

USDA-Agricultural Research Service Dale Bumpers Small Farms Research Center Premium Breeding Stock Katahdin Sale

Bids due July 9th, 2020 at 12:00 Noon Central



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Conditions & Terms of Sale

This sale opportunity has ewe and ram lambs as well as mature rams for sale (and possible late entry mature ewes).
Buyer will bid on a single animal Lot.

Bids must be greater than or equal to the floor price set on each Lot (\$300 for rams and pregnant ewes; all others \$250 each unless otherwise noted). Indicate top dollar willing to bid so that a competitive bid can occur. If more than one bidder places bid, bid will increase by \$5 increments until top bid amount is reached. If only one bid is placed on a lot, the lot will be sold at the floor price for that lot.

Seller reserves the right to remove a Lot. ****Should the buyer desire USDA to consider a Lot bid *ONLY IF* they fail to win (outbid) another lot #; then the buyer may check mark the statement on the Lot Bid Sheet and identify the Lot #(s) that take precedence.****

Bid Submission – Bids can be submitted anytime but **MUST** be received **no later than 12:00 Noon Central July 9th, 2020** by ANY of the following methods:

- Email – erinl.wood@usda.gov or jennifer.keatts@usda.gov
- Phone – Erin Wood 479-849-5610 or Jennifer Keatts 479-322-1530
- Mail – Premier Sheep Sale Dale Bumpers Small Farms Res Center, 6883 S. State Hwy 23, Booneville, AR 72927. **If submitting by mail please mail no later than June 25th and call Jennifer or Erin to let them know it is on the way. Bidder will be contacted to confirm bid was received.**

All sheep are to be sold as-is. All animals are at purchaser's risk as soon as sold. Buyers shall rely entirely on their own inspection and information. The seller reserves the right to remove any animal for health or soundness reasons from the sale at any time until they are loaded on the buyer's transport. **Seller retains right to accept/reject any bid after the close of bidding but prior to the animal(s) being loaded onto buyer's transport.**

Employees of the USDA, ARS, Dale Bumpers Small Farms Research Center and their immediate families are NOT allowed to participate in this sale.

Out-of-state buyers should contact their State Veterinarian before bidding to determine any testing requirements imposed by a buyer's home state. To provide interstate health papers we will need the mailing address of the destination of purchased sheep and the carrier's name, address and telephone number.

Payment by the buyer will be due prior to the pickup of animals by a check payment or cashier's check made payable to:
 USDA, ARS, DBSFRC
 6883 S. State Hwy 23
 Booneville, AR 72927

These terms and conditions of sale are a contract between buyer and seller. Each sale of an animal is a separate transaction. No person or organization associated with the sale assumes any liability, legal or otherwise.

Animal Viewing

Due to Covid-19, animal viewing will be ONLY be done virtually using a mutually agreed upon platform (i.e. FaceTime, Samsung video, Messenger).

Call Chad Lee 479-206-1224 or Erin Wood 479-849-5610 to set up a virtual viewing appointment.

Animal Pickup

Animals must be picked up, no later than July 23rd, 2020 by close of business (3:30PM) or at a time/date mutually agreeable between both Buyer/Seller.

Buyer is responsible for animal pick up and will be contacted to arrange a date and time shortly after the sale has concluded. Pickup location will be at the South Logan County Fairgrounds in Booneville, AR. Buyer will inspect the animals and return to their vehicle, at which time the seller will load the animals onto the buyer's truck/trailer. Once animal(s) are loaded, it is buyer's responsibility to check gate/enclosure to ensure loaded animal(s) are properly secured before transport.

Late Animal Entries

A small number of mature ewes that have been exposed to a ram but are NOT considered pregnant may be added to the sale at a later date (around July 7th). Check the website for catalog updates and additions.

<https://www.ars.usda.gov/southeast-area/booneville-ar/dale-bumpers-small-farms-research-center/>

Pictures in this catalog were taken mid-May 2020 while animals are in the process of shedding. Animal and/or hair coat may have changed by date of sale contact Chad Lee or Erin Wood if you have a question about a specific lot's current condition.

