



VIRGINIA AGRICULTURAL EXPERIMENT STATION
SOUTHWEST VIRGINIA AGRICULTURAL
RESEARCH AND EXTENSION CENTER
VIRGINIA TECH.

2023 SHEEP FIELD DAY & RAM LAMB SALE

Friday, September 22, 2023

Virginia Tech Southwest Agricultural Research and Extension Center
12326 VPI Farm Road
Glade Spring, VA

Sale Day Phones: (276) 698-6079 or (540) 230-2680
Prior to Sale Day Call: (276) 944-2200 or (540) 231-9159

Ram Videos available at

<https://sas.vt.edu/extension/vtsheep/swarec-ram-test.html>

Schedule

12:00 Noon – Registration & Lunch
12:30 PM - Educational Field Day
3:00 PM - Ram Sale

Selling 50 forage-tested rams evaluated for growth and parasite resistance



Field Day Program:

- Selection for Parasite Resistance- Added Benefits!- Dr. Scott Bowdridge, WVU
- Effect of FEC EBV on Animal Health- Kelsey Bentley, WVU
- Sheep Health Update – Chris Fletcher, DVM, VDACS
- Southwest AREC Sheep Research/Facilities Update - Lee Wright, Virginia Tech SWAREC
- 2023 Ram Test - Lee Wright, Virginia Tech SWAREC and Dr. Scott Greiner, Virginia Tech



Virginia Cooperative Extension

Virginia Tech • Virginia State University

www.ext.vt.edu

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

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.

About the Rams and the Data

Nutrition and Management

One hundred thirteen rams born January 15 through March 15, 2023 were delivered to the Southwest Virginia Agricultural Research and Extension Center at Glade Spring, VA on May 30. Rams originated from 33 flocks located in VA, FL, GA, IA, KY, MD, MO, NC, OH, PA, and TN. At delivery, rams were weighed, vaccinated for clostridial diseases and soremouth, and scrotal measurements taken. Additionally, rams were dewormed with three anthelmintics (ivermectin, albendazole, levamisole), and fecal egg count (FEC) samples collected to determine presence of nematode parasites. A 21-day adjustment period was used to acclimate rams. A subsequent FEC was taken 12 days following delivery to confirm acceptable reduction in parasite load. The primary goal of the pre-test period was to ensure all rams had very low parasite loads at the initiation of test.

Following the three week adjustment period, rams were allocated to forage paddocks based on age and weight, and the structured performance test initiated. At the start of the test period all rams received an oral dose of 5,000 3rd stage *H. contortus* larvae standardized for body weight. Body weights, FEC, and FAMACHA scores were taken at the beginning of the test period, at 14 day intervals during the test. During the test, rams had continuous access to fescue paddocks, and receive supplemental concentrate feed at rate of ~3% body weight daily (76% TDN, 18% CP). FEC and FAMACHA were utilized to determine rams requiring deworming treatment. Rams requiring deworming have been eliminated from the sale.

All rams were dewormed at the conclusion of the 70-day test (August 29). All rams selling have passed a breeding soundness examination conducted by veterinarians from the VA-MD College of Veterinary Medicine. The breeding soundness exam includes measurement of scrotal circumference, examination of the reproductive tract, and semen evaluation.

Performance Data

- % Breed: 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 70-day test on August 29.
- Test ADG: Average daily gain in pounds per day for the entire 70-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 station (weaning growth) as well as gain on test.
- ADG and WDA Ratios: Expresses ADG or WDA for an individual ram as a percentage of the average performance for all rams in the group. A ratio of 100 is average, 110 ratio is 10% above average, and 90 is 10% below average.
- Scrotal Cir.: Actual scrotal circumference in cm measured during breeding soundness exam.
- Mean Adj. FEC: Average of four adjusted fecal egg counts taken post-infection.
- Test Group Avg.: Averages for all rams that concluded the test. Includes both sale rams and those not selling.

Sale Order- Sale order will be available sale day. Sale order will be based on a combination of growth (ADG, WDA) and parasite resistance (Mean Adj. FEC).

Terms and Conditions

- 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 May 1, 2024. 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.

