

updated 8/21/19

# Sheep Field Day, 44<sup>th</sup> Annual Virginia Performance Tested Ram Lamb Sale and Replacement Ewe Lamb Sale

Saturday, August 24, 2019

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 info, including sale videos available at:  
Virginia Sheep Producers Assoc. website

[www.vasheepproducers.com](http://www.vasheepproducers.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.

**SHEEP FIELD DAY**  
**44<sup>th</sup> VIRGINIA PERFORMANCE TESTED RAM LAMB SALE**  
**& REPLACEMENT EWE LAMB SALE**

**Saturday, August 24, 2019**

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**

Flock Management  
Sheep Health  
Forages

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, 2020. 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 six rams (11 Fall Dorset, 9 Winter Dorset, 3 Fall Suffolk, 29 Winter Suffolk, 8 Fall White Dorper, 3 Winter White Dorper, 6 Fall Katahdin, 4 Winter Katahdin, 3 Winter Texel), were delivered to the Virginia Sheep Evaluation Station on April 29, 2019. 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 16), 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 on July 16.
- 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.
- Test Group Averages for all rams that concluded the test of same breed and age. Includes both sale Averages: 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.*** Sale order will be available sale day.

**2019 Virginia Ram Lamb Performance Test Sale**

**August 24, 2019 1:00 PM**

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

Test ID	Flock ID	%	Sire	Birth Date	Birth Type	Codon 171 Genotype	Pen	Final Wt.	Test ADG	ADG Ratio	Final WDA	WDA Ratio	Scrotal Cir.	125 lb Adj. FT	125 lb. Adj. LMA
<b>FALL DORSET</b>															
Virginia Tech; Scott Greiner; Dept of Animal & Poultry Sciences; Blacksburg, VA 24061; 540-231-9159															
1	Z021	PB	VA Tech P026	11/15/2018	TW	RR	4	172	0.75	121	0.71	104	30.0	0.24	2.98
2	Z022	PB	VA Tech P026	11/15/2018	S	RR	4	181	0.44	71	0.74	110	32.0	0.27	2.98
3	Z026	PB	VA Tech P026	11/18/2018	TW	RR	4	195	0.65	104	0.81	120	36.0	0.15	2.69
4	Z032	PB	Heisdorffer 1263	11/29/2018	TW	QR	4	183	0.68	109	0.80	118	36.0	0.18	3.40
Diamond "R" Farms; Anthony S. Rasnick; 1498 Mundytown Road; N. Tazewell, VA 24630; 276-979-1907															
5	832	PB	Karstens 870	10/16/2018	TW	RR	4	182	0.56	90	0.66	98	35.0	0.14	3.11
DMC Dorsets; Mike Callison; 1218 Denmar Road; Hillsboro, WV 24946; 304-651-6135															
7	G443	PB	VA Tech P101	10/15/2018	S	QR	4	164	0.69	111	0.60	88	31.0	0.20	2.94
8	G440	PB	VA Tech P101	9/20/2018	TW	RR	4	183	0.73	117	0.61	91	36.0	0.12	3.15
Chris Stewart; 17931 Senedo Rd., Edinburg, VA 22824; 540-325-7147															
9	137	PB	Raptor Gap Farm 1776	10/18/2018	S	QQ	4	174	0.78	124	0.64	95	34.5	0.17	3.69
Brasfield Club Lambs & Dorsets; John & Laurie Brasfield; 201 Goff Road; King, NC 27021; 336-983-4423															
10	B18-44	PB	Myers 9061	10/25/2018	TW	QR	4	181	0.80	128	0.68	101	34.0	0.23	3.38
11 Fall Dorsets Tested Avg.								174	0.62	100	0.68	100	33.6	0.18	3.11
<b>WINTER DORSET</b>															
Diamond "R" Farms; Anthony S. Rasnick; 1498 Mundytown Road; N. Tazewell, VA 24630; 276-979-1907															
13	834	PB	Karstens 870	1/22/2019	TW	QR	3	130	0.64	86	0.74	94	33.5	0.11	2.49
Virginia Tech; Scott Greiner; Dept of Animal & Poultry Sciences; Blacksburg, VA 24061; 540-231-9159															
15	Z042	PB	VA Tech P026	1/22/2019	S	RR	3	133	0.60	81	0.76	97	33.0	0.15	2.46
16	Z045		-----scratch-----												
17	Z065	PB	Heisdorffer 1263	2/5/2019	TW	QR	3	145	1.02	136	0.90	115	32.0	0.18	2.78
Brasfield Club Lambs & Dorsets; John & Laurie Brasfield; 201 Goff Road; King, NC 27021; 336-983-4423															
19	B19-7	PB	Greiner Sisters 1626	1/15/2019	TW	RR	3	116	0.68	91	0.64	81	28.0	0.16	2.88
Meadowview Dorsets; Scott Neil; 281 Mansion House Rd., McDowell, VA 24458; 540-396-3538															
21	F08	PB	Meadowview Dorsets D12	1/12/2019	S	QR	3	166	0.79	105	0.89	114	30.0	0.13	3.00
9 Winter Dorsets Tested Avg.								133	0.75	100	0.78	100	30.0	0.15	2.76