Three upgrading/hair coat inspection changes as of last week.

- a) The dam of a % ram no longer needs inspection for the ram to qualify. Only ram needs to be inspected.
- b) Sheep born before Nov 1 can be inspected the following season before a year of age. (no longer have to be year of age)
- c) Sheep can be inspected from Mar 1 to Sept 30. (used to by May 1).

These changes MAY affect Lots 11, 12, 16, 17, 18, and 25. If these animals are eligible (hair coat score A or B) at the time of registration transfer, animal will be upgraded.

Mature Rams & Fall Born Ram Lambs

Lot #1

FLOOR PRICE:
\$300

ID: USD18053
NSIP #: 6400612018USD053
DOB: 1/18/18
SIRE ID: USD17080
DAM ID: USD15044
Genotype: QR
Birth/Rear Type: 2/2
Hoof Color: Black
Recent Wt (lb): 163
Registerable: Yes

EBVs
WWT: 0.80
PWWT: 0.71
WFEC: -83.77
PFEC: -92.65
NLB: 0.02
NLW: 0.08
MWWT: -0.01
INDEX: 103.15

Genetic Highlights (what you can expect from offspring):

Great parasite resistance. Proven sire.



Lot #2

FLOOR PRICE:
\$300

ID: USD18054
NSIP #: 6400612018USD054
DOB: 1/18/18
SIRE ID: USD17080
DAM ID: USD15044
Genotype: QR
Birth/Rear Type: 2/2
Hoof Color: White
Recent Wt (lb): 161
Registerable: Yes

EBVs
WWT: 0.22
PWWT: -0.40
WFEC: -85.89
PFEC: -95.68
NLB: 0.04
NLW: 0.09
MWWT: 0.03
INDEX: 103.43

Genetic Highlights (what you can expect from offspring):

Great parasite resistance.



Lot #3

FLOOR PRICE:
\$300

ID: USD18306
NSIP #: 6400612018USD306
DOB: 11/14/18
SIRE ID: USD17036
DAM ID: LEA1502
Genotype: RR
Birth/Rear Type: 3/0
Hoof Color: Black
Recent Wt (lb): 105
Registerable: Yes

EBVs
WWT: 1.22
PWWT: 1.40
WFEC: -61.77
PFEC: -75.92
NLB: 0.09
NLW: 0.16
MWWT: 0.91
INDEX: 108.4

Genetic Highlights (what you can expect from offspring):

Well balanced sire with great maternal traits and good parasite resistance.



Lot #4

FLOOR PRICE:
\$300

ID: USD18318
NSIP #: 6400612018USD318
DOB: 11/19/18
SIRE ID: BCE836-33
DAM ID: USD15011
Genotype: QR
Birth/Rear Type: 2/2
Hoof Color: Black
Recent Wt (lb): 147
Registerable: Yes

Genetic Highlights (what you can expect from offspring):

NSIP Stud Certified. Top 99th percentile for maternal milk and growth!

EBVs
WWT: 2.44
PWWT: 4.44
WFEC: -48.76
PFEC: -74.48
NLB: 0.07
NLW: 0.14
MWWT: 1.69
INDEX: 109.75



Lot #5

FLOOR PRICE:
\$300

ID: USD18327
NSIP #: 6400612018USD327
DOB: 11/21/18
SIRE ID: BCE836-33
DAM ID: USD16135
Genotype: RR
Birth/Rear Type: 2/2
Hoof Color: Black
Recent Wt (lb): 169
Registerable: Yes

Genetic Highlights (what you can expect from offspring):

NSIP Stud Certified. Top 95th percentile for growth and top 98th percentile for maternal milk.