2023 Southwest AREC Ram Test Sale
Friday, September 22, 2023 3:00 PM
Virginia Tech Southwest AREC, Glade Spring, VA
Sale Day Phones (276) 698-6079 or (540) 230-2680

Test ID	Flock ID	Breed	%	Sire	Birth Date	Birth Type	Codon 171 Genotype	Pasture Group	8/29/23 70-day Wt.	Test ADG	ADG Ratio	8/29/23 70-day WDA	WDA Ratio	Scrotal Cir.	Mean Adj. FEC
---------	----------	-------	---	------	------------	------------	--------------------	---------------	--------------------	----------	-----------	--------------------	-----------	--------------	---------------

Beyond Blessed Farm, Chris & Mandy Fletcher; 15424 Blessed Ln.; Abingdon, VA 24210; 276-698-8768

23-001	BBF 23357	Katahdin	100	FLE 21042	2/15/23	2	RR	1	116	0.35	113	0.60	109	30.0	274
23-002	BBF 23302	Katahdin	100	DRW 522	1/29/23	3	RR	2	122	0.44	143	0.58	105	34.0	183
23-004	BBF 23321	Katahdin	100	BC K096-22	2/4/23	2	RR	1	116	0.31	103	0.57	103	34.5	349
23-005	BBF 23345	Katahdin	100	FLE 21042	2/11/23	2	RR	2	107	0.35	116	0.54	98	29.0	126

Birch Cove Farm, David Coplen; 4702 Birch Cove Dr.; Fulton, MO 65251; 573-642-7746

23-006	BCN 165	Katahdin	100	USD 19190	1/26/23	2	QR	1	134	0.26	87	0.63	114	32.0	258
23-007	BCN 172	Katahdin	87.5	USD 21381	1/27/23	2	RR	1	129	0.41	134	0.60	110	35.0	474
23-009	BCN 183	Katahdin	87.5	USD 21381	2/1/23	1	RR	3	103	0.37	120	0.50	90	32.0	99

Ewe Lamb Right Farm, LLC, Dan & Jan Turner; 210 Big Pond Rd.; Shippensburg, PA 17257; 717-512-8127

23-011	ELR 23035	Katahdin	100	WRI 19065	2/17/23	2	RR	1	115	0.30	98	0.60	108	30.5	387
23-013	ELR 23069	Katahdin	100	ELR 21302	2/23/23	2	RR	2	115	0.45	147	0.62	112	33.0	555
23-015	ELR 23160	Katahdin	100	BC M144-32	3/5/23	1	RR	3	100	0.33	106	0.57	103	29.0	147

Hound River Farm, Roxanne Newton; 5550 Skipper Bridge Rd.; Hahira, GA 31632; 229-740-0017

23-016	NWT 23-021	Katahdin	100	RMK 20-072	1/15/23	2	RR	1	134	0.28	91	0.59	108	41.5	0
23-017	NWT 23-026	Katahdin	100	RMK 20-072	1/15/23	3	RR	1	141	0.42	137	0.63	114	37.0	19
23-018	NWT 23-050	Katahdin	100	NWT 22-037	1/21/23	2	QR	1	147	0.26	85	0.67	122	38.0	100
23-019	NWT 23-051	Katahdin	100	NWT 22-037	1/21/23	2	RR	1	145	0.35	116	0.66	120	36.5	0

Rolling Spring Farm, Lee & Cindy Wright; 12333 Deerfield Ln.; Glade Spring, VA 24340; 276-698-6079

23-021	WRI 23025	Katahdin	100	WRI 21126	1/30/23	2	RR	1	122	0.36	118	0.58	106	33.5	411
23-023	WRI 23029	Katahdin	100	WRI 21126	1/31/23	1	RR	1	129	0.40	132	0.62	112	32.5	73
23-024	WRI 23083	Katahdin	100	USD 18318	2/6/23	2	QR	1	120	0.37	122	0.59	108	31.5	386
23-025	WRI 23094	Katahdin	100	USD 18318	2/7/23	2	QR	1	121	0.37	120	0.60	109	31.0	243

Exuberant Hearts Farm, Sandra Foster; 4103 SW 282nd St.; Newberry, FL 32669; 352-281-9515

23-027	DOG 23012	Katahdin	100	PHL 22002	1/31/23	2	RR	3	98	0.31	102	0.47	85	32.0	121
--------	-----------	----------	-----	-----------	---------	---	----	---	----	------	-----	------	----	------	-----

