poultry Sciences; Blacksburg, VA 24061; 540-231-9159

<b>214</b>	B211	PB	VA Tech W332	2/2/2021	TW	QR	182	1.08	132	1.08	117	31.5	0.18	96	2.87	93
<b>215</b>	B228	PB	Seasons Bounty 0030	2/6/2021	S	RR	155	0.83	101	0.95	102	34.0	0.22	119	3.13	102
<b>216</b>	B230	PB	Kimm 16061	2/9/2021	TW	QR	145	0.94	114	0.90	97	32.5	0.16	87	2.83	92
<b>217</b>	B231	PB	Seasons Bounty 0030	2/11/2021	TW	RR	145	0.97	118	0.91	98	31.0	0.18	97	3.00	97

Diamond S Ranch; Tammy Bishop-Sparks; 1502 Fairground Road; Tazewell, VA 24651; 276-979-7953

<b>219</b>	0036	PB	Diamond R Farms 752	2/20/2021	Tw	RR	118	0.78	95	0.79	85	28.0	0.18	100	3.43	111
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Diamond "R" Farms; Anthony S. Rasnick; 1498 Mundytown Road; N. Tazewell, VA 24630; 276-979-1907

<b>221</b>	950	PB	MSU 431	2/7/2021	Tw	RR	159	0.92	112	0.98	105	33.0	0.25	137	2.94	95
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Stewart Springs; Chris Stewart; 17931 Senedo Rd., Edinburg, VA 22824; 540-325-7147

<b>223</b>	0223	PB	Diamond R Farms 865	1/27/2021	Tw	RR	146	0.94	114	0.84	90	31.5	0.19	102	2.70	88
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Suffangus Farm, LLC; Carroll, Mac, Karen & Isaac Swartzel, Mike & Rachel Ashby; 399 Indian Ridge Road; Greenville, VA 24440; 540-280-6974, 540-292-9353

<b>224</b>	7379	PB	Suffangus 7388-17	1/17/2021	Tw	RR	179	0.89	108	0.97	105	35.0	0.15	80	3.00	97
<b>225</b>	7377	PB	Suffangus 7393-17	1/17/2021	Tw	RR	164	0.81	99	0.89	96	31.0	0.19	105	3.20	104
<b>228</b>	7375	PB	Suffangus 7393-17	1/21/2021	Tw	RR	153	0.79	97	0.85	92	30.0	0.19	101	3.10	101
<b>229</b>	7374	PB	Suffangus 7388-17	1/23/2021	Tw	RR	158	0.87	107	0.89	96	30.0	0.15	82	2.99	97
<b>230</b>	7372	PB	Suffangus 7393-17	1/26/2021	Tr	QR	157	0.76	93	0.90	97	36.0	0.15	82	2.93	95
<b>232</b>	7368	PB	Suffangus 7393-17	1/27/2021	Tw	RR	138	0.70	85	0.79	85	30.0	0.17	91	3.39	110
<b>233</b>	7363	PB	Suffangus 7388-17	1/30/2021	Tw	RR	180	0.90	110	1.05	113	31.0	0.16	84	2.91	94
<b>235</b>	7361	PB	Suffangus 7388-17	1/30/2021	S	RR	174	0.81	99	1.02	110	33.5	0.17	90	3.23	105

27 Winter Suffolks Tested Avg.							160	0.82	100	0.93	100	30.2	0.19	100	3.09	100
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2021 Virginia Ram Lamb Performance Test Sale

August 28, 2021 1:00 PM

Sale Day Phone (540) 230-2680

Test ID	Flock ID	%	Sire	Birth Date	Birth Type	Codon 171 Genotype	Final Wt.	Test ADG	ADG Ratio	Final WDA	WDA Ratio	Scrotal Cir.	125 lb Adj. FT	Adj. FT Ratio	125 lb. Adj. LMA	Adj. LMA Ratio
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**WINTER CROSSBRED**

High Road Sheep; Martin & Julie MacQueen; 101 Pioneer Road; Covington, VA 24426; 540-965-2199