EBVs
WWT: 3.28
PWWT: 6.44
WFEC: -61.23
PFEC: -79.32
NLB: 0.13
NLW: 0.16
MWWT: 1.59
INDEX: 110.46



Lot #6

FLOOR PRICE:
\$300

ID: USD19021
NSIP #: 6400612019USD021
DOB: 1/11/19
SIRE ID: BCE836-33
DAM ID: USD17028
Genotype: QR
Birth/Rear Type: 3/0
Hoof Color: Black
Recent Wt (lb): 112
Registerable: Yes

Genetic Highlights (what you can expect from offspring):

NSIP Stud Certified. Top 95th percentile for maternal milk and good parasite resistance.

EBVs
WWT: 1.99
PWWT: 3.37
WFEC: -71.4
PFEC: -90.95
NLB: 0.09
NLW: 0.13
MWWT: 1.37
INDEX: 108.4



Lot #7

FLOOR PRICE:
\$300

ID: USD19083
NSIP #: 6400612019USD083
DOB: 1/30/19
SIRE ID: BCE836-33
DAM ID: USD17134
Genotype: RR
Birth/Rear Type: 1/1
Hoof Color: Black
Recent Wt (lb): 135
Registerable: Yes

EBVs
WWT: 2.27
PWWT: 4.01
WFEC: -80.35
PFEC: -96.28
NLB: 0.03
NLW: 0.06
MWWT: 1.42
INDEX: 105.87

Genetic Highlights (what you can expect from offspring):

Top 90th percentile for post-weaning parasite resistance and top 97th percentile for maternal milk and growth.



Lot #8

FLOOR PRICE:
\$300

ID: USD19110
NSIP #: 6400612019USD110
DOB: 2/17/19
SIRE ID: USD18015
DAM ID: USD18096
Genotype: QR
Birth/Rear Type: 1/1
Hoof Color: Black/White
Recent Wt (lb): 131
Registerable: Yes

EBVs
WWT: 1.42
PWWT: 3.15
WFEC: -71.75
PFEC: -91.56
NLB: 0.04
NLW: 0.03
MWWT: 0.72
INDEX: 103.07

Genetic Highlights (what you can expect from offspring):

Well balanced sire with great maternal traits and good parasite resistance.



Lot #9

FLOOR PRICE:
\$300

ID: USD19120
NSIP #: 6400612019USD120
DOB: 10/07/19
SIRE ID: NWT18036
DAM ID: USD16016
Genotype: QR
Birth/Rear Type: 2/2
Hoof Color: Black
Recent Wt (lb): 91
Registerable: Yes

EBVs
WWT: 1.51
PWWT: 2.69
WFEC: -80.84
PFEC: -98.19
NLB: 0.11
NLW: 0.13
MWWT: 1.24
INDEX: 107.83

Genetic Highlights (what you can expect from offspring):

NSIP Stud Certified. Top 98th percentile for post-weaning parasite resistance and top 95th percentile for maternal milk.



Lot #10

FLOOR PRICE:
\$300

ID: USD19134
NSIP #: 6400612019USD134
DOB: 10/09/19
SIRE ID: BCE836-33
DAM ID: USD14076
Genotype: QR
Birth/Rear Type: 2/2
Hoof Color: Black
Recent Wt (lb): 110
Registerable: Yes

EBVs
WWT: 2.08
PWWT: 4.75
WFEC: -72.91
PFEC: -91.71
NLB: 0.06
NLW: 0.06
MWWT: 1.38
INDEX: 105.61

Genetic Highlights (what you can expect from offspring):

Well balanced sire with good parasite resistance and top 97th percentile for maternal milk.



Lot #11

FLOOR PRICE:
\$300

ID: USD19185
NSIP #: 6400612019USD185
DOB: 10/14/19
SIRE ID: USD18084
DAM ID: USD15025
Genotype: QR
Birth/Rear Type: 2/2
Hoof Color: Black
Recent Wt (lb): 118
Registerable: 93.75%*

EBVs
WWT: 1.88
PWWT: 3.31
WFEC: -78.24
PFEC: -96.67
NLB: 0.17
NLW: 0.10
MWWT: 0.73
INDEX: 105.72

Genetic Highlights (what you can expect from offspring):

NSIP Maternal Certified! Well balanced traits with excellent parasite resistance (top 5% post-weaning).