2023 Southwest AREC Ram Test Sale
Friday, September 22, 2023 3:00 PM
Virginia Tech Southwest AREC, Glade Spring, VA
Sale Day Phones (276) 698-6079 or (540) 230-2680

Test ID	Flock ID	Breed	%	Sire	Birth Date	Birth Type	Codon 171 Genotype	Pasture Group	8/29/23 70-day Wt.	Test ADG	ADG Ratio	8/29/23 70-day WDA	WDA Ratio	Scrotal Cir.	Mean Adj. FEC
Huff Farms, Joe & Sue Huff; 2051 Coal Tipple Hollow; Lebanon, VA 24266; 276-971-0002															
23-030	SJF 1081	Katahdin	100	SRG 0444	2/9/23	3	RR	2	110	0.35	115	0.55	100	31.0	337
Shepherd's Way Farm, Lisa Lewis; 35287 Fleet Rd.; Glade Spring, VA 24340; 276-780-3101															
23-037	Shep Way 2394	Katahdin	100	NCS 20-026	2/26/23	1	RR	3	103	0.30	99	0.56	102	32.5	206
JJ's Katahdin Sheep Farm, Jeff & Mary Gross; 1918 Oak Rd; Defiance, IA 51527; 712-579-4906															
23-039	JMG 0167	Katahdin	100	NWT 19075	2/1/23	1	RR	2	102	0.28	92	0.49	89	30.0	51
Silver Maple Sheep Farm, Jay & Irma Greenstone; 3533 Curt Russell Rd.; Jonesville, VA 24263; 276-346-7235															
23-051	C39	Katahdin	100	MOF 2016	2/15/23	2	RR	1	127	0.34	112	0.65	119	35.0	204
23-053	C56	Katahdin	100	JAG 634	2/26/23	2	RR	2	103	0.22	71	0.56	102	28.0	140
Breezy Knoll Katahdins, Robert Phillips; 25405 Hillman Hwy; Abingdon, VA 24210; 276-492-0241															
23-054	23013	Katahdin	100	NWT 19002	1/26/23	1	RR	2	111	0.31	102	0.52	94	35.0	169
Hoss Hill Hair Sheep, Emily Hoss; 15676 Black Hollow Rd; Abingdon, VA 24210; 276-356-0028															
23-061	2351	Katahdin	100	PHL 22018	1/16/23	2	RR	2	113	0.42	137	0.50	92	34.5	365
23-062	2360	Katahdin	100	FLE 22341	2/15/23	2	RR	3	100	0.35	116	0.52	94	31.0	32
Leaning Pine Farms, LLC, John Bruner; 2285 Stilesville Rd.; Science Hill, KY 42553; 606-271-0582															
23-063	2320	Katahdin	100	NWT 19101	2/20/23	3	RR	1	124	0.35	113	0.65	119	35.5	552
OW Farm, Pete Odle; 343 Crabapple Rd; Nickelsville, VA 24271; 276-479-2890															
23-069	OW 508	Katahdin	100	EVS 2110	1/29/23	1	RR	1	126	0.23	75	0.60	109	32.0	182
Three M Farms, Brad Mullins; 1034 Osbornes Gap Rd.; Clintwood, VA 24228; 276-926-4605															
23-073	MMM 2305	Katahdin	100	NWT 7050	2/2/23	3	RR	1	143	0.32	105	0.69	125	35.0	120
23-074	MMM 2309	Katahdin	100	NWT 7050	1/29/23	2	RR	1	129	0.32	105	0.61	111	36.0	360

2023 Southwest AREC Ram Test Sale
Friday, September 22, 2023 3:00 PM
Virginia Tech Southwest AREC, Glade Spring, VA
Sale Day Phones (276) 698-6079 or (540) 230-2680

Test ID	Flock ID	Breed	%	Sire	Birth Date	Birth Type	Codon 171 Genotype	Pasture Group	8/29/23 70-day Wt.	Test ADG	ADG Ratio	8/29/23 70-day WDA	WDA Ratio	Scrotal Cir.	Mean Adj. FEC
---------	----------	-------	---	------	------------	------------	--------------------	---------------	--------------------	----------	-----------	--------------------	-----------	--------------	---------------

Triple Oak Farm, Seth & Melonie Baker; P.O. Box 580, 478 Triple Oak Ln.; Clintwood, VA 24228; 276-219-8902