301	0896	1/2 Suffolk x 1/2 NC Cheviot	Meadowview Farms C109	1/8/2021	Tw	QR	177	0.94	100	0.92	100	36.5	0.15	100	2.88	100
1 Winter Crossbred Avg.							177	0.94	100	0.92	100	36.5	0.15	100	2.88	100

**WINTER NORTH COUNTRY CHEVIOT**

Berkley Farm; Matthew & Noah Barkley; 2 Allegheny Mtn. View Trl.; Arbovale, WV 24915; 304-642-6161

401	2004	PB	NB NCC 1807	2/4/2021	S	QR	106	0.33	64	0.64	101	27.5	0.25	116	2.46	104
402	0897	PB	Meadowview Farms C109	1/26/2021	Tw	RR	107	0.60	115	0.61	97	28.0	0.22	102	2.34	99
403	0898	<del>-----scratch-----</del>														
3 Winter North Country Cheviot Tested Avg.							107	0.52	100	0.63	100	26.7	0.21	100	2.36	100

**2021 Virginia Ram Lamb Performance Test Sale**

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**FALL WHITE DORPER**

Double Scott Farm; John Scott, Jr.; 2826 Gardner Road; Princeton, WV 24740; 304-320-3748

<b>603</b>	1892	PB	Land of Legend 0528	10/27/2020	Tw	RR	172	0.41	70	0.65	109	33.0	0.14	83	2.92	105
<b>604</b>	1893	PB	JM White Dorpers 0086	11/2/2020	S	RR	161	0.52	89	0.62	104	32.5	0.20	120	3.03	109

Rock Solid Ranch/Kuecker White Dorpers; Abi & Jackson Houser, Bill Kuecker; 205 Patton Rd.; Pikeville, TN 37367; 931-267-1802

<b>605</b>	0260		----- <i>scratch</i> -----													
<b>606</b>	0250	PB	Rock Solid Ranch 0174	12/8/2020	Tw	QQ	136	0.67	114	0.61	102	34.5	0.15	89	2.69	97
<b>607</b>	0256	PB	L and K Sheep Co. 2009	12/14/2020	Tw	QR	143	0.75	127	0.66	111	32.0	0.17	101	2.92	105
<b>608</b>	0246	PB	Rock Solid Ranch 0174	12/1/2020	S	QR	145	0.60	103	0.63	106	29.0	0.18	108	3.12	112
<b>609</b>	0252	PB	Rock Solid Ranch 0174	10/9/2020	Tw	QR	168	0.63	108	0.59	100	33.0	0.19	115	2.74	99

Tennessee Tech Univ.; Amanda Houser; PO Box 5034; Cookeville, TN 38505; 931-267-1802

<b>610</b>	2078	PB	HSS 4269	12/21/2020	Tw	QQ	114	0.75	127	0.54	91	31.5	0.16	94	2.68	97
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<b>11 Fall White Dorpers Tested Avg.</b>							145	0.59	100	0.59	100	31.6	0.16	100	2.78	100
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**WINTER WHITE DORPER**

Double Scott Farm; John Scott, Jr.; 2826 Gardner Road; Princeton, WV 24740; 304-320-3748

<b>615</b>	1879	PB	Land of Legend 0528	1/25/2021	Tw	QR	132	0.79	100	0.75	100	30.5	0.18	100	2.71	100
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<b>1 Winter White Dorpers Tested Avg.</b>							132	0.79	100	0.75	100	30.5	0.18	100	2.71	100
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**WINTER KATAHDIN**

Silver Maple Katahdins; Jay & Irma Greenstone; 3533 Kurt Russell Rd., Jonesville, VA 24263; 276-346-7235

<b>702</b>	1084	PB	JAG 634	1/19/2021	Tr	RR	137	0.84	110	0.75	97	32.0	0.18	118	2.24	100
<b>703</b>	1089	PB	JAG 634	1/24/2021	Tw	RR	140	0.81	106	0.79	102	33.0	0.14	93	2.67	119
<b>704</b>	1092	PB	JAG 634	1/28/2021	Tw	RR	141	0.86	112	0.82	105	32.0	0.13	86		
<b>706</b>	1111	PB	JAG 634	2/6/2021	Tw	RR	133	0.81	106	0.81	104	30.0	0.16	102	2.09	93

