

NC State

Katahdin Production Sale

Online Auction at

<https://www.wlivestock.com/auction/13451>

Tuesday, August 24th from 8 am - 8 pm



Top 5%
Post-Weaning
Weight

Top 4% Post
Weaning Weight



Selling 6 spring born ram lambs

All rams are enrolled in the National Sheep Improvement Program and have Estimated Breeding Values (EBVs)

Contact Information:

Nicolette Wolf, SREU Manager (707) 888-7647

Andrew Weaver, Small Ruminant Specialist (989) 708-2557

Dr. Andrew Weaver
Extension Small Ruminant Specialist
Department of Animal Science
Campus Box 7621
Raleigh, NC 27695
Phone: 989/708-2557
Email: arweave3@ncsu.edu

Dear Small Ruminant Producers,

Thank you for your interest in the North Carolina State University Katahdin Production Sale. These are exciting times for the small ruminant program at NC State. We have made investments to grow the Katahdin flock and expand our teaching, research, and extension reach. This fall, we have a select group of ram lambs to be offered for sale. I would like to invite you to our first online Katahdin Production Sale.

The sale will be held **online** at wlivestock.com. The sale page can be reached at <https://www.wlivestock.com/auction/13451>. Bidding opens at 8 am on August 24, 2021. Bidding closes at 8 pm on August 24, 2021 with a racehorse finish. This means the sale will continue until there have been no bids placed for 5 minutes. The sale may continue past 8 pm.

This sale has been organized by the students at the Small Ruminant Educational Unit with oversight from Small Ruminant Educational Unit Manager, Nicolette Wolf, and faculty liaison, Dr. Andrew Weaver. Proceeds from this sale will go towards small ruminant programs at NC State. I would like to personally thank the students and Nicolette for their efforts on this sale.

Please contact us with any questions. Rams can be picked up after the sale at the Small Ruminant Educational Unit in Raleigh. Please contact us for additional delivery options. Nicolette Wolf can be reached at (707) 888-7647 or newolf@ncsu.edu. Dr. Andrew Weaver can be reached at (989) 708-2557 or arweave3@ncsu.edu. If you would like to view the rams in-person, an appointment can be arranged.

Sincerely,

Andrew Weaver

Dr. Andrew Weaver

Estimated Breeding Value and Codon 171 Definitions

Dr. Andrew Weaver, NCSU Small Ruminant Specialist

Codon 171

Genetic resistance to Scrapie disease

Genotypes:

RR- resistant to developing Scrapie

QR- resistant to developing Scrapie but can pass Q allele to offspring

QQ- susceptible to developing Scrapie if exposed to infectious agent (prion)

EBV definitions:

Mwwt: Maternal weaning weight is a predictor of ewe mothering ability and milk production. Higher values generally indicate greater milk production.

Wwt: Weaning weight estimates genetic growth potential to weaning (~60 days of age). Higher values indicate greater pre-weaning growth and heavier weights at weaning.

Pwwt: Post-weaning weight estimates genetic growth potential to approximately 120 days of age. Higher values indicate improved growth potential from birth to 120 days of age.

Wec: Weaning fecal egg count estimates parasite resistance at weaning. Expressed as a percent change. Lower values indicate greater parasite resistance.

Pwec: Post-weaning fecal egg count estimates parasite resistance at approximately 120 days of age. Expressed as a percent change. Lower values indicate greater parasite resistance.

NLB: Number of lambs born estimates prolificacy. Expressed as the predicted number of additional lambs born per 100 lambing events. Higher values are generally better.

NLW: Number of lambs weaned estimates genetic potential to wean lambs. Combines prolificacy and lamb survival. Expressed as the predicted number of additional lambs weaned per 100 lambing events. Higher values are generally better.

PFAT: Post-weaning fat is a predictor of 12th rib backfat at approximately 120 days of age. Lower values indicate less fat and greater trimness.

PEMD: Post-weaning eye muscle depth is a predictor of muscling at approximately 120 days of age. Greater values indicate greater eye muscle (longissimus dorsi) size.

Carcass+ Index: Predictor of carcass value. Combines weaning weight, post-weaning weight, eye muscle depth and fat thickness.