23-077	BKR 057	Katahdin	100	MMM 1811	2/16/23	2	RR	2	117	0.33	108	0.60	110	31.0	133
--------	---------	----------	-----	----------	---------	---	----	---	-----	------	-----	------	-----	------	-----

Triple L Farms, Larry & Lisa Weeks; 430 Baynes Rd.; Waynesboro, VA 22980; 540-480-8141

23-079	TLF 23027	Katahdin	100	FLE 21041	2/8/23	2	RR	1	118	0.30	98	0.59	107	32.5	121
--------	-----------	----------	-----	-----------	--------	---	----	---	-----	------	----	------	-----	------	-----

Bernwood Farms, Matt Bernes; 2064 New Franklin Church Rd. Canon, GA 30520; 404-376-8244

23-083	BERN 327	Katahdin	100	COR 20-04	2/12/23	2	QR	3	100	0.35	113	0.51	92	33.5	73
--------	----------	----------	-----	-----------	---------	---	----	---	-----	------	-----	------	----	------	----

Chastain Brothers, Kent Chastain; 310 Needle Eye Ln.; Delano, TN 37325; 423-715-1642

23-084	GKC 2376	Katahdin	100	NWT 22036	2/27/23	1	RR	3	101	0.40	132	0.55	101	31.5	229
23-085	GKC 2326	Katahdin	100	OW 365	1/14/23	1	RR	2	119	0.35	115	0.52	95	30.5	73
23-086	GKC 2332	Katahdin	100	GKC 2101	1/15/23	1	RR	1	138	0.35	115	0.61	111	31.5	252

Gingerich Family Katahdins, Silas & Joe Gingerich; 496 Cave Creek Trail; Jonesville, VA 24263; 276-870-6234

23-087	GFS 23311	Katahdin	100	Meinders 1084	1/28/23	2	RR	1	143	0.43	141	0.67	122	35.5	166
--------	-----------	----------	-----	---------------	---------	---	----	---	-----	------	-----	------	-----	------	-----

North Carolina State University, Andrew Weaver; Box 7621; Raleigh, NC 27695; 989-708-2557

23-091	NCS 23026	Katahdin	100	NWT 22134	2/19/23	3	RR	3	97	0.31	102	0.51	92	32.5	78
23-093	NCS 23039	Katahdin	100	NWT 22127	2/22/23	2	QR	3	99	0.42	138	0.53	96	32.5	61

R&R Katahdin Farm, Randal & Rebecca Beal; P.O. Box 23, 214 Lakestone Ln.; Wellington, KY 40387; 606-768-3847

23-095	RNR 2316	Katahdin	100	WRI 21028	2/1/23	3	RR	2	118	0.34	110	0.57	103	35.0	384
--------	----------	----------	-----	-----------	--------	---	----	---	-----	------	-----	------	-----	------	-----

Morehead State University, Patricia Harrelson; 25 MSU Farm Dr.; Morehead, KY 40351; 316-640-6992

23-098	2321	Katahdin	100	BC K092-23	1/31/23	2	RR	2	117	0.45	148	0.56	101	34.0	134
23-099	2334	Katahdin	100	FLE 21071	2/7/23	3	RR	3	105	0.35	113	0.52	94	32.0	86
23-101	2342	Katahdin	100	BC K092-23	2/8/23	2	QR	1	119	0.36	119	0.59	108	33.0	445

2023 Southwest AREC Ram Test Sale
 Friday, September 22, 2023 3:00 PM
 Virginia Tech Southwest AREC, Glade Spring, VA
 Sale Day Phones (276) 698-6079 or (540) 230-2680

