UPDATED 9/13/24

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

2024 SHEEP FIELD DAY & RAM LAMB SALE

Friday, September 20, 2024

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

Online bidding available at: livestockbuyer.com

LIVESTOCKBUYER.COM
Online Livestock Marketing

Schedule

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

Selling 57 forage-tested rams evaluated for growth and parasite resistance

Field Day Program:

- Virginia Tech CALS Update – Dr. Mary Burrows, Director, VA Agricultural Experiment Station
- Evaluation of Feed Efficiency & Feeding Behavior in Katahdin Lambs
  - Nicole Valliere, Virginia Tech Tech & Dr. Andrew Weaver, NCSU
- Parasite-Proof and Proud: How Resistant Sheep Flex Their Immune Muscles
  - Dr. Scott Bowdridge, WVU
- Sheep Health Update – Chris Fletcher, DVM, VDACS
- 2024 Ram Test - Lee Wright, Virginia Tech SWAREC and Dr. Scott Greiner, Virginia Tech

Virginia Cooperative Extension
Virginia Tech • Virginia State University

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, 2024 were delivered to the Southwest Virginia Agricultural Research and Extension Center at Glade Spring, VA on May 28. Rams originated from 33 flocks located in VA, GA, KY, MD, MO, NC, OH, PA, TN, and WV. At delivery, rams were weighed, vaccinated for clostridial diseases and soremouth, and scrotal measurements taken. Additionally, rams were dewormed with three anthelmentics (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 27). 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, 2025. 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 on the cover.

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.

2024 Southwest AREC Ram Test Sale
Friday, September 20, 2024 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	8/27/24 70-day Wt.	Test ADG	ADG Ratio	8/27/24 70-day WDA	WDA Ratio	Scrotal Cir.	Mean Adj. FEC
Hound River Farm, Roxanne Newton; 5550 Skipper Bridge Rd.; Hahira, GA 31632; 229-740-0017															
24-001	NWT 24001	Katahdin	100	NWT 22-037	1/16/24	2	RR	1	138	0.54	153	0.62	110	36.0	11
24-002	NWT 24004	Katahdin	100	NWT 22-133	1/18/24	3	RR	1	140	0.46	131	0.63	113	32.0	32
24-003	NWT 24020	Katahdin	100	RMK 1072H	1/21/24	2	RR	1	145	0.53	149	0.66	118	36.0	297
24-004	NWT 24057	Katahdin	100	NWT 22-037	1/27/24	1	RR	1	141	0.46	131	0.66	118	33.5	0
24-005	NWT 24082	Katahdin	100	WRI 22072	2/3/24	3	RR	1	123	0.29	81	0.60	107	32.5	26
Rolling Spring Farm, Lee & Cindy Wright; 12333 Deerfield Ln.; Glade Spring, VA 24340; 276-698-6079															
24-007	WRI 24098	Katahdin	100	NWT 19067	2/10/24	2	QR	3	92	0.42	119	0.46	83	30.5	167
24-010	WRI 24113	Katahdin	100	WRI 21126	2/11/24	2	RR	3	102	0.51	143	0.52	92	33.0	429
Birch Cove Farm, David Coplen; 4702 Birch Cove Dr.; Fulton, MO 65251; 573-642-7746															
24-011	BCP 200	Katahdin	100	NWT 22131	2/12/24	3	RR	2	107	0.33	93	0.55	97	34.0	90
24-012	BCP 204	Katahdin	100	NWT 22131	2/14/24	2	RR	2	112	0.41	115	0.57	103	34.5	221
24-013	BCP 205	Katahdin	100	ELR 23035	2/14/24	3	RR	3	108	0.39	109	0.55	99	32.5	178
Fahrmeier Katahdins, Lynn Fahrmeier; 13305 Fournoy School Rd.; Wellington, MO 64097; 816-517-5049															
24-017	FAH 040	Katahdin	100	NWT 23010	2/18/24	1	RR	2	98	0.27	77	0.51	92	33.0	105
24-020	FAH 70	Katahdin	100	NWT 23010	2/21/24	2	QR	3	106	0.49	137	0.56	101	35.0	69
Cedar Creek Farm, Michael Stumpff; 462 Cedar Creek Ln.; Georgetown, TN 37336; 423-505-4274															
24-023	CED 2423	Katahdin	100	THF 2206	2/21/24	1	RR	2	116	0.33	93	0.62	111	32.5	208
Breezy Knoll Katahdins, Robert Phillips; 25405 Hillman Hwy; Abingdon, VA 24210; 276-492-0241															
24-027	24092	Katahdin	100	PHL 22043	1/19/24	2	QR	1	128	0.37	105	0.58	104	34.5	96
24-028	24063	Katahdin	100	SHU 4547	1/25/24	2	RR	1	132	0.45	127	0.61	110	34.0	534
Martin Farms, Larry Dean Martin; 61 Cherry Hill Rd.; Richland, PA 17087; 717-821-0955															
24-035	0111	Katahdin	100	CJY 34	2/5/24	2	RR	1	130	0.48	135	0.64	114	33.0	413
24-036	24013	Katahdin	100	ZIM 22022	1/23/24	2	QR	1	125	0.30	85	0.58	103	34.0	185
Ewe Lamb Right Farm, LLC, Dan & Jan Turner; 210 Big Pond Rd.; Shippensburg, PA 17257; 717-512-8127															
24-040	ELR 24056	Katahdin	100	ELR 23245	2/27/24	2	RR	2	109	0.36	101	0.60	107	31.5	109
24-041	ELR 24137	Katahdin	100	ELR 21414	3/3/24	3	RR	3	109	0.46	131	0.62	111	32.0	398
Leaning Pine Farms, LLC, John Bruner; 2285 Stilesville Rd.; Science Hill, KY 42553; 606-271-0582															
24-043	2403	Katahdin	100	MH Katahdins 2204	2/14/24	2	RR	2	124	0.43	121	0.64	114	36.0	342
24-045	2413	Katahdin	100	MH Katahdins 2204	2/21/24	2	RR	1	129	0.38	107	0.69	123	34.0	888