Hair Index: Predictor of weight of lamb weaned per ewe lambing. Combines lamb weaning weight, maternal weaning weight, number of lambs born and number of lambs weaned.

Remember these are EBVs, not expected progeny differences (EPD). To calculate EPD, simply divide EBV by 2. One-half of an individual's genetic merit (EBV) is passed to offspring (EPD).

Katahdin Percentile Report

July 2021

2020-2021 born lambs with genetic linkages

Percentile	BWT	MWWT	WWT	PWWT	PFAT	PEMD	WFEC	PFEC	PSC	NLB	NLW	US Hair Index	YWT	HWT	MBWT	SRC\$ Index
100	1.02	2.24	4.75	8.92	-1.65	2.10	-100.46	-114.27	0.00	0.42	0.37	116.57	9.29	0.00	0.69	138.75
99	0.68	1.60	3.54	6.43	-1.24	1.35	-98.78	-100.00	0.00	0.27	0.26	111.93	6.45	0.00	0.47	128.26
98	0.62	1.46	3.28	5.98	-1.19	1.17	-97.28	-99.83	0.00	0.26	0.24	111.06	5.86	0.00	0.39	126.45
97	0.58	1.37	3.17	5.69	-1.11	1.02	-95.23	-99.60	0.00	0.24	0.23	110.63	5.57	0.00	0.36	125.35
96	0.55	1.29	3.06	5.49	-1.02	0.88	-93.83	-99.22	0.00	0.23	0.22	110.33	5.37	0.00	0.34	124.39
95	0.53	1.24	2.95	5.32	-0.96	0.80	-92.06	-98.76	0.00	0.22	0.21	110.02	5.18	0.00	0.33	123.73
90	0.46	1.02	2.66	4.75	-0.81	0.47	-84.44	-95.58	0.00	0.19	0.19	108.84	4.51	0.00	0.27	121.41
85	0.41	0.90	2.47	4.34	-0.69	0.29	-76.44	-90.99	0.00	0.17	0.17	108.09	4.02	0.00	0.22	119.81
80	0.37	0.79	2.29	4.02	-0.62	0.11	-69.19	-86.30	0.00	0.16	0.16	107.55	3.60	0.00	0.18	118.55
75	0.34	0.69	2.14	3.73	-0.55	0.00	-61.94	-81.80	0.00	0.14	0.15	107.11	3.26	0.00	0.15	117.53
70	0.30	0.60	2.00	3.48	-0.50	0.00	-54.86	-74.75	0.00	0.13	0.14	106.67	2.94	0.00	0.12	116.64
60	0.25	0.44	1.74	2.97	-0.39	0.00	-43.60	-62.01	0.00	0.11	0.12	105.91	2.31	0.00	0.06	114.82
50	0.20	0.30	1.51	2.49	-0.28	-0.10	-30.43	-48.94	0.00	0.09	0.11	105.13	1.61	0.00	0.00	113.04
40	0.16	0.14	1.25	2.02	-0.12	-0.30	-18.44	-34.78	0.00	0.07	0.09	104.45	0.83	0.00	-0.01	111.27
30	0.10	0.00	1.00	1.52	0.00	-0.46	-3.70	-16.53	0.00	0.05	0.08	103.59	0.00	0.00	-0.07	109.55
20	0.04	-0.01	0.68	0.97	0.00	-0.68	3.64	0.00	0.00	0.03	0.06	102.64	0.00	0.00	-0.12	107.51
10	-0.02	-0.29	0.28	0.12	0.14	-0.92	29.64	34.45	0.00	-0.01	0.03	101.34	0.00	0.00	-0.21	104.80
0	-0.43	-1.65	-2.18	-4.67	2.29	-2.06	435.03	958.19	0.00	-0.19	-0.09	95.21	-5.14	0.00	-0.91	79.10
Units	kg	kg	kg	kg	mm	mm	%	%	cm	%	%		kg	kg	kg	
Number of Lambs	8328	8328	8328	8328	2362	2362	4910	4910	0	7992	7992	8328	8328	0	8328	8313

NSIP Searchable Database

- Find breeding stock with EBVs
- Percentile reports located on the searchable database website under “Reports”