<b>6 Winter Katahdins Tested Avg.</b>							137	0.76	100	0.78	100	31.3	0.15	100	2.24	100
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<b>73 Total Rams Tested Avg.</b>							155	0.72	100	0.80	100	31.2	0.18	100	2.91	100
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**2021 Virginia Ram Test  
NSIP EBVs**

Test ID	Flock ID	Across-Flock EBVs (as of 8/15/21)							
		WWT Weaning Weight, kg	PWWT Post-weaning Weight, kg	MWWT Maternal Milk, kg	NLW Maternal Lambs Weaned, %	PFAT Fat Depth, mm	PEMD Loin Muscle Depth, mm	Carcass Plus	PFEC Fecal Egg Count, %
<b>FALL DORSET</b>									
Virginia Tech; Scott Greiner & Emily Williams; Dept of Animal & Poultry Sciences; Blacksburg, VA 24061; 540-231-9159									
1	B012	+1.7	+3.7	-0.1	-4.8	-1.1	-0.3	+118	-7
DMC Dorsets; Mike Callison; 1218 Denmar Road; Hillsboro, WV 24946; 304-651-6135									
8	G0363	-0.1	+0.1					+101	
<b>WINTER DORSET</b>									
Virginia Tech; Scott Greiner & Emily Williams; Dept of Animal & Poultry Sciences; Blacksburg, VA 24061; 540-231-9159									
14	B046	+1.0	+2.7	+0.3	-1.4	-1.9	+2.7	+150	-6
15	B053	+2.8	+6.4	+0.1	-2.3	-2.0	+1.9	+159	-25
16	B077	+3.1	+7.5	+0.4	+0.6	-3.6	+0.9	+159	-10
17	B082	+2.6	+5.6	+0.1	-2.1	-4.2	+1.2	+156	+26
<b>U.S. Dorset Breed Avg.</b>		<b>+1.5</b>	<b>+3.2</b>			<b>-1.0</b>	<b>+0.0</b>	<b>+119</b>	
<b>WINTER SUFFOLK</b>									
Virginia Tech; Scott Greiner & Emily Williams; Dept of Animal & Poultry Sciences; Blacksburg, VA 24061; 540-231-9159									
214	B211	+1.8	+3.4	+0.4	+3.8	-1.1	+0.8	+130	+28
215	B228	+1.5	+3.0			-0.0	+1.1	+126	-28
216	B230	+0.7	+1.5	+0.1	+5.6	+0.1	+1.2	+120	-16
217	B231	+1.8	+3.4		+2.1	-0.4	+1.0	+129	-23
<b>U.S. Suffolk Breed Avg.</b>		<b>+3.0</b>	<b>+5.6</b>			<b>-1.9</b>	<b>+0.4</b>	<b>+137</b>	

**About EBVs and the National Sheep Improvement Program (NSIP)**

Several flocks are enrolled in the sheep industry's genetic improvement program, NSIP (National Sheep Improvement Program). Listed above are breeding values from 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).

**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.

**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)

**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.

**Carcass Plus Index 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.

**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.

**Breed Averages:** Current breed average EBV for each trait for each breed. In other words, the average genetic merit for each trait for all animals currently enrolled in NSIP in that breed.