2024 Southwest AREC Ram Test Sale
Friday, September 20, 2024 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	8/27/24 70-day Wt.	Test ADG	ADG Ratio	8/27/24 70-day WDA	WDA Ratio	Scrotal Cir.	Mean Adj. FEC
Serenity Lane, Victoria & Jason Lane; 18235 Limestone Dr.; Meadowview, VA 24361; 276-245-8937															
24-046	2403	Katahdin	100	FLE 21018	1/17/24	2	QR	1	131	0.35	99	0.59	105	30.0	108
24-048	2422	Katahdin	100	FLE 21018	2/3/24	2	RR	1	124	0.34	97	0.60	108	33.0	11
Beyond Blessed Farm, Chris & Mandy Fletcher; 15424 Blessed Ln.; Abingdon, VA 24210; 276-698-0204															
24-050	FLE 4119	Katahdin	100	USD 318	2/1/24	3	RR	1	130	0.44	123	0.63	112	33.0	203
24-052	FLE 4174	Katahdin	100	FLE382	2/12/24	2	QR	1	124	0.36	101	0.63	113	32.0	97
Triple L Farms, Larry & Lisa Weeks; 430 Baynes Rd.; Waynesboro, VA 22980; 540-480-8141															
24-055	TLF 24009	Katahdin	100	NCS 23062	2/4/24	3	RR	2	123	0.44	123	0.60	107	35.0	223
Reed's Family Farm, Leanne Reed; 5690 US Hwy 460 West; Frenchburg, KY 40322; 859-274-6319															
24-063	0269	Katahdin	100	FLE 22380	1/24/24	2	QR	3	111	0.41	117	0.51	92	32.0	158
R&R Katahdin Farm, Randal & Rebecca Beal; P.O. Box 23, 214 Lakestone Ln.; Wellington, KY 40387; 606-768-3847															
24-064	RNR 2401	Katahdin	100	ELR 21033	1/22/24	1	RR	2	122	0.41	117	0.56	100	33.5	54
24-065	RNR 2407	Katahdin	100	WRI 21028	1/27/24	3	QR	2	113	0.36	101	0.53	95	28.0	133
24-066	RNR 2441	Katahdin	100	WRI 21028	1/31/24	2	QR	2	114	0.36	103	0.55	97	28.0	290
24-067	RNR 2452	Katahdin	100	WRI 21028	2/1/24	2	RR	3	105	0.34	95	0.51	91	33.0	149
Hoss Hill Hair Sheep, Emily Hoss; 15676 Black Hollow Rd; Abingdon, VA 24210; 276-356-0028															
24-068	2442	Katahdin	100	FLE 22344	2/20/24	3	RR	3	100	0.37	105	0.53	94	28.0	195
24-069	2428	Katahdin	100	PHL 22018	2/14/24	1	RR	2	115	0.42	119	0.59	105	32.0	534
Daffodil Valley Katahdins, Laban & Mary Graber; 1699 Hubbard Springs Rd.; Jonesville, VA 24263; 865-585-4914															
24-075	DVH 2432	Katahdin	100	BAG 4563	1/24/24	2	RR	2	116	0.39	109	0.54	96	34.5	32
Gingerich Family Katahdins, Silas & Joe Gingerich; 496 Cave Creek Trail; Jonesville, VA 24263; 276-870-6234															
24-078	GFS 24021	Katahdin	100	BAG 4533	1/16/24	3	RR	1	127	0.39	109	0.57	101	33.0	50
24-080	GFS M012	Katahdin	100	BAG 4533	1/16/24	3	RR	1	128	0.41	117	0.57	102	33.5	46
Silver Maple Sheep Farm, Jay & Irma Greenstone; 3533 Curt Russell Rd.; Jonesville, VA 24263; 276-346-7235															
24-085	JAG 1231	Katahdin	100	MOF 2016	2/23/24	2	RR	1	133	0.30	85	0.72	128	29.5	408
Hoodley Creek, Kathleen Proffitt; 9840 Baileyton Rd.; Afton, TN 37616; 615-478-9335															
24-088	KKP 2739	Katahdin	100	MTF 31	1/31/24	2	RR	2	112	0.39	111	0.54	96	34.5	50
24-089	KKP 2731	Katahdin	100	BERN 003	1/27/24	2	RR	3	115	0.51	145	0.54	97	34.0	307