<http://nsipsearch.nsip.org/#!/search>

NC STATE KATAHDIN PRODUCTION SALE

HELD AT WLIVESTOCK.COM

NCSU Online Katahdin Production Sale ~ August 24th. ~ NC

08/24/2021

Consignors

Luke Wechter (Sales Rep)

Email Address: luke@wlivestock.com

Phone Number: 260-215-3261

NCSU ~ Andrew Weaver

Email Address: arweave3@ncsu.edu

Phone Number: (989) 708-2557

Nicolette Wolf

Email Address: newolf@ncsu.edu

Phone Number: (707)-888-7647

20-053



Lot Details

Offering: Ram Lamb

Tag: NCS 20-053

Sex: Ram

Date of Birth: 02/05/2021

Breed: 75% Katahdin

Registration Number: X 173654

Sire: WRI 20129

Dam: NCS 18114

Blood Work: QR

Delivery Options: Rams can be picked up at the NCSU Small Ruminant Educational Unit in Raleigh. For additional delivery options and to arrange pickup, contact Nicolette or Dr. Weaver

Birth Type: Tw

Location of Animals: NCSU Small Ruminant Unit, Raleigh, NC

Sale Contact: Nicolette Wolf: newolf@ncsu.edu (707)-888-7647, Dr. Andrew Weaver: arweave3@ncsu.edu (989)708-2557

Website: Pedigree and Estimated Breeding Values HERE: <http://nsipsearch.nsip.org/#!/details/6402382021NCS053>

Note: Current Weight: 144 Dam Production Year 1: 2 born 2 raised Dam Production Year 2: 2 born 2 raised Dam Production Year 3: 2 born 2 raised Hoof color: Black WWT (weaning weight): 2.9 PWWT (post-weaning weight): 5.5 WFEC (weaning fecal egg count): -52 PFEC (post-weaning fecal egg count): -55 Hair Index: 106.5 This ram is in the top 10% of the breed for WWT and top 5% for PWWT

20-045

Lot Details



Offering: Ram Lamb
Tag: NCS 20-045
Sex: Ram
Date of Birth: 02/03/2021
Breed: 87.5% Katahdin
Registration Number: X 173650
Sire: USD 19226
Dam: NCS 17091
Blood Work: RR
Delivery Options: Rams can be picked up at the NCSU Small Ruminant Educational Unit in Raleigh. For additional delivery options and to arrange pickup, contact Nicolette or Dr. Weaver
Birth Type: Tw
Location of Animals: NCSU Small Ruminant Unit, Raleigh, NC
Sale Contact: Nicolette Wolf: newolf@ncsu.edu (707)-888-7647, Dr. Andrew Weaver: arweave3@ncsu.edu (989)708-2557
Website: Pedigree and Estimated Breeding Values HERE: <http://nspisearch.nsip.org/#!/details/6402382021NCS045>
Note: Current Weight: 145 Dam Production Year 1: 2 born 1 raised Dam Production Year 2: 2 born 2 raised Dam Production Year 3: 2 born 2 raised Hoof color: Black WWT (weaning weight): 2.8 PWWT (post-weaning weight): 5.8 WFEC (weaning fecal egg count): -1 PFEC (post-weaning fecal egg count): -13 Hair Index: 104.7 This is a fully shed out 87.5% ram who is in the top 10% of the breed for WWT and in the top 4% for PWWT. He is also RR at Codon 171. He will be eligible for full registration at a year of age.

20-051



Lot Details

Offering: Ram Lamb
Tag: NCS 20-051
Sex: Ram
Date of Birth: 02/05/2021
Breed: 75% Katahdin
Registration Number: X 173653
Sire: WRI 20129
Dam: NCS 18113
Blood Work: QR
Delivery Options: Rams can be picked up at the NCSU Small Ruminant Educational Unit in Raleigh. For additional delivery options and to arrange pickup, contact Nicolette or Dr. Weaver
Birth Type: Tr
Location of Animals: NCSU Small Ruminant Unit, Raleigh, NC

Sale Contact: Nicolette Wolf: newolf@ncsu.edu
(707)-888-7647, Dr. Andrew Weaver: arweave3@ncsu.edu
(989)708-2557

Website: Pedigree and Estimated Breeding Values HERE:
<http://nsipsearch.nsip.org/#!/details/6402382021NCS051>

Note: Current Weight : 124 Dam Production Year 1: 1 born 1 raised Dam Production Year 2: 3 born 2 raised WWT (weaning weight): 2.5 PWWT (post-weaning weight): 3.9 WFEC (weaning fecal egg count): -42 PFEC (post-weaning fecal egg count): -24 Hair Index: 107.1 This ram is in the top 15% of the breed for WWT and he has the highest Index of all the rams in this sale.