Lot #12

FLOOR PRICE:
\$300

ID: USD19226
NSIP #: 6400612019USD226
DOB: 10/22/19
SIRE ID: NWT18036
DAM ID: USD15011
Genotype: RR
Birth/Rear Type: 1/1
Hoof Color: Black
Recent Wt (lb): 119
Registerable: 87.5%*

EBVs
WWT: 2.76
PWWT: 5.20
WFEC: -73.90
PFEC: -90.69
NLB: 0.11
NLW: 0.17
MWWT: 1.34
INDEX: 110.11

Genetic Highlights (what you can expect from offspring):

NSIP Stud Certified. Top 5% in maternal milk, weaning and post-weaning growth with very good parasite resistance.



Lot #13

FLOOR PRICE:
\$300

ID: USD19237
NSIP #: 6400612019USD237
DOB: 10/24/19
SIRE ID: BCE836-33
DAM ID: LEA1514
Genotype: QR
Birth/Rear Type: 2/1
Hoof Color: Black/White
Recent Wt (lb): 88
Registerable: Yes

EBVs
WWT: 1.89
PWWT: 3.88
WFEC: -53.87
PFEC: -60.81
NLB: 0.11
NLW: 0.14
MWWT: 1.14
INDEX: 108.45

Genetic Highlights (what you can expect from offspring):

NSIP Stud Certified. Top 10% for maternal milk and very nicely balanced traits.



Lot #14

FLOOR PRICE:
\$300

ID: USD19298
NSIP #: 6400612019USD298
DOB: 11/06/19
SIRE ID: USD18053
DAM ID: USD18095
Genotype: QR
Birth/Rear Type: 1/1
Hoof Color: White
Recent Wt (lb): 97
Registerable: Yes

EBVs
WWT: 1.72
PWWT: 2.76
WFEC: -82.44
PFEC: -94.16
NLB: -0.04
NLW: 0.04
MWWT: 0.70
INDEX: 103.70

Genetic Highlights (what you can expect from offspring):

Nicely balanced traits with very good parasite resistance.



*Ram lambs that are 87.5 % or more will be hair coat inspected when registration papers are submitted for transfer to buyer. If ram is scored an A or B they will be upgraded to 100% at that time.

Fall Born Ewe Lambs

Lot #15

FLOOR PRICE:
\$250

ID: USD19125
NSIP #: 6400612019USD125
DOB: 10/8/19
SIRE ID: USD18053
DAM ID: USD16036
Genotype: QR
Birth/Rear Type: 2/2
Hoof Color: Black
Recent Wt (lb): 79
Registerable: 75%-Recordable NOT Registrable

EBVs
WWT: -0.25
PWWT: -1.10
WFEC: 33.41
PFEC: 28.86
NLB: 0.07
NLW: 0.15
MWWT: -0.27
INDEX: 105.10

Genetic Highlights (what you can expect from offspring):

Good prolificacy



Lot #16

FLOOR PRICE:
\$250

ID: USD19146
NSIP #: 6400612019USD146
DOB: 10/10/19
SIRE ID: USD18084
DAM ID: BUL14042
Genotype: RR
Birth/Rear Type: 3/3
Hoof Color: Black
Recent Wt (lb): 84
Registerable: 93.75%*

EBVs
WWT: 1.37
PWWT: 2.94
WFEC: 25.35
PFEC: -12.76
NLB: 0.18
NLW: 0.18
MWWT: 0.71
INDEX: 108.42

Genetic Highlights (what you can expect from offspring):

Nicely balanced traits.