2024 Southwest AREC Ram Test Sale
Friday, September 20, 2024 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	8/27/24 70-day Wt.	Test ADG	ADG Ratio	8/27/24 70-day WDA	WDA Ratio	Scrotal Cir.	Mean Adj. FEC
Winnow Glen Farm, Cody Brabham; 425 Lanham Ln.; Fairmont, WV 26554; 304-939-1212															
24-091	WGF 2405	Katahdin	100	MOF 2203	2/15/24	2	RR	1	129	0.45	127	0.67	119	33.0	37
24-092	WGF 2432	Katahdin	100	RFK 19072	3/11/24	2	RR	3	92	0.35	99	0.55	98	30.0	111
Shepherd's Way Farm, Lisa Lewis; 35287 Fleet Rd.; Glade Spring, VA 24340; 276-780-3101															
24-093	Shep.Way 2438	Katahdin	100	FLE 22321	1/29/24	2	QR	2	117	0.48	135	0.55	99	33.5	74
24-094	Shep. Way 2440	Katahdin	100	FLE 22321	1/29/24	2	QR	2	121	0.39	109	0.57	102	36.0	169
24-095	Shep. Way 2467	Katahdin	100	NCS 20026	2/5/24	2	RR	2	120	0.46	131	0.59	105	34.0	203
24-096	Shep. Way 2479	Katahdin	100	Shep. Way 2399	2/14/24	1	RR	2	108	0.31	89	0.56	99	33.0	52
Three M Farms, Brad Mullins; 1034 Osbornes Gap Rd.; Clintwood, VA 24228; 276-926-4605															
24-098	MMM 2406	Katahdin	100	GFS 22164	2/9/24	3	RR	1	128	0.41	115	0.64	114	31.0	540
24-099	MMM 2412	Katahdin	100	NWT 22034	2/9/24	3	RR	1	133	0.38	107	0.67	119	33.0	314
Mountain Top Farm, Gilmer & Charlotte Childress; 324 Pridemore Dr.; Haysi, VA 24256; 276-865-8900															
24-100	MTF 73	Katahdin	100	MMM 1925	2/1/24	1	RR	1	133	0.22	63	0.64	115	34.0	147
24-102	MTF 75	Katahdin	100	MMM 2306	1/21/24	2	RR	1	152	0.46	131	0.69	124	35.0	97
Silveridge, Laura Anderson; 400 Green Spring Rd.; Winchester, VA 22603; 540-336-4707															
24-105	SIL 24031	Katahdin	100	SES 2319	2/14/24	1	RR	2	113	0.38	107	0.58	104	32.0	358
Morehead State University, Patricia Harrelson; 325 Reed Hall; Morehead, KY 40351; 316-640-6992															
24-107	MSU 2418	Katahdin	100	ELR 23076	1/22/24	2	RR	3	101	0.38	107	0.47	83	29.0	80
24-108	MSU 2424	Katahdin	100	BCK 092-23	1/22/24	1	RR	2	110	0.38	107	0.50	90	31.5	209
Square H Farm, Flint & Patricia Harrelson; 3090 Prewitt Grassy Lick Pike; Mt. Sterling, KY 40353; 575-642-2652															
24-110	SQH 2050	Katahdin	100	MSU 2215	2/20/24	3	QR	3	104	0.45	127	0.55	99	34.5	278
24-111	SQH 2052	Katahdin	87.5	JAG C056	3/4/24	1	RR	3	100	0.29	83	0.57	102	32.0	236
24-112	SQH 2055	Katahdin	87.5	JAG C056	3/8/24	2	RR	3	101	0.48	135	0.59	105	32.0	127
North Carolina State University, Andrew Weaver; Box 7621; Raleigh, NC 27695; 989-708-2557															
24-114	NCS 24027	Katahdin	100	OSF 23030	2/27/24	2	RR	2	114	0.42	119	0.63	112	36.5	42
Chastain Brothers, Kent Chastain; 310 Needle Eye Ln.; Delano, TN 37325; 423-715-1642															
24-116	GKC 2421	Katahdin	100	NWT 22036	1/19/24	1	RR	1	140	0.41	117	0.63	113	33.0	280
114 Rams Tested Avg.									113	0.35	100	0.56	100	32.7	273