## 2021 Ewe Lamb Sale

Ewe lambs sell immediately following rams

Lot Number	Flock Tag	Birth Date	Birth Type	Codon 171	Ewe Breed	Sire
<b>Consignor: Mountain View Farm, David Shumaker; Sweet Springs, WV; 304-536-4412</b>						
1	21117	3/6/21	TW		Hamp cross	"Felony" (Hild Brothers)
<b>Consignor: Diamond R Farms, Scott Rasnick; North Tazewell, VA; 276-385-0853</b>						
2A	930	2/27/21	TW		Registered Dorset	Dorsets & Daylillies 7155
2B	941	1/25/21	S	RR	Registered Suffolk	MSU 4137
<b>Consignor: Kenbar Farm, Rick Kennedy; Tazewell, VA; 276-971-3002</b>						
3A	0035	3/18/21	TW		1/2 N. Country Chev. X 1/2 Suffolk	Highland Trooper
3B	0036	3/20/21	TW		1/2 N. Country Chev. X 1/2 Suffolk	Highland Trooper
3C	0037	3/20/21	S		1/2 N. Country Chev. X 1/2 Suffolk	Highland Trooper
<b>Consignor: J-Mar Farms, Jason &amp; Mary Beth Geesaman; Cullen, VA; 434-610-7257</b>						
4A	530	1/17/21	TW		Suffolk	"Dalton" (Bennett Suffolks)
4B	531	1/18/21	S		Suffolk	"Dalton" (Bennett Suffolks)
<b>Consignor: Greiner Sisters; Scott, Lori, Kaylee and Leah Greiner; Christiansburg, VA; 540-230-2680</b>						
5A	2115	1/18/21	TW	QR+	1/2 Dorset x 1/2 Hamp	"Goose Bump" Meyer Show Lambs 7098
5B	2117	1/19/21	TW	QR+	Registered Dorset	"Goose Bump" Meyer Show Lambs 7098
<b>Consignor: High Road Sheep; Martin &amp; Julie Macqueen; Covington, VA; 540-965-2199</b>						
6A	001	1/18/21	TW		1/2 N. Country Chev. X 1/2 Suffolk	Meadowview Farms C109
6B	003	1/10/21	S		1/2 N. Country Chev. X 1/2 Suffolk	Meadowview Farms C109
<b>Consignor: Meadowview Dorsets, Scott Neil; McDowell, VA; 540-396-3538</b>						
7A	H09	1/15/21	TW		1/2 Dorset x 1/2 Suffolk	Meadowview Farms D12
7B	H10	1/15/21	TW		1/2 Dorset x 1/2 Suffolk	Meadowview Farms D12
7C	H35	1/24/21	TW		1/2 Dorset x 1/2 Suffolk	Meadowview Farms D12
<b>Consignor: Kenbar Farm, Rick Kennedy; Tazewell, VA; 276-971-3002</b>						
8A	0038	3/12/21	TW		1/2 N. Country Chev. X 1/2 Suffolk	Highland Trooper
8B	0039	3/15/21	TR		1/2 N. Country Chev. X 1/2 Suffolk	Highland Trooper
<b>Consignor: Mountain View Farm, David Shumaker; Sweet Springs, WV; 304-536-4412</b>						
9A	2203	2/21/21	TW		Dorset	DMC G517 AI (Gooramma 723-2015)
9B	3001	2/25/21	TW		Dorset	DMC G517 AI (Gooramma 723-2015)
<b>Consignor: Diamond R Farms, Scott Rasnick; North Tazewell, VA; 276-385-0853</b>						
10A	947	2/24/21	TW	QR+	Suffolk x Hamp	MSU 4137
10B	954	2/27/21	TR	QR+	Suffolk x Hamp	MSU 4137
<b>Consignor: J-Mar Farms, Jason &amp; Mary Beth Geesaman; Cullen, VA; 434-610-7257</b>						
11A	533	1/18/21	TW		Suffolk	"Dalton" (Bennett Suffolks)
11B	565	1/29/21	TW		Suffolk	"Dalton" (Bennett Suffolks)
<b>Consignor: Kenbar Farm, Rick Kennedy; Tazewell, VA; 276-971-3002</b>						
12A	0040	3/27/21	TW		1/2 N. Country Chev. X 1/2 Suffolk	Highland Trooper
12B	0041	3/18/21	TR		1/2 N. Country Chev. X 1/2 Suffolk	Highland Trooper
12C	0042	3/18/21	TW		1/2 N. Country Chev. X 1/2 Suffolk	Highland Trooper