



# VirginiaTech

College of Agriculture  
and Life Sciences

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## 10<sup>th</sup> Annual VIRGINIA TECH SHEEP CENTER PRODUCTION SALE

Saturday, September 5, 2009 10:00 a.m.  
Virginia Tech Alphin-Stuart Livestock Arena  
Blacksburg, Virginia

Sale Day Phone: (540) 230-2680  
Prior to Sale Call: (540) 231-9163

Additional details available on VT Sheep Center web site available at  
[www.apsc.vt.edu](http://www.apsc.vt.edu)

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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.

**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 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.

**NSIP Across Flock EPDs-** Both flocks are enrolled in the National Sheep Improvement Program, which provides Expected Progeny Differences (EPD). EPDs provide estimates of the genetic value of an animal as a parent. Specifically, differences in EPDs between two individuals of the same breed 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 EPD, including performance data (weights, lambing records) 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). EPDs are calculated for the following traits:

**60-day Weaning Wt. EPD:** EPD predicts genetic merit for weaning growth potential (measured in pounds). An animal with a +2.0 WW EPD would be expected to produce progeny that average 2 pounds heavier at 60 days of age when compared to a animal with a +0.0 WW EPD (the difference in their EPDs is 2.0 pounds).

**120-day Wt. EPD:** Provides indication of post-weaning growth potential, and reflects differences in progeny weight at 120 days of age (expressed in pounds).

**Maternal Milk EPD:** Estimate of genetic merit for maternal ability, primarily due to differences in ewe milk production as realized in her lambs. Milk EPDs reflect the milking ability of an animal's daughters, as measured by additional pounds of lamb weaned. An animal with a +0.5 Milk EPD would be expected to produce daughters which wean lambs which are 1 pound heavier compared to an animal with a Milk EPD of -0.5.

**Maternal Milk + Growth EPD:** EPD combines information on 60-day weaning weight and maternal milk EPDs to provide a total estimate of the genetic merit of an animal's daughters for weaning weight. It recognizes the genetic contribution of a ewe to the weaning weight of her lambs and combines the effects of her milk production and growth potential. EPD is expressed in pounds of lamb weaned by an animal's daughters.

**Maternal % Lamb Crop EPD:** EPD indicates genetic potential for prolificacy, and is expressed as number of lambs born per 100 ewes lambing (or %). Comparing animal which have % Lamb Crop EPDs of +10.0 vs. +5.0, the animal with +10.0 % Lamb Crop EPD would be expected to produce daughters which give birth to 5% more lambs.

**Loin Muscle Area EPD:** EPD reflects genetic merit for loin muscle area at constant live weight. Larger EPDs indicate more muscularity.

**Fat Thickness EPD:** EPD predicts genetic merit for fat thickness at 12-13<sup>th</sup> rib at constant live weight.

### Sale Information

**Sale Guarantees:** All rams and ewes sell as guaranteed breeders if properly managed. Breeding soundness exams conducted on rams prior to sale. Mature ewes sell as exposed, but cannot be guaranteed pregnant due to short breeding season. 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. Mature ewes purchased through the sale can remain with rams until October at no charge.

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

Detailed information on sires, photos of sale sheep, and additional information available on the web at [http://www.apsc.vt.edu/centers/sheepcenter/index\\_sheep.htm](http://www.apsc.vt.edu/centers/sheepcenter/index_sheep.htm)