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.

2024 Southwest AREC Ram Test Sale NSIP EBVs

Katahdin

Test ID	Flock ID	NSIP ID	EBV WWT	EBV MWWT	EBV PWWT	EBV WFEC	EBV PFEC	EBV NLB%	EBV NLW%	EBV USA HAIR
Hound River Farm, Roxanne Newton; 5550 Skipper Bridge Rd.; Hahira, GA 31632; 229-740-0017										
24-001	NWT 24001	6400522024NWT001	+1.7	+0.3	+2.7	-88	-98	+14	+17	103.4
24-002	NWT 24004	6400522024NWT004	+2.3	+1.0	+4.4	-96	-99	+8	+13	103.1
24-003	NWT 24020	6400522024NWT020	+1.8	+0.8	+3.3	-79	-86	+5	+10	102.7
24-004	NWT 24057	6400522024NWT057	+2.1	+0.2	+3.1	-87	-99	+10	+12	102.7
24-005	NWT 24082	6400522024NWT082	+2.6	+0.7	+4.5	-76	-87	+15	+16	103.5
Rolling Spring Farm, Lee & Cindy Wright; 12333 Deerfield Ln.; Glade Spring, VA 24340; 276-698-6079										
24-007	WRI 24098	6400452024WRI098	+2.0	+1.1	+3.5	-83	-92	+4	+10	102.7
24-010	WRI 24113	6400452024WRI113	+3.5	+0.2	+6.1	-78	-89	+6	+9	102.3
Birch Cove Farm, David Coplen; 4702 Birch Cove Dr.; Fulton, MO 65251; 573-642-7746										
24-011	BCP 200	6400312024BCP200	+3.6	+0.5	+6.4	-84	-92	+14	+17	103.9
24-012	BCP 204	6400312024BCP204	+2.1	+0.7	+3.9	-79	-87	+11	+12	102.7
24-013	BCP 205	6400312024BCP205	+2.0	+1.2	+3.4	-49	-43	+7	+13	103.4
Fahrmeier Katahdins, Lynn Fahrmeier; 13305 Fournoy School Rd.; Wellington, MO 64097; 816-517-5049										
24-017	FAH 040	6400302024FAH040	+1.6	+0.6	+3.3	-30	-33	+15	+19	104.1
24-020	FAH 70	6400302024FAH070	+2.0	+1.0	+4.8	-33	-15	+17	+23	105.1
Breezy Knoll Katahdins, Robert Phillips; 25405 Hillman Hwy; Abingdon, VA 24210; 276-492-0241										
24-027	24092	6402142024PHL092	+1.2	N/A	+1.9	N/A	N/A	+7	+6	101.2
24-028	24063	6402142024PHL063	+1.3	N/A	+2.2	N/A	N/A	+3	+6	101.6
Martin Farms, Larry Dean Martin; 61 Cherry Hill Rd.; Richland, PA 17087; 717-821-0955										
24-035	0111	6402842024LDL111	+1.4	N/A	+2.4	N/A	N/A	+5	+5	101.4
24-036	24013	6402842024LDL013	+1.9	+1.6	+3.7	N/A	N/A	+8	+12	103.1