**2019 Virginia Ram Lamb Performance Test Sale**

**August 24, 2019 1:00 PM**

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

Test ID	Flock ID	%	Sire	Birth Date	Birth Type	Codon 171 Genotype	Pen	Final Wt.	Test ADG	ADG Ratio	Final WDA	WDA Ratio	Scrotal Cir.	125 lb Adj. FT	125 lb. Adj. LMA
<b>FALL SUFFOLK</b>															
Suffangus Farm, LLC; The Swartzel's and Ashby's; 399 Indian Ridge Road; Greenville, VA 24440; 540-280-6974/540-292-9353															
203	6365	PB	Suffangus 7393-17	9/30/2018	S	RR	4	219	0.63	85	0.76	94	37.0	0.26	3.67
204	6353	PB	Suffangus 7388-17	10/2/2018	TW	RR	4	245	0.85	115	0.85	106	38.0	0.13	3.66
2 Fall Suffolks Tested Avg.								232	0.74	100	0.80	100	37.5	0.20	3.67
<b>WINTER SUFFOLK</b>															
Virginia Tech; Scott Greiner; Dept of Animal & Poultry Sciences; Blacksburg, VA 24061; 540-231-9159															
205	Z206	PB	Kim 16061	1/31/2019	TW	RR	2	146	0.85	96	0.88	102	30.5	0.14	2.91
206	Z214	PB	MGR 8336	2/2/2019	TW	RR	2	154	0.96	108	0.94	109	35.5	0.15	3.66
207	Z241		-----scratch-----												
208	Z254	PB	MGR 8336	2/12/2019	S	RR	2	129	0.82	92	0.83	97	31.0	0.15	2.99
High Road Sheep; Martin & Julie MacQueen; 101 Pioneer Road; Covington, VA 24426; 540-965-2199															
210	002	PB	VA Tech W332	1/29/2019	S	QR	2	166	0.93	104	0.99	114	33.0	0.15	2.74
211	003		-----scratch-----												
212	098	PB	VA Tech W332	1/23/2019	S	QQ	2	153	1.00	113	0.88	102	35.0	0.11	3.03
Sponaugle Suffolks & Club Lambs; John H. Sponaugle; 8888 Leroy Road; Grottoes, VA 24441; 540-421-3468															
213	457A	50%	Sponaugle 14-6238A	1/2/2019	TW	RR	2	191	0.96	108	0.98	113	32.5	0.17	3.69
215	687A	50%	Sponaugle 14-6238A	1/4/2019	TW	RR	2	180	0.86	96	0.93	108	33.0	0.22	3.32
216	045B	50%	Sponaugle 14-6238A	1/28/2019	TW	RR	2	154	0.83	94	0.91	105	36.5	0.17	3.39
217	649		-----scratch-----												
Suffangus Farm, LLC; The Swartzel's and Ashby's; 399 Indian Ridge Road; Greenville, VA 24440; 540-280-6974/540-292-9353															
218	6347	PB	Suffangus 7388-17	1/5/2019	TW	RR	2	151	0.75	85	0.78	91	30.5	0.12	3.52
220	6344	PB	Suffangus 7393-17	1/7/2019	TW	QR	2	161	0.75	84	0.85	98	32.5	0.17	3.51
221	6340	PB	Suffangus 7388-17	1/8/2019	TW	RR	2	183	0.95	107	0.97	112	34.0	0.14	3.32
222	6339	PB	Suffangus 7388-17	1/8/2019	TW	RR	2	171	0.96	108	0.90	105	35.0	0.16	2.92
223	6332		-----scratch-----												
224	6330	PB	Suffangus 7393-17	1/10/2019	TW	RR	2	179	0.91	103	0.95	111	36.5	0.17	2.73
225	6324		-----scratch-----												
Season's Bounty Farm; Radell & Sarah Schrock; 2373 Harpine Highway, Apt. A; Harrisonburg, VA 22802; 540-908-5399															
226	9065	75%	"Arlo" VA Tech W210	1/14/2019	TW	RR	2	139	0.87	97	0.76	88	33.0	0.20	3.10
227	9069	75%	"Hickory" Kimm 16035	1/17/2019	TW	RR	2	156	1.10	124	0.86	100	29.5	0.16	2.83
229	9080	PB	"Arlo" VA Tech W210	1/19/2019	TW	RR	2	139	0.90	102	0.78	91	32.5	0.13	2.89
230	9088	PB	"Arlo" VA Tech W210	1/21/2019	TW	RR	2	126	0.81	91	0.72	83	31.5	0.13	2.70
232	9100		-----scratch-----												
233	9141	PB	"Cobalt" Seasons Bounty 8051	1/27/2019	TW	QR	2	140	0.98	110	0.82	95	31.5	0.12	2.99
Chris Stewart; 17931 Senedo Rd., Edinburg, VA 22824; 540-325-7147															
234	144	PB	A&J 15-539	2/19/2019	TW	RR	2	125	0.83	94	0.85	98	31.0	0.14	2.76
28 Winter Suffolks Tested Avg.								151	0.89	100	0.86	100	32.1	0.15	3.03

