

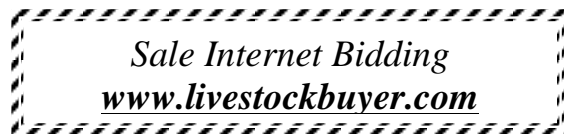


21st Annual VIRGINIA TECH SHEEP CENTER PRODUCTION SALE

**Our 2020 Annual Sale will be held exclusively online at www.Livestockbuyer.com (no live, in-person sale on campus in 2020). 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 on Saturday, September 5, 2020
(sale will be open for bidding starting September 2)

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

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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 12-13th 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 additional information available on the web at

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

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Lot No.	Flock ID	Sire	Dam	Dam's Sire	Birth Date	Birth Type	Codon 171	Across-Flock EBVs (updated 8/15/20)								
								BWT Birth Weight, kg	WWT Weaning Weight, kg	PWWT Post-weaning Weight, kg	PFAT Fat Depth, mm	PEMD Loin Muscle Depth, mm	PFEC Fecal Egg Count, %	NLW Maternal Lambs Weaned, %	MWWT Maternal Milk, kg	Carcass+ Carcass Plus
DORSET RAMS																
1	A104	Maple Hollow 15125	X030	VA Tech P026	10/20/2019	TW	QQ	+0.2	+3.1	+8.0	-2.9	-0.0	+4	-0.2	+0.8	+147
2	A112	Maple Hollow 15125	T016	Heisdorffer 1263	10/23/2019	TW	QR	-0.1	+1.6	+4.5	-2.1	+1.2	-6	-2.4	+0.2	+141
3	A115	Heisdorffer 6017	T032	Huntrods 5887	10/23/2019	S	RR	+0.1	+0.0	-1.3	-0.8	+1.1	-37	-0.3		+111
4	A128	Maple Hollow 15125	X003	Huntrods 5887	10/25/2019	TW	QR	+0.2	+3.6	+8.7	-4.9	+1.8	-18	-1.3	+0.4	+179
5	A131	Heisdorffer 6017	W037	VA Tech P026	10/26/2019	S	RR	+0.3	+1.0	+1.6	-1.8	+0.3	-2	-1.4		+119
6	A166	VA Tech P026	X043	Maple Hollow 15125	1/20/2020	S	QR	+0.3	+3.1	+7.6	-3.2	-0.4	+28	-2.8	+0.9	+142
7	A168	VA Tech Z010	V031	VA Tech S036	1/22/2020	S	QR	-0.3	+0.3	+2.0	-0.9	+1.0	+66	-1.7	-0.4	+123
8	A178	VA Tech Z041	W048	VA Tech P026	1/28/2020	S	QR	+0.3	+3.1	+7.0	-3.6	+0.6	-18	-2.4	+0.2	+154
9	A185	VA Tech Z041	P108	Huntrods 5887	2/3/2020	TW	RR	+0.1	+1.9	+4.6	-2.9	+1.2	+13	-0.6	+0.6	+146
10	A188	VA Tech Z041	W054	Huntrods 5887	2/4/2020	TW	RR	+0.1	+2.8	+7.2	-2.8	+0.3	-20	+0.9	+0.4	+147
11	A192	VA Tech P026	X050	Maple Hollow 15125	2/7/2020	S	QR	+0.3	+1.9	+4.1	-3.0	+0.5	+15	-4.0	+0.7	+137
12	A196	VA Tech Z041	X077	Huntrods 5887	2/9/2020	S	RR	+0.3	+3.7	+8.8	-3.8	+0.1	-10	+0.5	+0.1	+156
U.S Dorset Breed Avg.								+0.1	+1.5	+3.2	-1.7	+0.2				+119
SUFFOLK RAMS																
13	A205	Kimm 16061	V233	MGR 3007	2/5/2020	TW	RR	-0.7	-0.4	-0.2	+0.2	+3.2	-4	+4.7	-0.2	+134
14	A207	MGR 3007	X268	MSU 3173	2/6/2020	TR	RR	-0.3	+1.2	+2.4	-1.4	+2.7	+16	+4.5	+0.1	+148
15	A208	Kimm 16061	V203	VA Tech N221	2/6/2020	S	RR	-0.3	+0.6	+0.9	+0.2	+1.4	-2	+2.2	+0.2	+120
16	A217	MGR 3007	X215	Kimm 16061	2/11/2020	TW	RR	-0.7	+0.5	+1.9	-0.1	+2.7	+2	+3.9	-0.2	+139
17	A220	Kimm 16061	V208	MGR 3007	2/12/2020	TR	RR	-0.5	-0.2	-0.9	+0.9	+2.1	-32	+2.6	+0.2	+117
18	A221	Kimm 16061	V208	MGR 3007	2/12/2020	TR	RR	-0.4	+0.6	+0.5	+1.6	+1.1	-32	+2.6	+0.2	+109
19	A236	Kimm 16061	T263	MGR 3007	2/17/2020	TW	RR	-0.8	-0.1	+0.9	+1.2	+1.9	-37	+1.0	-0.4	+119
20	A241	MGR 3007	S275	MGR 9094	2/17/2020	TW	RR	-0.4	+1.3	+2.6	-0.2	+2.3	-13	+3.6	-0.0	+139
21	A260	MGR 8336	V238	Suffangus 328	2/24/2020	TR	RR	-0.3	-0.1	-0.9	-0.0	+2.0	-9	+1.2	-0.6	+120
U.S Suffolk Breed Avg.								+0.2	+1.9	+3.6	-1.6	+0.5				+129