2024 Southwest AREC Ram Test Sale NSIP EBVs

Katahdin

Test ID	Flock ID	NSIP ID	EBV WWT	EBV MWWT	EBV PWWT	EBV WFEC	EBV PFEC	EBV NLB%	EBV NLW%	EBV USA HAIR
Ewe Lamb Right Farm, LLC, Dan & Jan Turner; 210 Big Pond Rd.; Shippensburg, PA 17257; 717-512-8127										
24-040	ELR 24056	6401562024ELR056	+2.4	+0.8	+3.1	-41	-55	+22	+22	104.6
24-041	ELR 24137	6401562024ELR137	+3.3	+1.8	+5.9	-29	-23	+11	+21	105.3
Beyond Blessed Farm, Chris & Mandy Fletcher; 15424 Blessed Ln.; Abingdon, VA 24210; 276-698-0204										
24-050	FLE 4119	6401492024FLE119	+3.3	+1.5	+6.0	-7	+20	+18	+20	104.6
24-052	FLE 4174	6401492024FLE174	+4.2	+1.3	+7.8	-40	-30	+17	+18	104.2
Triple L Farms, Larry & Lisa Weeks; 430 Baynes Rd.; Waynesboro, VA 22980; 540-480-8141										
24-055	TLF 24009	6400442024TLF009	+2.0	+0.9	+3.5	-16	-51	+21	+20	104.2
Reed's Family Farm, Leanne Reed; 5690 US Hwy 460 West; Frenchburg, KY 40322; 859-274-6319										
24-063	0269	6402922024REE269	+2.8	+0.9	+4.5	-51	-58	+7	+12	103.0
R&R Katahdin Farm, Randal Beal; P.O. Box 23, 214 Lakestone Ln.; Wellington, KY 40387; 606-768-3847										
24-064	RNR 2401	6402032024RNR401	+1.5	+0.8	+2.3	-49	-45	+5	+12	103.0
24-065	RNR 2407	6402032024RNR407	+1.6	N/A	+2.6	-21	-18	+5	+8	102.1
24-066	RNR 2441	6402032024RNR441	+0.9	N/A	+1.9	-14	-16	+4	+7	101.6
24-067	RNR 2452	6402032024RNR452	+2.0	+1.3	+3.3	+13	+13	+8	+9	102.3
Gingerich Family Katahdins, Silas & Joe Gingerich; 496 Cave Creek Trail; Jonesville, VA 24263; 276-870-6234										
24-078	GFS 24021	6402022024GFS021	+1.9	N/A	+4.0	-34	+0	+13	+15	103.2
24-080	GFS M012	6402022024GFSM12	+2.2	N/A	+4.1	-28	+12	+12	+13	103.0
Winnow Glen Farm, Cody Brabham; 425 Lanham Ln.; Fairmont, WV 26554; 304-939-1212										
24-091	WGF 2405	6403142024WGF005	+1.9	+1.0	+2.8	-67	-80	+5	+6	101.8
24-092	WGF 2432	6403142024WGF032	+1.5	N/A	+2.8	N/A	N/A	+5	+6	101.4