Lot #17

FLOOR PRICE:
\$250

ID: USD19160
NSIP #: 6400612019USD160
DOB: 10/11/19
SIRE ID: USD18084
DAM ID: USD16070
Genotype: RR
Birth/Rear Type: 2/2
Hoof Color: Black
Recent Wt (lb): 88
Registerable: 93.75%*

EBVs
WWT: 0.04
PWWT: -0.63
WFEC: -93.28
PFEC: -100
NLB: 0.05
NLW: 0.06
MWWT: 0.9
INDEX: 104.11

Genetic Highlights (what you can expect from offspring):

Top 1% for post-weaning parasite resistance.



Lot #18

FLOOR PRICE:
\$250

ID: USD19181
NSIP #: 6400612019USD181
DOB: 10/13/19
SIRE ID: BCE836-33
DAM ID: USD16164
Genotype: RR
Birth/Rear Type: 3/3
Hoof Color: Black
Recent Wt (lb): 89
Registerable: 87.5%*

EBVs
WWT: 2.08
PWWT: 4.28
WFEC: 0.03
PFEC: -32.22
NLB: 0.14
NLW: 0.17
MWWT: 0.98
INDEX: 109.2

Genetic Highlights (what you can expect from offspring):

Great maternal traits and good growth.



Lot #19

FLOOR PRICE:
\$250

ID: USD19192
NSIP #: 6400612019USD192
DOB: 10/14/19
SIRE ID: USD18015
DAM ID: USD17079
Genotype: QR
Birth/Rear Type: 2/2
Hoof Color: White
Recent Wt (lb): 97
Registerable: 75%-Recordable NOT Registrable

EBVs
WWT: 0.53
PWWT: 1.63
WFEC: -95.17
PFEC: -100
NLB: 0.09
NLW: 0.12
MWWT: 0.55
INDEX: 105.81

Genetic Highlights (what you can expect from offspring):

Top 1% for post-weaning parasite resistance.



Lot #20

FLOOR PRICE:
\$250

ID: USD19201
NSIP #: 6400612019USD201
DOB: 10/16/19
SIRE ID: NWT18036
DAM ID: USD18083
Genotype: RR
Birth/Rear Type: 1/1
Hoof Color: Black
Recent Wt (lb): 90
Registerable: Yes

EBVs
WWT: 1.92
PWWT: 3.88
WFEC: -61.29
PFEC: -88.3
NLB: 0.15
NLW: 0.13
MWWT: 1.02
INDEX: 107.42

Genetic Highlights (what you can expect from offspring):

Nicely balanced ewe.



Lot #21

FLOOR PRICE:
\$250

ID: USD19223
NSIP #: 6400612019USD223
DOB: 10/22/19
SIRE ID: BCE836-33
DAM ID: USD14395
Genotype: RR
Birth/Rear Type: 1/1
Hoof Color: White
Recent Wt (lb): 99
Registerable: 75%-Recordable NOT Registrable

Genetic Highlights (what you can expect from offspring):

Well balanced ewe with excellent growth.

EBVs
WWT: 2.32
PWWT: 4.29
WFEC: -51.76
PFEC: -74.39
NLB: 0.04
NLW: 0.10
MWWT: 1.19
INDEX: 107.3



Lot #22

FLOOR PRICE:
\$250

ID: USD19225
NSIP #: 6400612019USD225
DOB: 10/22/19
SIRE ID: USD18015
DAM ID: USD2137
Genotype: QR
Birth/Rear Type: 2/2
Hoof Color: White
Recent Wt (lb): 88
Registerable: Yes

Genetic Highlights (what you can expect from offspring):

Solid ewe with good parasite resistance.

EBVs
WWT: -0.09
PWWT: 0.05
WFEC: -66.78
PFEC: -90.93
NLB: 0.02
NLW: 0.10
MWWT: 0.29
INDEX: 104.4



Lot #23

FLOOR PRICE:
\$250

ID: USD19239
NSIP #: 6400612019USD239
DOB: 10/24/19
SIRE ID: BCE836-33
DAM ID: USD9166
Genotype: RR
Birth/Rear Type: 2/2
Hoof Color: Black
Recent Wt (lb): 96
Registerable: Yes

Genetic Highlights (what you can expect from offspring):

Excellent maternal traits and growth.