Test ID	Flock ID	Breed	%	Sire	Birth Date	Birth Type	Codon 171 Genotype	Pasture Group	8/29/23 70-day Wt.	Test ADG	ADG Ratio	8/29/23 70-day WDA	WDA Ratio	Scrotal Cir.	Mean Adj. FEC
Silveridge, Laura Anderson; 400 Green Spring Rd.; Winchester, VA 22603; 540-336-4707															
23-104	SIL 2308	Katahdin	100	THF 2202	1/27/23	3	RR	1	135	0.34	110	0.63	115	35.5	340
Hoodley Creek, Kathleen Proffitt; 9840 Baileyton Rd.; Afton, TN 37616; 615-478-9335															
23-105	KKP 2657	Katahdin	100	WRI 21085	1/24/23	2	RR	3	112	0.44	143	0.52	94	33.0	111
23-106	KKP 2640	Katahdin	100	MMM 2112	1/21/23	2	RR	2	112	0.38	124	0.51	93	29.0	346
23-107	KKP 2654	Katahdin	100	MMM 2112	1/23/23	2	RR	2	112	0.40	132	0.51	93	29.5	409
Maierle Sheep Company, Camren Maierle; PO Box 431 (6327 National Rd.) Jacksontown, OH 43030; 740-887-5529															
23-108	D051	Katahdin	100	MOF 306	1/15/23	2	RR	2	102	0.22	71	0.45	82	32.5	11
Old Slate Farm, Brad Carothers; 7510 Granville Rd. Mount Vernon, OH 43050; 740-398-1279															
23-113	23096	Katahdin	100	NCS 22035	3/8/23	2	QR	3	102	0.34	112	0.59	107	31.5	41
103 Rams Tested Avg.									111	0.31	100	0.55	100	32.6	305

Understanding NSIP Data

Scott Greiner, Extension Sheep Specialist, Virginia Tech

Estimated Breeding Values (EBVs) are reported for the sheep industry through performance recording in the National Sheep Improvement Program (NSIP). Complex statistical equations and models use all known information on a particular animal to calculate its EBV. This information includes performance data (i.e. lambing, growth, FEC 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). In short, virtually all performance data that relates to the animal of interest is used to calculate its EBV. The statistical analysis used for EBV calculation also accounts for the effects of environmental differences that exist between flocks (nutrition, climate, geographical location, etc.), as well as relationships between traits. EBVs generated through the across-flock NSIP analysis allows genetic merit to be fairly compared on sheep from different flocks, and therefore EBVs are the best tool for genetic selection and improvement.

EBVs provide estimates of the genetic value of an animal as a parent. Specifically, half the difference in EBVs between two individuals is the expected difference in performance between their future progeny when each is mated to animals of the same genetic merit (EBVs are similar to EPDs- an EPD is half the value of an EBV). EBVs are reported for the following traits:

Maternal Weaning Weight 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.

Weaning Weight EBV (WWT): predicts genetic merit for weaning growth potential (measured in kg). A ram with a +2.0 WWT 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 WWT EBV (ram transmits half the difference of the EBV difference to progeny)

Post Weaning Weight EBV (PWWT): predicts genetic merit for post-weaning growth potential (measured in kg). A ram with a +4.0 PWWT EBV would be expected to produce progeny that average 2.0 kg heavier at 120 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)

Weaning Fecal Egg Count EBV (WFEC): EBV predicts genetic merit for parasite resistance at weaning based on worm egg counts. Animals with low FEC EBVs are expected to have greater parasite resistance. EBV is expressed as percentage. EBVs

Post Weaning Fecal Egg Count EBV (PFEC): EBV predicts genetic merit for parasite resistance post-weaning. Animals with low FEC EBVs are expected to have greater parasite resistance. EBV is expressed as percentage. EBVs

Number Lambs Born EBV (NLB): EBV indicates genetic potential for fertility of a ram's daughters, 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 give birth to 2.5% more lambs (half the difference in their EBVs)

Number 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)

USA Hair Index EBV: Hair Index (aka Katahdin Index, Ewe Productivity Index) predict genetic merit for a combination of growth and maternal traits resulting in pounds of lamb weaned per ewe lambing. The index includes MWWT, WWT, NLB, and NLW EBVs and is a measure of overall maternal ability.

This catalog contains EBVs for rams from flocks participating in NSIP. The EBVs reported are current as of the time of catalog publishing. Also provided is the unique **NSIP ID** number for each ram. This number may be plugged into the online NSIP Searchable Database at <http://nsip.org/> to access the most current EBVs.