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Flock ID	Sire	Dam	Dam's Sire	Codon 171	Birth Date	Birth Type	Ultrasound		60-day Weaning Wt.			120-day Weight		NSIP Across Flock EPDs			Fat Thick.	Loin Muscle
							125 lb Adj. FT	125 lb. Adj. REA	125 lb. REA	120-day Weight	Maternal Milk	Maternal Milk + Growth	% Lamb Crop	Maternal Milk	Maternal Milk + Growth	% Lamb Crop		
<b>SUFFOLK RAM LAMBS</b>																		
K204	Kimm 03005-07057	05-194A	Slack 3011-33	RR	2/4/09	S	0.12	2.80	-1.0	+0.0	+0.0	-1.6	+0.0	-0.5	+1.9			
K214	KRM Suffolks 5211	H7281	Kimm 02239-05081	RR	2/9/09	S	0.12	2.73	+1.3	+0.3	+0.3	+2.0	+0.3	+0.9	-2.4			
K215	Kimm 03005-07057	G6255	D Howard 4035-04	QR	2/9/09	TW	0.17	2.58	-1.4	-0.1	-0.1	-2.6	-0.1	-0.7	+2.3			
K226	Kimm 03005-07057	E5264	D Howard 4035-04	RR	2/10/09	TR	0.13	2.80	-0.7	+0.1	+0.1	-1.6	+0.1	-0.2	+10.6			
K230	KRM Suffolks 5211	E5276	D Howard 4035-04	RR	2/10/09	TW	0.13	2.94	+1.5	+0.4	+0.4	+1.8	+0.4	+1.1	-0.9			
K232	KRM Suffolks 5211	G6293	D Howard 4035-04	QR	2/10/09	TW	0.16	2.70	+1.2	+0.2	+0.2	+1.4	+0.2	+0.8	-4.7			
K234	Kimm 03005-07057	05-309A	Slack 3011-33	QR	2/11/09	TR	0.12	2.45	-1.9	+0.0	+0.0	-3.9	+0.0	-1.0	+6.6			
K253	Kimm 02239-05081	G6260	KRM Suffolks 5211	QR	2/15/09	TW	0.15	2.48	+0.6	+0.8	+0.8	+1.4	-0.1	+0.2	+4.5			
K255	KRM Suffolks 5211	G6214	Kimm 02239-05081	RR	2/15/09	TW	0.16	2.60	+0.8	+0.0	+0.0	+1.4	+0.0	+0.5	-2.4			
K256	Kimm 02239-05081	H7286	KRM Suffolks 5211	RR	2/15/09	TR	0.19	2.46	+1.9	+0.0	+0.0	+3.2	+0.0	+0.9	+2.2			
K260	KRM Suffolks 5211	G6203	D Howard 4035-04	RR	2/22/09	S	0.17	2.63	-0.1	-0.1	-0.1	+0.3	-0.1	-0.2	+3.7			
K267	Kimm 02239-05081	H7266	KRM Suffolks 5211	RR	2/23/09	TW	0.14	2.73	+0.7	+0.2	+0.2	+0.6	+0.2	+0.5	+2.2			
K269	KRM Suffolks 5211	H7203	Kimm 02239-05081	RR	3/9/09	TW	0.16	2.69	+0.2	+0.2	+0.2	+0.7	+0.2	+0.3	+6.7			
K282	VA Tech J8312	J8229	Kimm 03005-07057	RR														
<b>DORSET RAM LAMBS</b>																		
K001	VA Tech G014	E059	VA Tech Z0008		9/9/08	S	0.19	3.83	+0.9	+0.9	+0.5	+2.2	+0.5	+0.8	+2.0			
K007	K Bar K 066053	G039	VA Tech B2028		9/11/08	TW	0.20	3.17	+0.1	+0.1	-0.1	+0.7	-0.1	-0.3	+0.7			
K011	K Bar K 066053	B2022	Riverwood 1920		9/13/08	TW	0.15	3.64	+0.2	+0.1	+0.1	+0.7	+0.1	+0.1	+1.1			
K013	K Bar K 066053	G040	VA Tech B2028		9/16/08	TW	0.12	4.07	+0.2	+0.2	-0.2	+0.8	-0.2	-0.3	+2.3			
K016	Hunter 63286	C002	VA Tech B2028		9/17/08	TW	0.20	2.72	+0.7	+0.7	+0.5	+1.4	+0.5	+0.7	+0.5			
K019	Hunter 63286	D016	VA Tech B2028		9/17/08	TW	0.12	2.95	+0.6	+0.6	+0.0	+1.3	+0.0	+0.3	+0.4			
K026	VA Tech G014	G030	Huriman 3366		9/18/08	TW	0.08	3.15	+0.7	+0.7	+0.2	+1.6	+0.2	+0.4	-0.3			
K029	VA Tech G029	Z0044	Culham & Stevens 1664		9/20/08	TW	0.11	3.21	+0.9	+0.9	+0.1	+2.2	+0.1	+0.5	+1.7			
K039	K Bar K 066053	D012	VA Tech B2028		9/26/08	TW	0.21	3.10	+0.1	+0.1	-0.4	+0.6	-0.4	-0.5	+1.7			
K041	K Bar K 066053	G070	K Bar K 4094		9/28/08	S	0.22	3.52	+0.1	+0.1	-0.1	+0.5	-0.1	-0.3	-4.1			
K045	Hunter 63286	G001	VA Tech B2028		10/2/08	TW	0.27	2.88	+1.0	+1.0	+0.5	+1.6	+0.5	+0.9	-0.6			
K053	VA Tech G029	E014	Wade Brothers 1372		1/26/09	TR	0.10	2.46	+0.6	+0.6	+1.8	+1.8	-0.1	+0.1	+3.8			
K072	VA Tech G029	C019	Culham & Stevens 1664		2/2/09	S	0.12	2.43	+1.0	+1.0	+0.4	+2.7	+0.4	+0.8	-1.2			
K093	VA Tech G029	Z0033	Riverwood 1920		2/18/09	TW	0.20	2.35	+1.4	+1.4	+0.4	+3.6	+0.4	+1.0	+2.7			