EBVs
WWT: 2.66
PWWT: 4.74
WFEC: -44.28
PFEC: -90.39
NLB: 0.11
NLW: 0.18
MWWT: 1.36
INDEX: 110.38



Lot #24

FLOOR PRICE:
\$250

ID: USD19256
NSIP #: 6400612019USD256
DOB: 10/28/19
SIRE ID: USD18015
DAM ID: LEA1508
Genotype: RR
Birth/Rear Type: 2/2
Hoof Color: Black/White
Recent Wt (lb): 100
Registerable: Yes

EBVs
WWT: 1.76
PWWT: 3.44
WFEC: -30.51
PFEC: -34.37
NLB: 0.05
NLW: 0.11
MWWT: 0.76
INDEX: 106.26

Genetic Highlights (what you can expect from offspring):

Nicely balanced ewe.



Lot #25

FLOOR PRICE:
\$250

ID: USD19265
NSIP #: 6400612019USD265
DOB: 10/30/19
SIRE ID: USD18084
DAM ID: LEA1722
Genotype: QR
Birth/Rear Type: 1/1
Hoof Color: White
Recent Wt (lb): 105
Registerable: 93.75%*

EBVs
WWT: 2.09
PWWT: 3.56
WFEC: -77.43
PFEC: -87.37
NLB: 0.08
NLW: 0.06
MWWT: 0.69
INDEX: 104.17

Genetic Highlights (what you can expect from offspring):

Well balanced ewe.



Lot #26

FLOOR PRICE:
\$250

ID: USD19267
NSIP #: 6400612019USD267
DOB: 10/30/19
SIRE ID: USD18084
DAM ID: USD18034
Genotype: RR
Birth/Rear Type: 1/1
Hoof Color: Black/White
Recent Wt (lb): 97
Registerable: 78%-Recordable NOT Registrable

EBVs
WWT: 1.82
PWWT: 2.87
WFEC: -63.11
PFEC: -81.4
NLB: 0.08
NLW: 0.07
MWWT: 1.32
INDEX: 106.1

Genetic Highlights (what you can expect from offspring):

Well balanced ewe.



*** Ewe lambs that are 87.5 % or more will be hair coat inspected when registration papers are submitted for transfer to buyer. If ewe is scored an A or B they will be upgraded to 100% at that time. Ewes below 87.5% Katahdin will be recorded and are NOT eligible for upgrade.**

Lot #	Tag	Floor price, \$	Buyer Max Bid Amt	By checking row (x) I request that you only consider the bid for this Lot # should I NOT be the highest bidder for Lot#____ (to be completed by bidder) or Lot #____ (enter more numbers if necessary). Bidder Initials next to x.		
EXAMPLE	Rams				Lot #	Lot # (if desired)
AA	USD55555	300	500			
BB	USD15555	300	455	X	AA	
CC	USD25555	300	455	X	AA	BB
Lot #	Mature Rams & Fall Born Ram Lambs	Floor price, \$	Buyer Max Bid Amt		Lot #	Lot # (if desired)
1	USD18053	300				
2	USD18054	300				
3	USD18306	300				
4	USD18318	300				
5	USD18327	300				
6	USD19021	300				
7	USD19083	300				
8	USD19110	300				
9	USD19120	300				
10	USD19134	300				
11	USD19185	300				
12	USD19226	300				
13	USD19237	300				
14	USD19298	300				
Lot #	Ewes	Floor price, \$	Buyer Max Bid Amt		Lot #	Lot # (if desired)
15	USD19125	250				
16	USD19146	250				
17	USD19160	250				
18	USD19181	250				
19	USD19192	250				
20	USD19201	250				
21	USD19223	250				
22	USD19225	250				
23	USD19239	250				
24	USD19256	250				
25	USD19265	250				
26	USD19267	250				