**2019 Virginia Ram Lamb Performance Test Sale**

**August 24, 2019 1:00 PM**

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

Test ID	Flock ID	%	Sire	Birth Date	Birth Type	Codon 171 Genotype	Pen	Final Wt.	Test ADG	ADG Ratio	Final WDA	WDA Ratio	Scrotal Cir.	125 lb Adj. FT	125 lb. Adj. LMA
<b>FALL WHITE DORPER</b>															
Double Scott Farm; John Scott, Jr.; 2826 Gardner Road; Princeton, WV 24740; 304-320-3748															
601	1860	PB	Scott Mountain 1810	11/18/2018	TW	RR	1	156	0.56	103	0.65	113	30.5		
603	1854	PB	Land O Legend 0528	10/12/2018	TW	RR	1	160	0.41	75	0.58	101	28.5		
604	1859	PB	Land O Legend 0528	11/22/2018	S	RR	1	161	0.64	117	0.68	119	35.5	0.20	2.56
Tennessee Tech Shipley Farm; Amanda Houser; PO Box 5034, Cookeville, TN 38505; 931-267-1802															
606	8085	PB	HSS 4269	11/30/2018	S	QR	1	139	0.60	109	0.61	106	33.0	0.16	2.58
Rock Solid Ranch; Bill Kuecker & Abigail Houser; 205 Patton Road; Pikeville, TN 37367; 931-267-1802; 615-633-8179															
608	40995	PB	Lewis White Dorpers 160196	10/4/2018	S	QR	1	163	0.83	151	0.57	100	35.5	0.23	2.58
8 Fall White Dorpers Tested Avg.								148	0.55	100	0.57	100	31.6	0.17	2.48
<b>WINTER WHITE DORPER</b>															
Rock Solid Ranch; Bill Kuecker & Abigail Houser; 205 Patton Road; Pikeville, TN 37367; 931-267-1802; 615-633-8179															
609	0105	PB	Rock Solid Ranch 78	12/27/2018	TW	RR	1	119	0.81	105	0.59	93	30.0	0.15	2.77
610	0155	PB	Rock Solid Ranch 78	12/27/2018	TW	QR	1	138	0.74	96	0.68	108	31.0	0.15	2.42
3 Winter White Dorpers Tested Avg.								121	0.77	100	0.63	100	28.2	0.16	2.47
<b>FALL KATAHDIN</b>															
Poplar View Farm, LLC; David R. Wise, President; 606 Allen Rosen Road; Dillwyn, VA 23936; 434-983-8780															
701	21	88%	LP 1703 SG	12/15/2018	TW	RR	1	159	0.33	79	0.75	106	33.0	0.14	2.26
703	6/9	75%	LP 1703 SG	12/3/2018	TW	RR	1	151	0.48	115	0.67	95	31.0	0.17	2.21
705	2	75%	LP 1703 SG	12/1/2018	TW	RR	1	157	0.44	104	0.69	98	34.0	0.18	2.62
706	1	75%	LP 1703 SG	11/30/2018	S	QR	1	164	0.48	115	0.72	102	35.0	0.16	2.43
6 Fall Katahdins Tested Avg.								157	0.42	100	0.70	100	33.5	0.18	2.33
<b>WINTER KATAHDIN</b>															
Silver Maple Katahdins; Jay & Irma Greenstone; 3533 Kurt Russell Rd., Jonesville, VA 24281; 276-346-7235															
710	973	PB	JAG 634	2/21/2019	TW	RR	1	114	0.73	107	0.79	100	31.0		
712	977	PB	HCK 6093	2/25/2019	TW	RR	1	108	0.60	88	0.77	98	30.0		
713	969	PB	JAG 634	2/17/2019	TW	RR	1	126	0.83	121	0.85	108	34.0		
4 Winter Katahdins Tested Avg.								113	0.68	100	0.78	100	31.5		
<b>WINTER TEXEL</b>															
West Virginia University; Dr. Scott Bowdridge; 1194 Evansdale Dr., 2213 Ag Sci Bldg., Morgantown, WV 26506; 304-293-2003															
904	9016	PB	Elmscleugh Assassin	1/27/2019	TW	RR	3	123	0.57	122	0.72	106	31.5	0.14	2.74
2 Winter Texels Tested Avg.								107	0.47	100	0.68	100	28.5	0.15	2.67
73 Total Rams Tested Avg.								150	0.72	100	0.76	100	32.0	0.16	2.88