20-038



Lot Details

Offering: Ram Lamb

Tag: NCS 20-038

Sex: Ram

Date of Birth: 01/28/2021

Breed: 87.5% Katahdin

Registration Number: X 173647

Sire: WRI 20129

Dam: NCS 18121

Blood Work: RR

Delivery Options: Rams can be picked up at the NCSU Small Ruminant Educational Unit in Raleigh. For additional delivery options and to arrange pickup, contact Nicolette or Dr. Weaver

Birth Type: Tw

Location of Animals: NCSU Small Ruminant Unit, Raleigh, NC

Sale Contact: Nicolette Wolf: newolf@ncsu.edu
(707)-888-7647, Dr. Andrew Weaver: arweave3@ncsu.edu
(989)708-2557

Website: Pedigree and Estimated Breeding Values HERE:
<http://nsipsearch.nsip.org/#!/details/6402382021NCS038>

Note: Current Weight: 115 Dam Production Year 1: 1 born 1 raised Dam Production Year 2: 2 born 2 raised Hoof color: Black WWT (weaning weight): 1.9 PWWT (post-weaning weight): 2.9 WFEC (weaning fecal egg count): -34 PFEC (post-weaning fecal egg count): -5 Hair Index: 106.2 This is a fully shed out 87.5% ram. He is also RR at Codon 171. He will be eligible for full registration at a year of age.

20-048

Lot Details

Offering: Ram Lamb

Tag: NCS 20-048

Sex: Ram



Date of Birth: 02/03/2021

Breed: 75% Katahdin

Registration Number: X 173652

Sire: WRI 20129

Dam: NCS 18092

Blood Work: RR

Delivery Options: Rams can be picked up at the NCSU Small Ruminant Educational Unit in Raleigh. For additional delivery options and to arrange pickup, contact Nicolette or Dr. Weaver

Birth Type: Tw

Sale Contact: Nicolette Wolf: newolf@ncsu.edu

(707)-888-7647, Dr. Andrew Weaver: arweave3@ncsu.edu (989)708-2557

Website: Pedigree and Estimated Breeding Values HERE: <http://nsipsearch.nsip.org/#!/details/6402382021NCS048>

Note: Current Weight: 103 Dam Production Year 1: 1 born 1 raised Dam Production Year 2: 2 born 2 raised Hoof color: Black WWT (weaning weight): 1.6 PWWT (post-weaning weight): 2.8 WFEC (weaning fecal egg count): -53 PFEC (post-weaning fecal egg count): -54 Hair Index: 105.2

20-060



Lot Details

Offering: Ram Lamb

Tag: NCS 20-060

Sex: Ram

Date of Birth: 02/07/2021

Breed: 87.5 Katahdin

Registration Number: X 173659

Sire: WRI 20129

Dam: NCS 18120

Blood Work: QR

Delivery Options: Rams can be picked up at the NCSU Small Ruminant Educational Unit in Raleigh. For additional delivery options and to arrange pickup, contact Nicolette or Dr. Weaver

Birth Type: Tw

Location of Animals: NCSU Small Ruminant Unit, Raleigh, NC

Sale Contact: Nicolette Wolf: newolf@ncsu.edu

(707)-888-7647, Dr. Andrew Weaver: arweave3@ncsu.edu (989)708-2557

Website: Pedigree and Estimated Breeding Values HERE: <http://nsipsearch.nsip.org/#!/details/6402382021NCS060>

Note: Current Weight: 113 Dam Production Year 1: 1 born 1

raised Dam Production Year 2: 2 born 2 raised Hoof color:
Black WWT (weaning weight): 1.8 PWWT (post-weaning
weight): 2.8 WFEC (weaning fecal egg count): -14 PFEC
(post-weaning fecal egg count): +26 Hair Index: 105.8 This is
a fully shed-out 87.5% ram. He will be eligible for full
registration at a year of age.