Please ensure you have double checked Lot numbers and desired bids

Bid Submitted By:

NAME:

Bidder Mailing Address:

Bidder Physical Address:

Bidder Phone Number:

Glossary of Terms

Registrations/recordation

Ewe lambs that are 87.5 % or more can be hair coat inspected for registration after one year of age if inspected with an A or B coat. Less than 87.5% can be recorded. Ram lambs that are 87.5 % or more can be hair coat inspected for registration after one year of age if inspected with an A or B coat, AND dam must be inspected with an A coat. Less than 87.5% can be recorded.

Hair Coat Definitions:

A- Completely sheds

B- Less than 25% of body does not shed

C- Greater than 25% of body does not shed

EBVs - Expected Breeding Values are provided by the National Sheep Improvement Program. The genetic evaluation is overseen by Dr Dave Notter at Virginia Tech. EBVs evaluate relative performance of animals raised in different flocks and different years. By evaluating relative performance and the use of advanced mathematical and statistical analyses, EBVs are more accurate at determining the relative genetic merit of animals. This helps breeders factor out the environmental differences including but not limited to nutrition, number born/reared, heat and humidity. EBVs are a more accurate estimate of genetic potential for growth than raw weights, adjusted weights and mature size.

Using EBVs - A simplified approach is that an animal with a value greater than zero is predicted by NSIP (which uses the standard genetic evaluation procedures used by all livestock species) to be above the breed average for that performance trait. Selecting animals with positive values for growth and milk traits will identify animals that are predicted to be above average for the breed for those traits (using the best technology available to the livestock industry). Selecting animals with a 0.0% Lamb Crop EBV predicts that they will pass on twinning genetics. In the Katahdin breed, a ewe with a 0.0% Lamb Crop EBV is predicted to have a 210% lamb crop/ litter as a mature ewe (3-6 years of age).

EBV Definitions:

Wwt - 60-Day Weaning Weight EBV provides an estimate of preweaning growth potential. (e.g. Sheep with a value of above 0.0 are predicted to be greater than the breed average). Provides an estimate of preweaning growth potential and will likely receive positive selection emphasis in most flocks.

PWwt - The 120-day Post weaning Weight EBV combines information on preweaning and post weaning growth to predict genetic merit for post weaning weight at 120 days. Positive selection on Post weaning Weight EBV is expected to favor rapid growth to typical market ages.

MWwt - Maternal Weaning Weight (MWwt) EBV estimates genetic merit for mothering ability. This EBV mainly reflects genetic differences in ewe milk production, but other aspects of maternal behavior may also be involved. The Maternal Weaning Weight EBV is derived by evaluating if individual ewes produce lambs that are heavier or lighter than expected based on the weaning weight EBVs of the parents. Ewes whose lambs grow faster than predicted are assumed to be better milk producers, whereas ewes whose lambs grow more slowly than predicted are assumed to produce less milk. Selection for high maternal milk EBVs is expected to improve milk production and mothering ability and considered to be important for maternal breeds.

NLB (%) - evaluates genetic potential for prolificacy. This EBV is expressed as numbers of lambs born per 100 ewes lambing. An EBV of +5.0 for Number of Lambs Born indicates that an animal is expected to produce daughters who will have an average of .05 more lambs at each lambing, or 5.0 more lambs per 100 lambings, than an average ewe. Selection on Number of Lambs Born EBV is expected to increase prolificacy in the flock. The Katahdin breed average in NSIP is 210%.

NLW (%) evaluates combined ewe effects on prolificacy and lamb survival to weaning. The NLW EBV is expressed as numbers of lambs weaned per 100 ewes lambing. An EBV of +5.0 for Number of Lambs Weaned indicates that an animal is expected to produce daughters who will wean an average of .05 more lambs at each lambing, or 5.0 more lambs per 100 lambings, than an average ewe. Selection on the Number of Lambs Weaned EBV is expected to increase weaning rates in the flock.