*visit NSIP Searchable Database for most current EBV data <http://nsip.org/searchable-database/>

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								BWT Birth Weight, kg	WWT Weaning Weight, kg	PWWT Post-weaning Weight, kg	PFAT Fat Depth, mm	PEMD Loin Muscle Depth, mm	PFEC Fecal Egg Count, %	NLW Maternal Lambs Weaned, %	MWWT Maternal Milk, kg	Carcass+ Carcass Plus
DORSET EWE LAMBS																
22	A130	Heisdorffer 6017	R043	Shiflett 15	10/26/2019	S	RR	+0.5	+2.0	+2.5	-0.6	-1.1	+5	+3.6	+0.2	+104
23	A135	Heisdorffer 6017	P034	Huntrods 5887	10/27/2019	TW	QR	+0.5	-0.3	-2.3	-1.0	-0.1	-20	+1.5	-0.1	+94
24	A145	VA Tech P026	R055	Huntrods 5887	11/8/2019	TW	QR	+0.1	+0.2	+1.5	-2.5	+0.9	+25	-0.2	-0.1	+126
25	A148	Maple Hollow 15125	S062	Huntrods 5887	11/9/2019	S	QR	+0.4	+2.8	+7.2	-3.8	-0.2	-11	-2.6	+0.6	+145
26	A152	VA Tech X018	X021	VA Tech P026	11/10/2019	TW	RR	+0.4	+2.1	+4.1	-2.2	-0.1	+14	+2.7	+0.1	+128
27	A002	VA Tech Z010	W056	Huntrods 5887	2/25/2020	S	RR	+0.2	+1.5	+3.8	-2.8	+0.5	+3	+1.3	+0.2	+134
28	A165	VA Tech Z010	Z046	Maple Hollow 15125	1/18/2020	S	QR	+0.1	+1.9	+5.1	-2.8	+0.6	+13	-2.3	+0.5	+141
29	A169	VA Tech P026	T052	Heisdorffer 3083	1/23/2020	TR	RR	+0.4	+1.1	+2.8	-2.1	-0.9	+12	-2.8	-0.6	+111
30	A180	VA Tech Z010	Z030	Heisdorffer 1263	1/30/2020	S	RR	-0.2	+0.6	+1.6	-1.1	+1.3	+1	-2.3	-0.4	+127
31	A186	VA Tech Z010	P091	Huntrods 5887	2/4/2020	TW	QR	+0.4	+2.3	+4.9	-3.7	+0.7	-4	+2.4	+0.4	+146
32	A190	VA Tech Z041	Z024	VA Tech P026	2/4/2020	S	RR	+0.2	+2.8	+7.1	-3.4	+0.7	-10	-1.0		+153
U.S Dorset Breed Avg.								+0.1	+1.5	+3.2	-1.7	+0.2				+119
SUFFOLK EWE LAMBS																
33	A215	MGR 3007	S242	Kimm 13073	2/11/2020	S	QR	-0.7	-0.8	-1.4	+1.0	+2.6	+3	-0.6	-0.6	+119
34	A224	MGR 8336	S228	Suffangus 328	2/13/2020	S	QR	-0.0	+0.5	+0.7	-0.8	+1.3	-14	+4.3	-0.4	+121
35	A229	MGR 8336	V307	MGR 3007	2/14/2020	TW	QR	-0.0	+0.4	+0.8	-1.7	+1.9	-14	+0.1	+0.4	+132
36	A243	MGR 8336	S311	VA Tech N221	2/17/2020	TW	RR	+0.1	+0.8	-0.3	+0.2	+0.9	-8	-3.9	+0.3	+110
37	A245	MGR 8336	T264	Kimm 13073	2/19/2020	TW	RR	+0.0	+0.7	+0.6	-0.3	+0.8	+0	-0.5	-0.4	+114
38	A252	MGR 3007	R302	MacCauley 2407	2/20/2020	TW	RR	-0.3	+0.9	+1.6	-0.0	+1.8	+18	+3.7	+0.2	+129
39	A254	MGR 3007	T275	VA Tech S277	2/20/2020	TW	RR	-0.3	+0.6	+0.6	+0.2	+1.9	-10	+5.5	+0.4	+124
40	A264	MGR 3007	Z238	MGR 8336	2/29/2020	TW	RR	-0.3	+0.4	+0.6	-0.9	+2.4	-9	+2.9	+0.1	+134
U.S Suffolk Breed Avg.								+0.2	+1.9	+3.6	-1.6	+0.5				+129

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