



VirginiaTech

College of Agriculture
and Life Sciences

17th Annual VIRGINIA TECH SHEEP CENTER PRODUCTION SALE

Saturday, September 3, 2016 10:00 a.m.
Virginia Tech Alphin-Stuart Livestock Arena
500 Plantation Road
Blacksburg, Virginia



Sale-day Internet Bidding Available at
www.cowbuyer.com

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

Additional details available on VT Sheep Center web site available at
www.apsc.vt.edu/facilities/sheep/index.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 Suffolk flock has been selected for sheep that excel in the traits that have made the breed popular- growth and carcass composition. In addition to these fundamental traits, moderate mature size, maternal performance, longevity, structural correctness and eye appeal, genetic resistance to scrapie, and spider-free genotype are also important in our balanced-trait approach. The Dorsets are maintained as primarily a fall-lambing flock, with emphasis on maternal ability, growth, 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. 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: 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: Provides indication of post-weaning growth potential, and reflects differences in progeny weight at 120 days of age (expressed in kg).

Maternal Milk EBV: 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: 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)

Loin Muscle Depth EBV: 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.

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

Fecal Egg Count EBV: 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.

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: We can hold 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 as well.

Absentee Bidding: We would be happy to work with you in the event you cannot make the sale, please contact us. Internet bidding will be available through www.CowBuyer.com

Detailed information on sires, photos of sale sheep, and additional information available on the web at <http://www.apsc.vt.edu/facilities/sheep/index.html>

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Flock ID	Sire	Dam	Dam's Sire	Codon 171	Birth Date	Birth Type	Weaning Weight, kg	Post-weaning Weight, kg	Maternal Milk, kg	Across-Flock EBVs		Fat Depth, mm	Loin Muscle Depth, mm	Carcass Plus	Fecal Egg Count, %
										Maternal Lambs Weaned, %					
<u>SUFFOLK FALL & WINTER RAM LAMBS</u>															
V209	VA Tech N221	K9270	KRM Suffolks 5211	RR	11/8/15	TW	+2.8	+3.0	-0.0	+1.9		-0.0	+0.5	+123	-10
V215	MGR 3007	N224	MGR 8018	RR	2/4/16	TW	+1.0	+1.8	-0.3	+2.0		+0.0	+2.0	+132	-16
V216	VA Tech N221	S242	Kimm 13073	QR	2/5/16	S	-0.0	-1.4	-0.6	+0.5		+1.6	+1.6	+107	-9
V217	Suffangus 328	R293	MGR 9094	RR	2/6/16	TW	+0.5	+1.1		+0.6		+0.2	+1.9	+126	+2
V247	MGR 3007	R217	MacCauley 2407	RR	2/12/16	S	+0.2	+1.9	+0.0	-4.3		+0.9	+1.8	+124	+7
V255	VA Tech S277	S323	MacCauley 2407	QR	2/14/16	TW	+1.6	+2.3	+0.7	-2.3		+0.4	+0.6	+117	+25
V256	VA Tech N221	S275	MGR 9094	RR	2/14/16	TW	+1.3	+0.9	-0.3	+5.8		+1.6	+1.5	+116	-44
V257	VA Tech N221	S275	MGR 9094	RR	2/14/16	TW	+1.1	+0.6	-0.3	+5.8		+1.3	+2.0	+123	-44
V262	MGR 3007	K9254	KRM Suffolks 5211	QR	2/16/16	TR	+1.1	+1.7	+0.2	+0.3		+0.7	+1.6	+124	-10
V265	MGR 3007	P213	VA Tech N221	QR	2/16/16	S	+2.1	+3.4	+0.2	+0.6		-0.6	+1.7	+139	+2
V267	MGR 3007	M209	KRM Suffolks 5211	RR	2/16/16	TW	+2.6	+5.8	+0.8	-2.7		-0.8	+1.0	+141	+8
V271	Suffangus 328	R242	MacCauley 2407	RR	2/16/16	TW	+0.4	+0.5				+0.5	+1.3	+115	+2
V278	MGR 3007	S252	MacCauley 2407	RR	2/17/16	TR	+1.2	+2.4	+0.6	+1.1		-0.6	+2.4	+141	+7
V282	MGR 3007	R209	VA Tech N221	RR	2/18/16	TW	+0.6	+0.7	+0.0	+1.4		+0.5	+2.9	+135	-7
V284	MGR 3007	R273	MacCauley 2407	RR	2/18/16	S	+2.5	+4.5	+0.7	-3.3		-0.4	+0.7	+131	+7
V291	VA Tech S277	M208	MSU 8164	QR	2/20/16	TW	+2.6	+4.2	-0.8	+3.3		-1.0	-0.7	+117	-9
V301	Suffangus 328	R348	VA Tech N221	QR	2/21/16	TW	+1.9	+3.7	-1.0	+2.6		-0.1	+0.4	+122	-6
<u>DORSET FALL & WINTER RAM LAMBS</u>															
V014	VA Tech S036	R027	Huntrods 5887	QR	10/22/15	TW	+0.1	+0.9	+0.3	+3.8		-2.0	+1.2	+125	+13
V020	VA Tech S036	S024	Heisdorffer 1263	QQ	10/23/15	S	+2.3	+6.1		+0.3		-3.0	+1.2	+153	+17
V027	VA Tech S036	P107	Huntrods 5887	QR	10/30/15	S	-0.0	+0.9	+0.1	+2.5		-2.3	+2.0	+135	+23
V034	Huntrods 5887	K073	Hunter 63286	QQ	11/8/15	S	+3.5	+7.6	-0.1	+1.5		-4.0	-0.2	+148	+4
V041	Huntrods 5887	M009	VA Tech B2028	RR	11/9/15	TR	+1.4	+2.1	+0.9	+3.7		-2.9	+1.1	+135	-0
V049	Huntrods 5887	S040	Heisdorffer 1263	QR	11/11/15	S	+1.6	+3.5	-0.3	+2.6		-2.7	+0.5	+133	-0
V050	Huntrods 5887	M113	VA Tech G029	QR	11/14/15	S	+0.5	+1.2	-0.1	-1.0		-2.1	+0.4	+119	-2
V052	VA Tech S036	R085	Shiflett 15	QR	1/22/16	TW	+1.2	+2.7		+0.4		-1.3	+0.8	+127	+18
V061	Heisdorffer 3083	K038	K Bar K 066053	QR	1/25/16	TW	-1.0	-1.2	-0.3	-0.9		+0.1	+1.1	+105	+1
V075	VA Tech S036	T027	Heisdorffer 1263	QR	1/30/16	S	+2.3	+4.8		-1.2		-2.5	+0.9	+142	+19
V078	Heisdorffer 1263	T017	Huntrods 5887	QR	2/1/16	S	+1.7	+3.7	-0.6	-1.3		-1.4	+0.5	+129	-5
V095	Heisdorffer 1263	R055	Huntrods 5887	RR	2/10/16	S	+2.5	+4.6	-0.7	+0.5		-2.0	+0.2	+132	-3