2024 Southwest AREC Ram Test Sale NSIP EBVs

Katahdin

Test ID	Flock ID	NSIP ID	EBV WWT	EBV MWWT	EBV PWWT	EBV WFEC	EBV PFEC	EBV NLB%	EBV NLW%	EBV USA HAIR
Shepherd's Way Farm, Lisa Lewis; 35287 Fleet Rd.; Glade Spring, VA 24340; 276-780-3101										
24-093	Shep.Way 2438	6402762024SW2438	+3.6	+0.9	+5.5	-51	-63	+13	+14	103.4
24-094	Shep. Way 2440	6402762024SW2440	+3.4	+1.5	+5.2	-36	-47	+15	+17	104.0
24-095	Shep. Way 2467	6402762024SW2467	+2.1	+0.7	+4.2	-10	+58	+13	+14	103.0
24-096	Shep. Way 2479	6402762024SW2479	+1.8	+0.0	+2.4	-10	+4	+12	+15	103.2
Morehead State University, Patricia Harrelson; 325 Reed Hall; Morehead, KY 40351; 316-640-6992										
24-107	MSU 2418	6402662024MSU018	+1.6	+0.9	+2.8	-64	-73	+13	+16	103.7
24-108	MSU 2424	6402662024MSU024	+1.8	+1.1	+2.8	-49	-60	+7	+8	102.2
North Carolina State University, Andrew Weaver; Box 7621; Raleigh, NC 27695; 989-708-2557										
24-114	NCS 24027	6402382024NCS027	+2.1	+0.4	+3.1	-60	-64	+9	+11	102.6

Katahdin Percentile Report Sept. 2024	WWT	MWWT	PWWT	WFEC	PFEC	NLB%	NLW%	USA HAIR
Katahdin breed avg. EBV	**+1.7**	**+0.6**	**+3.0**	**-29**	**-29**	**+9**	**+12**	**102.8**

2024 Southwest AREC Ram Test Sale
Sale Order

Lot	Consignor	Price	Buyer
24-001	Newton		
24-004	Newton		
24-091	Brabham		
24-102	Childress		
24-002	Newton		
24-114	NC State		
24-003	Newton		
24-020	Fahrmeier		
24-048	Lane		
24-093	Lewis		
24-080	Gingerich		
24-112	Harrelson		
24-064	Beal		
24-052	Fletcher		
24-078	Gingerich		
24-050	Fletcher		
24-075	L. Graber		
24-095	Lewis		
24-005	Newton		
24-088	Proffitt		
24-027	Phillips		
24-035	Martin		
24-040	Turner		
24-055	Weeks		
24-116	Chastain		
24-043	Bruner		
24-099	Mullins		
24-046	Lane		
24-041	Turner		

Lot	Consignor	Price	Buyer
24-096	Lewis		
24-089	Proffitt		
24-094	Lewis		
24-012	Coplen		
24-085	Greenstone		
24-023	Stumpff		
24-092	Brabham		
24-110	Harrelson		
24-011	Coplen		
24-013	Coplen		
24-063	Reed		
24-028	Phillips		
24-065	Beal		
24-098	Mullins		
24-100	Childress		
24-107	MSU		
24-010	Wright		
24-068	Hoss		
24-036	Martin		
24-105	Anderson		
24-045	Bruner		
24-069	Hoss		
24-007	Wright		
24-067	Beal		
24-108	MSU		
24-066	Beal		
24-111	Harrelson		
24-017	Fahrmeier		