2023 Southwest AREC Ram Test Sale NSIP EBVs

Test ID	Flock ID	NSIP ID	EBV WWT	EBV MWWT	EBV PWWT	EBV WFEC	EBV PFEC	EBV NLB%	EBV NLW%	EBV USA HAIR
---------	----------	---------	---------	----------	----------	----------	----------	----------	----------	--------------

Beyond Blessed Farm, Chris & Mandy Fletcher; 15424 Blessed Ln.; Abingdon, VA 24210; 276-698-8768

23-001	BBF 23357	6401492023FLE357	+2.2	+0.3	+3.9	-21	+5	+13	+12	+103
23-002	BBF 23302	6401492023FLE302	+2.1	+1.0	+2.5	-23	-39	+11	+13	+103
23-004	BBF 23321	6401492023FLE321	+2.2	+0.4	+3.4	-21	-41	+6	+9	+102
23-005	BBF 23345	6401492023FLE345	+1.8	+0.2	+3.5	-36	-25	+11	+10	+102

Birch Cove Farm, David Coplen; 4702 Birch Cove Dr.; Fulton, MO 65251; 573-642-7746

23-006	BCN 165	6400312023BCN165	+3.0	+1.1	+5.3	-53	-37	+13	+15	+104
23-007	BCN 172	6400312023BCN172	+2.8	+1.7	+5.3	-42	-43	+15	+19	+105
23-009	BCN 183	6400312023BCN183	+1.4	+1.1	+3.3	-65	-71	+5	+11	+103

Ewe Lamb Right Farm, LLC, Dan & Jan Turner; 210 Big Pond Rd.; Shippensburg, PA 17257; 717-512-8127

23-011	ELR 23035	6401562023ELR035	+3.1	+0.9	+5.9	-72	-36	+6	+15	+104
23-013	ELR 23069	6401562023ELR069	+4.2	+0.2	+7.1	-28	-43	+37	+26	+105
23-015	ELR 23160	6401562023ELR160	+3.8	+1.3	+7.4	-78	-65	+12	+18	+104

Hound River Farm, Roxanne Newton; 5550 Skipper Bridge Rd.; Hahira, GA 31632; 229-740-0017

23-016	NWT 23-021	6400522023NWT021	+1.4	+0.8	+1.8	-70	-96	+8	+13	+103
23-017	NWT 23-026	6400522023NWT026	+2.5	+0.4	+3.9	-87	-97	+12	+14	+103
23-018	NWT 23-050	6400522023NWT050	+2.6	+0.8	+4.1	-92	-100	+12	+15	+103
23-019	NWT 23-051	6400522023NWT051	+2.3	+0.8	+3.7	-94	-100	+12	+14	+103

Rolling Spring Farm, Lee & Cindy Wright; 12333 Deerfield Ln.; Glade Spring, VA 24340; 276-698-6079

23-021	WRI 23025	6400452023WRI025	+3.2	+0.8	+5.5	-33	+20	+13	+15	+104
23-023	WRI 23029	6400452023WRI029	+3.4	+1.4	+5.4	-24	+13	+8	+11	+103
23-024	WRI 23083	6400452023WRI083	+2.6	+1.6	+4.6	-35	-12	+10	+14	+104
23-025	WRI 23094	6400452023WRI094	+2.7	+1.2	+4.5	-20	-17	+12	+15	+104

Shepherd's Way Farm, Lisa Lewis; 35287 Fleet Rd.; Glade Spring, VA 24340; 276-780-3101

23-037	Shep Way 2394	6402762023SW2394	+1.5	+0.4	+3.0	-64	-66	+9	+10	+102
--------	---------------	------------------	------	------	------	-----	-----	----	-----	------

2023 Southwest AREC Ram Test Sale NSIP EBVs

Test ID	Flock ID	NSIP ID	EBV WWT	EBV MWWT	EBV PWWT	EBV WFEC	EBV PFEC	EBV NLB%	EBV NLW%	EBV USA HAIR
---------	----------	---------	---------	----------	----------	----------	----------	----------	----------	--------------

JJ's Katahdin Sheep Farm, Jeff & Mary Gross; 1918 Oak Rd; Defiance, IA 51527; 712-579-4906

23-039	JMG 0167	6402252023JMG167	1.1	0.8	1.8	-39	-66	6	8	102.1
--------	----------	------------------	-----	-----	-----	-----	-----	---	---	-------

Breezy Knoll Katahdins, Robert Phillips; 25405 Hillman Hwy; Abingdon, VA 24210; 276-492-0241

23-054	23013	6402142023PHL013	+1.8	+0.2	+3.1	N/A	N/A	+10	+9	+102
--------	-------	------------------	------	------	------	-----	-----	-----	----	------