**2019 Virginia Ram Test  
NSIP EBVs**

Test ID	Flock ID	Across-Flock EBVs							
		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; Dept of Animal & Poultry Sciences; Blacksburg, VA 24061; 540-231-9159									
1	Z021	+0.8	+1.5	+0.4	-2.1	-0.2	-0.7	+100	+22
2	Z022	+2.1	+4.9	-0.1	-3.5	-0.9	-1.0	+114	+13
3	Z026	+3.5	+8.1	+0.0	-5.5	-1.5	-2.3	+117	+4
4	Z032	+2.1	+4.5	-0.4	-2.4	-1.9	+0.3	+131	+10
<b>WINTER DORSET</b>									
Virginia Tech; Scott Greiner; Dept of Animal & Poultry Sciences; Blacksburg, VA 24061; 540-231-9159									
15	Z042	+1.4	+3.6	+0.2	-2.0	-1.9	-0.8	+115	+34
16	Z045	<i>scratch</i>							
17	Z065	+2.8	+4.9	-0.2	-3.1	-1.3	-0.4	+125	-31
<b>U.S. Dorset Breed Avg.</b>		<b>+1.5</b>	<b>+3.4</b>	<b>+0.0</b>	<b>-3.3</b>	<b>+0.0</b>	<b>+0.0</b>	<b>+120</b>	
<b>FALL SUFFOLK</b>									
Suffangus Farm, LLC; Swortzel's & Ashby's; 399 Indian Ridge Road; Greenville, VA 24440; 540-280-6974; 540-292-9353									
203	6365	+0.3	+2.6	+0.3	+2.6	+0.4	+0.1	+110	
204	6353	+2.7	+5.4	+0.4	+3.5	-2.8	+0.4	+141	
<b>WINTER SUFFOLK</b>									
Virginia Tech; Scott Greiner; Dept of Animal & Poultry Sciences; Blacksburg, VA 24061; 540-231-9159									
205	Z206	+0.8	+1.5	+0.5	+2.7	-0.3	+1.5	+125	-17
206	Z214	-0.7	-0.9		-3.2	-0.9	+3.0	+133	-9
207	Z241	<i>scratch</i>							
208	Z254	+0.9	+0.7		-0.6	-1.5	+2.3	+137	-24
Suffangus Farm, LLC; Swortzel's & Ashby's; 399 Indian Ridge Road; Greenville, VA 24440; 540-280-6974; 540-292-9353									
218	6347	+1.5	+3.8			-3.9	+2.0	+156	
220	6344	+0.4	+2.7	+0.4	+2.6	+0.5	+0.2	+111	
221	6340	+2.5	+5.2		-0.9	-2.4	+0.3	+137	
222	6339	+2.7	+5.7		-0.9	-1.2	-1.0	+119	
223	6332	<i>scratch</i>							
224	6330	+0.8	+3.6	+0.0	+3.2	+0.2	+0.1	+115	
225	6324	<i>scratch</i>							
<b>U.S. Suffolk Breed Avg.</b>		<b>+1.3</b>	<b>+2.6</b>			<b>-0.9</b>	<b>+0.1</b>	<b>+120</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.