WFEC & PFEC D (weaning fecal egg count & post weaning fecal egg count) evaluates genetic merit for parasite resistance based on worm egg counts recorded at weaning or at early or late post weaning ages. Animals with low (negative) Worm Egg Count EBVs are expected to have greater parasite resistance, and selection to reduce Worm Egg Count EBVs is recommended in areas where internal parasites are a problem. Most research would suggest that post weaning WEC EBVs are the most useful genetic indicator of parasite resistance, but studies with Katahdin sheep in the USA have shown that weaning worm egg counts provide useful information on parasite resistance in young lambs. Weaning and post weaning Worm Egg Count EBVs are strongly, but not perfectly, correlated and so convey slightly different information on patterns of development of parasite resistance. However, post weaning Worm Egg Count EBVs are likely adequate for most selection and marketing purposes.

EPT or USA Maternal/Hair Index The Ewe Productivity Index (%) combines EBVs for NLW, NLB, WWT & MWwt into an index designed to maximize pounds of lambs weaned per ewe lambing.

**Katahdin Percentile Report
May 2020**



2019-2020 born lambs with genetic linkages

Percentile	BWT	MWWT	WWT	PWWT	PFAT	PEMD	WFEC	PFEC	PSC	NLB	NLW	USA Hair
100	1.12	2.19	5.34	11.34	-2.59	2.31	-100.00	-100.00	4.11	36.5	35.0	115.76
99	0.63	1.59	3.38	6.01	-1.49	1.61	99.02	-99.98	1.92	26.7	25.3	111.49
98	0.57	1.47	3.13	5.64	-1.20	1.37	-96.75	-99.95	1.66	24.5	23.6	110.34
97	0.54	1.39	2.99	5.37	-1.11	1.25	-95.17	-99.70	1.52	22.9	22.5	110.34
96	0.51	1.33	2.86	5.14	-1.04	1.13	-93.44	-99.25	1.36	22.0	21.5	110.00
95	0.49	1.27	2.78	4.95	-0.98	1.06	-91.60	-98.74	1.25	21.3	21.0	109.68
90	0.43	1.03	2.49	4.38	-0.79	0.68	-82.80	-94.68	0.82	18.3	18.8	108.60
85	0.39	0.90	2.27	4.00	-0.67	0.49	-75.15	-90.36	0.61	16.8	17.1	107.96
80	0.35	0.78	2.09	3.66	-0.59	0.31	-67.81	-84.24	0.50	15.1	15.7	107.37
75	0.31	0.69	1.95	3.38	-0.52	0.20	-61.68	-79.33	0.43	13.9	14.6	106.91
70	0.28	0.62	1.83	3.15	-0.44	0.08	-55.63	-73.61	0.36	12.7	13.8	106.54
60	0.23	0.46	1.35	2.69	-0.34	-0.09	-43.89	-63.55	0.26	10.7	12.0	105.74
50	0.19	0.30	1.35	2.27	-0.23	-0.26	-33.47	-52.14	0.17	8.8	10.4	104.99
40	0.13	0.15	1.10	1.85	-0.10	-0.43	-24.11	-40.04	0.09	7.1	8.8	104.30
30	0.08	0.01	0.85	1.36	0.03	-0.57	-12.17	-25.74	0.00	5.2	7.2	103.55
20	0.02	0.00	0.56	0.78	0.17	-0.75	2.87	-5.75	-0.09	3.0	5.4	102.58
10	-0.05	-0.26	0.17	0.03	0.38	-1.01	24.78	31.35	-0.27	-0.1	3.0	101.37
0	-0.43	-1.67	-1.85	-4.54	2.52	-3.41	607.95	745.14	-3.44	-16.0	-12.4	94.51
Units	kg	kg	kg	kg	mm	mm	%	%	cm	%	%	
Number of Lamb:	6,733	6,733	6,733	6,733	1,656	1,656	5,020	5,020	6,582	6,582	6,582	6,733