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										Maternal Lambs Weaned, %					
SUFFOLK EWE LAMBS (sell open)															
V237	Suffangus 328	P322	MSU 8164		2/10/16	TW	+2.2	+5.0	-0.7	+0.5		-1.3	+0.5	+134	+6
V240	Suffangus 328	S327	MacCauley 2407		2/11/16	TW	+1.7	+2.7				-0.5	+0.2	+118	+6
V245	Suffangus 328	S224	Kimm 10131		2/12/16	S	-0.2	+1.0		+2.5		+0.8	+0.4	+104	+21
V249	Suffangus 328	K9213	KRM Suffolks 5211		2/12/16	TW	+1.2	+1.8	+0.2	-3.2		+0.0	+0.8	+118	+13
V259	MGR 3007	S286	Suffangus 328		2/15/16	TW	+1.5	+3.9	-0.5	+0.5		+0.7	+0.1	+115	-13
V274	Suffangus 328	K9221	KRM Suffolks 5211		2/17/16	TR	-0.1	-0.5	+0.0	-4.4		+1.2	+0.8	+102	+18
V276	VA Tech N221	S329	MacCauley 2407		2/17/16	S	+0.7	-0.5	+0.3	+3.2		+2.0	+1.0	+103	-13
V283	MGR 3007	R209	VA Tech N221		2/18/16	TW	+0.6	+0.5	+0.0	+1.4		+0.2	+3.3	+140	-20
V287	VA Tech S277	P255	Kimm 10131		2/18/16	TW	+0.7	+0.2	+0.7	+3.0		-0.2	+1.2	+117	-2
V288	VA Tech S277	P255	Kimm 10131		2/18/16	TW	+0.9	+1.8	+0.7	+3.0		-0.0	+0.8	+118	-1
V289	MGR 3007	N247	MGR 8018		2/19/16	TR	-0.2	-0.1	-0.5	+1.8		+1.0	+1.6	+114	+0
V293	VA Tech S277	P340	MSU 8164		2/20/16	TW	+2.7	+4.1	-0.3	+3.3		-0.5	-0.2	+120	-12
V313	MGR 3007	P276	Kimm 10131		3/8/16	TW	-0.3	+0.7	+0.2	+0.4		+0.4	+2.0	+123	-3
V329	MGR 3007	N218	Kimm 10131		3/22/16	S	+2.1	+5.0	-0.1	+1.3		-1.5	+0.9	+139	+29
V333	VA Tech S277	T253	MGR 3007		3/31/16	S	+2.7	+4.1		-0.9		-0.3	-0.5	+116	+9
DORSET EWE LAMBS (sell open)															
V059	Huntrods 5887	T009	Heisdorffer 3083		1/25/16	TW	+0.0	+1.1	-0.3	+2.1		-2.4	+1.0	+126	-18
V062	Heisdorffer 3083	S041	Huntrods 5887		1/25/16	TW	+0.2	+0.7		+2.4		-0.8	-0.0	+105	-6
V070	VA Tech S036	T007	Heisdorffer 3083		1/28/16	S	+0.2	+1.0		+2.3		-2.1	+1.5	+130	+18
V082	Heisdorffer 1263	R074	Huntrods 5887		2/3/16	TW	+2.5	+6.0	-0.7	+1.3		-1.7	+0.1	+135	-24
V083	Heisdorffer 1263	R074	Huntrods 5887		2/3/16	TW	+3.7	+8.0	-0.7	+1.3		-2.6	-1.0	+136	+17
V085	Heisdorffer 1263	P108	Huntrods 5887		2/4/16	TW	+0.9	+1.1	-0.3	+0.4		-0.2	+0.6	+114	-9
V094	VA Tech S036	T018	Huntrods 5887		2/9/16	S	+1.1	+3.3	-0.1	+2.3		-1.8	+1.0	+133	+13
V096	VA Tech S036	T059	Heisdorffer 1263		2/11/16	S	+1.7	+4.3		-1.0		-2.2	+0.5	+133	+31
V097	Heisdorffer 1263	R051	K Bar K 099154		2/13/16	TW	+2.8	+5.2	+0.0	-1.9		-0.7	-0.6	+120	-6
V099	VA Tech S036	T014	Heisdorffer 1263		2/14/16	S	+2.5	+5.4		-1.4		-2.1	-0.1	+132	+68
V101	Heisdorffer 3083	S048	K Bar K 099154		2/22/16	TW	+1.1	+1.3		-0.9		-1.0	-0.3	+108	-4