## 2019 Ewe Lamb Sale

Ewe lambs sell immediately following rams

Lot Number	Flock Tag	Birth Date	Birth Type	Codon 171	Ewe Breed	Sire
<b>Consignor: Sponaugle Suffolks &amp; Club Lambs; John H. Sponaugle; Grottoes, VA; 540-421-3468</b>						
1A	457B	1/2/19	TW	RR	1/2 Hamp x 1/2 Suffolk	Sponaugle 14-6238A
1B	687B	1/4/19	TW	RR	1/2 Hamp x 1/2 Suffolk	Sponaugle 14-6238A
<b>Consignor: Poplar View Farm LLC; David R. Wise; Dillwyn, VA; 434-983-8780</b>						
2A	502	12/20/18	TW	RR	50% Kathadin (registered)	LP 1703 SG
2B	505	12/5/18	TW	QR	50% Kathadin (registered)	LP 1703 SG
2C	519	12/20/18	TW	RR	50% Kathadin (registered)	LP 1703 SG
<b>Consignor: Deer Creek Farm; Mark &amp; Dana Campbell; Roseland, VA; 434-277-9104</b>						
3A	0059	2/8/19	TW		Registered Dorset	VA Tech T061
3B	0064	2/8/19	TW		Registered Dorset	VA Tech T061
<b>Consignor: Redifer Livestock, Tracey Redifer, Blacksburg, VA; 540-392-2677</b>						
4	6479	2/5/19	S		Hamp cross	RL SYA
<b>Consignor: Stewart Springs; Chris &amp; Abby Stewart; Edinburg, VA; 540-325-7147</b>						
5A	134	10/10/18	TW		Suffolk	A&J 15-539
5B	135	10/10/18	TW		Suffolk	A&J 15-539
<b>Consignor: Greiner Sisters; Scott, Lori, Kaylee and Leah Greiner; Christiansburg, VA; 540-230-2680</b>						
6	1905	1/26/19	TW		1/2 Hampshire x 1/2 Dorset	"Quantum" Whitaker 2180
<b>Consignor: Diamond "R" Farms; Anthony S. Rasnick; N. Tazewell, VA; 276-979-1907</b>						
7A	845	1/12/19	TW		1/2 Suffolk x 1/2 Dorset	Diamond R Farms 742
7B	846	1/8/19	TW		1/2 Suffolk x 1/2 Dorset	Diamond R Farms 742
7C	847	2/10/19	TW		1/2 Suffolk x 1/2 Dorset	Diamond R Farms 742
<b>Consignor: Mountain View Farm; David and Zackery Schumaker; Sweet Springs, WV; 304-520-7353</b>						
8A	2063	3/3/19	TW		1/2 Dorset x 1/2 Hamp	VA Tech T034
8B	2064	3/4/19	TW		1/2 Dorset x 1/2 Hamp	VA Tech T034
8C	2069	3/2/19	S		1/2 Dorset x 1/2 Hamp	VA Tech T034
<b>Consignor: Poplar View Farm LLC; David R. Wise; Dillwyn, VA; 434-983-8780</b>						
9A	513	12/15/18	TW	RR	50% Kathadin (registered)	LP 1703 SG
9B	514	1/2/19	TW	QR	50% Kathadin (registered)	LP 1703 SG
<b>Consignor: Sponaugle Suffolks &amp; Club Lambs; John H. Sponaugle; Grottoes, VA; 540-421-3468</b>						
10A	312B	1/4/19	TW	QR+	1/2 Hamp x 1/2 Suffolk	Sponaugle 14-6238A
10B	420B	1/6/19	TW	QR+	1/2 Hamp x 1/4 Suff x 1/4 Dorset	Sponaugle 14-6238A
<b>Consignor: Deer Creek Farm; Mark &amp; Dana Campbell; Roseland, VA; 434-277-9104</b>						
11	0056	1/29/19	S		3/4 Dorset x 1/4 Suffolk	VA Tech T061
<b>Consignor: Stewart Springs; Chris &amp; Abby Stewart; Edinburg, VA; 540-325-7147</b>						
12	162	3/9/19	TW		Dorset	Hunter 63221