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							125 lb Adj. FT	125 lb. Adj. REA			Maternal Milk	Maternal Milk + Growth	% Lamb Crop		Fat Thick.
<b>MATURE SUFFOLK EWES- self exposed to lamb in January</b>															
Service Sires:															
*Kimm 02239-05081: McLaughlin/Griffin 0038 x Slack 9146bf daughter (RRNN)															
**KRM Suffolks 5211 "Platinum": VA Tech 20272 "Hokie" x Kimm 11 daughter (RRNN)															
E5252**	Kimm 96026-01014	Y927	Henry Suffolks 810	QR	2/14/05	TR			+1.1	+1.4	+0.2	+0.8	-0.3	+0.01	-0.24
G6250*	KRM Suffolks 5211	Y9250	Henry Suffolks 810	QR	2/15/06	S			+3.1	+5.2	+0.3	+1.9	-1.9	-0.01	+0.02
H7230**	Kimm 02239-05081	A1266	Kimm 97049-99039	QR	2/8/07	TW			+0.6	+1.3	+0.4	+0.7	+2.1	+0.00	+0.22
H7240**	Kimm 02239-05081	C3255	Kimm 96026-01014	RR	2/8/07	TW			+0.1	+1.0	+0.0	+0.0	+10.3	+0.02	+0.18
H7246*	KRM Suffolks 5211	C3282	Kimm 96026-01014	QR	2/11/07	TW			+1.1	+1.1	+0.3	+0.8	-3.7	-0.00	+0.01
H7250*	KRM Suffolks 5211	B2218	Kimm 97049-99039	QR	2/12/07	TR			+1.7	+2.5	+0.4	+1.3	-0.2	-0.01	-0.08
H7291*	OSU 478	G6240	KRM Suffolks 5211	QR	3/3/07	S			+1.0	+1.6	+0.2	+0.7	+0.2	-0.00	-0.03
J8203**	VA Tech H7241	C3235	Kimm 97049-99039	QR	1/30/08	TW			+0.6	+1.6	-0.3	+0.1	+4.3	+0.02	+0.12
J8210*	KRM Suffolks 5211	G6214	Kimm 02239-05081	QR	1/31/08	S			+1.9	+3.7	+0.0	+1.0	-2.4	+0.01	+0.13
J8226*	KRM Suffolks 5211	B2221	Kimm 97049-99039	QR	2/7/08	TW			+2.4	+3.7	+0.5	+1.7	-0.7	-0.01	+0.01
J8263*	KRM Suffolks 5211	A1219	Kimm 97049-99039	QR	2/15/08	TW			+1.7	+2.4	+0.4	+1.2	+1.0	+0.00	+0.09
<b>SUFFOLK EWE LAMBS (self open)</b>															
K212	KRM Suffolks 5211	D4285	Sickels 96-200	RR	2/9/09	TW			+1.7	+3.0	+0.0	+0.8	-0.8		
K228	KRM Suffolks 5211	C3235	Kimm 97049-99039	QR	2/10/09	S	0.14	2.81	+1.1	+1.6	+0.0	+0.5	-1.7		