Triple L Farms, Larry & Lisa Weeks; 430 Baynes Rd.; Waynesboro, VA 22980; 540-480-8141

23-079	TLF 23027	6400442023TLF027	+1.8	+1.0	+2.5	-41	-60	+5	+6	+102
--------	-----------	------------------	------	------	------	-----	-----	----	----	------

Gingerich Family Katahdins, Silas & Joe Gingerich; 496 Cave Creek Trail; Jonesville, VA 24263; 276-870-6234

23-087	GFS 23311	6402022023GFS311	+2.6	+1.6	+3.8	+23	+13	+12	+15	+104
--------	-----------	------------------	------	------	------	-----	-----	-----	-----	------

North Carolina State University, Andrew Weaver; Box 7621; Raleigh, NC 27695; 989-708-2557

23-091	NCS 23026	6402382023NCS026	+2.5	+2.2	+4.2	-38	-37	+17	+17	+104
23-093	NCS 23039	6402382023NCS039	+2.8	+1.0	+5.0	-54	-53	+18	+19	+104

R&R Katahdin Farm, Randal & Rebecca Beal; P.O. Box 23, 214 Lakestone Ln.; Wellington, KY 40387; 606-768-3847

23-095	RNR 2316	6402032023RNR316	+2.8	+1.5	+4.8	N/A	N/A	+9	+11	+103
--------	----------	------------------	------	------	------	-----	-----	----	-----	------

Morehead State University, Patricia Harrelson; 25 MSU Farm Dr.; Morehead, KY 40351; 316-640-6992

23-098	2321	6402662023MSU021	+1.6	+0.5	+3.2	-82	-92	+15	+18	+104
23-099	2334	6402662023MSU034	+2.1	+1.1	+3.6	-60	-57	+12	+9	+102
23-101	2342	6402662023MSU042	+2.0	+0.7	+3.5	-46	-44	+10	+14	+103

Maierle Sheep Company, Camren Maierle; PO Box 431 (6327 National Rd.) Jacksontown, OH 43030; 740-887-5529

23-108	D051	6402772023CXM051	+1.1	+0.1	+0.9	N/A	N/A	+8	+11	+102
--------	------	------------------	------	------	------	-----	-----	----	-----	------

Old Slate Farm, Brad Carothers; 7510 Granville Rd. Mount Vernon, OH 43050; 740-398-1279

23-113	23096	6401802023OSF096	+1.6	+0.0	+2.5	-65	-70	+1	+6	+102
--------	-------	------------------	------	------	------	-----	-----	----	----	------

		<i>Katahdin Percentile Report Sept. 2023</i>	WWT	MWWT	PWWT	WFEC	PFEC	NLB%	NLW%	USA HAIR
Katahdin breed avg.			+1.6	+0.6	+2.7	-29	-26	+8	+11	+102.5

**2023 Southwest AREC Ram Test Sale
Sale Order**

Lot	Consignor	Price	Buyer
23-019	Newton		
23-017	Newton		
23-087	Gingerich		
23-023	Wright		
23-073	Mullins		
23-113	Carrothers		
23-016	Newton		
23-098	MSU		
23-093	NC State		
23-002	Fletcher		
23-018	Newton		
23-051	Greenstone		
23-105	Proffitt		
23-062	Hoss		
23-077	Baker		
23-085	Chastain		
23-013	Turner		
23-025	Wright		
23-084	Chastain		
23-086	Chastain		
23-079	Weeks		
23-083	Bernes		
23-099	MSU		
23-005	Fletcher		
23-015	Turner		

Lot	Consignor	Price	Buyer
23-009	Coplen		
23-007	Coplen		
23-104	Anderson		
23-001	Fletcher		
23-091	NC State		
23-024	Wright		
23-063	Bruner		
23-039	Gross		
23-006	Coplen		
23-074	Mullins		
23-101	MSU		
23-037	Lewis		
23-021	Wright		
23-061	Hoss		
23-069	Odle		
23-030	Huff		
23-054	Phillips		
23-095	Beal		
23-107	Proffitt		
23-011	Turner		
23-106	Proffitt		
23-004	Fletcher		
23-108	Maierle		
23-053	Greenstone		
23-027	Foster		