K245	VA Tech H7241	G6243	D Howard 4035-04	RR	2/13/09	TW	0.25	2.54	+0.3	+0.9	-0.2	+0.0	+3.6		
K246	VA Tech H7241	G6243	D Howard 4035-04	RR	2/13/09	TW	0.20	2.95	+0.3	+0.5	-0.2	+0.0	+3.6		
K249	VA Tech H7241	A1226	Sickels 96-200	RR/QR	2/15/09	TW	0.20	2.49	+0.8	+1.8	+0.0	+0.4	+1.8		
K277	KRM Suffolks 5211	G6302	D Howard 4035-04	RR/QR	3/2/09	S	0.14	2.89	+1.3	+1.3	+0.3	+1.0	-2.5		
K278	VA Tech H7241	G6268	D Howard 4035-04	QR	3/2/09	TW	0.18	2.70	+1.0	+2.5	-0.1	+0.4	+1.3		
K279	Kimm 02239-05081	J8238	Kimm 03005-07057	RR/QR	3/2/09	S	0.19	2.88	-0.5	-0.8	+0.0	-0.3	+3.5		
K280	Kimm 02239-05081	J8246	Kimm 03005-07057	RR	3/9/09	S	0.21	3.41	+0.7	-0.8	+0.0	-0.4	+3.4		
K281	VA Tech J8312	J8229	Kimm 03005-07057	RR	3/9/09	TW	0.19	2.84	+0.2	+0.7	+0.2	+0.3	+6.7		
K288	VA Tech H7241	J8288	Kimm 03005-07057	RR/QR	3/25/09	S	0.18	2.60	-0.4	-0.4	-0.2	-0.4	+3.9		
K290	VA Tech J8312	J8244	VA Tech E5300	RR/QR	4/2/09	TW	0.17	2.54	+1.0	+2.3	+0.0	+0.5	+3.6		
<b>DORSET EWE LAMBS (self open)</b>															
K050	VA Tech G029	G059	K Bar K 4094		1/23/09	TW			+0.6	+2.1	+0.0	+0.3	-2.7		
K060	VA Tech G029	Z0038	Culham & Stevens 1664		1/27/09	TR			+0.3	+1.2	+0.2	+0.2	+0.6		
K066	K Bar K 066053	G061	Hurliman 3366		1/31/09	TW			-0.4	-0.6	-0.2	-0.6	-2.8		
K078	VA Tech G029	G036	Hurliman 3366		2/3/09	TW			-0.1	+0.3	+0.2	+0.1	+1.1		
K081	Hunter 63286	H008	VA Tech G029		2/4/09	TW			+0.6	+1.4	+0.1	+0.3	+0.9		
K086	Hunter 63286	H059	VA Tech B2028		2/10/09	TW			+1.4	+2.7	+0.3	+0.9	+0.4		
K087	Hunter 63286	H059	VA Tech B2028		2/10/09	TW			+1.2	+2.4	+0.3	+0.8	+0.4		
K088	K Bar K 066053	D044	VA Tech B2028		2/13/09	TW			+0.7	+1.7	+0.4	+0.7	-2.0		
K091	K Bar K 066053	G054	K Bar K 4094		2/16/09	S			+0.6	+1.4	+0.1	+0.3	-5.6		
K095	Hunter 63286	J022	K Bar K 066053		2/19/09	S			+0.4	+0.6	+0.2	+0.3	-2.3		
K107	K Bar K 066053	H029	VA Tech B2028		2/24/09	TW			+1.0	+2.2	+0.2	+0.6	+1.0		