

# USDA-ARS Katahdin Sheep Bid Sheet

## April 18, 2019 12:00 Noon Central

This sale has ewe and ram lambs, and mature rams and ewes for sale. **Buyer will bid single animal Lot.** Bids must be greater than or equal to the floor price set on each Lot (\$300 for rams; all else, \$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 is reached. 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 buyer may check mark the statement on the Lot Bid Sheet and identify the Lot #(s) that take precedence.\*\**

Bid Submission – All Bids must be received no later than 12:00 Noon Central time by ANY of the following methods:

- Fax – 713-798-0307 Attn: Perry
- Email – [Perry.Rainosek@ars.usda.gov](mailto:Perry.Rainosek@ars.usda.gov)
- Drop off to Jennifer prior to Noon on April 18th at: Dale Bumper's Small Farms Res Center 6883 S. State Hwy 23, Booneville, AR

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 has the right to accept/reject any bid.

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

**Animals must be picked up, no later than April 19, 2019 by close of business (3:30PM) or at a time/date mutually agreeable between both Buyer/Seller.**

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.

## Notes



Rams USD17080 (recorded as 75%), USD18186, USD18272, USD18294, USD18301, NWT16080, and LEA1651 are certified NSIP Studs (Rank in top 15% for Katahdin Index and rank in top 10% for at least one trait (highlighted in spreadsheet)).



Rams USD17080, USD18144, USD18186, USD18268, USD18272, and USD18301 are Certified NSIP Maternal Sires (Rank in top 30% for NLB and MWWT).

### Registrations/recordingation

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.

All mature ewes are registered/recorded (indicated in description of individual animals). All mature rams except USD17093 are registered.

### Hair Coat Definitions:

A- Completely sheds

B- Less than 25% of body does not shed

C- Greater than 25% of body does not shed



### Estimated Breeding Values

**EBVs** - Estimated Breeding Values are provided by the National Sheep Improvement Program. The genetic evaluation is overseen by Sheep Genetics, Australia. 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 (or number of lambs born/NLB) 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 Postweaning Weight EBV combines information on preweaning and postweaning growth to predict genetic merit for postweaning weight at 120 days. Positive selection on Postweaning 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 0.05 (or +5.0% when multiplying by 100) 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 +0.05 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** – (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 correlated. Post-weaning Worm Egg Count EBVs are likely adequate for most selection and marketing purposes. -100 is considered the highest parasite resistance for the breed.

**PSC** – post-weaning scrotal circumference

**Index (EPT)** – The Ewe Productivity Index (%) combines EBVs for various traits into an index designed to maximize pounds of lambs weaned per ewe lambing.

Lot #	Tag	NSIP ID	Estimated Breeding Values and accuracies (see attachment for definitions)																				Birth type	Rear type	Recent lb	Floor price, \$	Registrable (all ewe lambs can be recorded)	Description	Scrapie Genotype	Hoof Color	Date of birth	Genetic highlights - what you can expect from offspring					
			WWT	AC_WWT	PWWT	AC_PWWT	WFEC	AC_WFEC	PFEC	AC_PFEC	PSC	AC_PSC	NLB	AC_NLB	NLW	AC_NLW	MWWT	AC_MWWT	INDEX																		
<b>Lambs</b>																																					
1	USD18268	6400612018USD268	1.1	60	2.0	64	-86.9	73	-92.8	78					0.20	38	0.14	35	0.9	42	107.2	3	2	50	300	Yes, 7/8		RR	Black	11/04/18	Certified NSIP Maternal Sire; Top 5% parasite resistance						
2	USD18272	6400612018USD272	2.5	61	5.6	64	-58.1	72	-82.0	77					0.07	42	0.15	40	0.7	48	108.3	2	2	67	300	Yes	brown	RR	Black	11/05/18	Certified NSIP Stud/Certified NSIP Maternal Sire						
3	USD18294	6400612018USD294	3.1	60	6.2	63	-54.9	73	-68.6	77					0.12	41	0.19	38	0.9	46	110.1	2	2	72	300	Yes	brown	RR	Black	11/07/18	Certified NSIP Stud/Certified NSIP Maternal Sire; Top 10% parasite resistance						
4	USD18301	6400612018USD301	2.0	61	4.1	64	-72.9	73	-93.0	78					0.20	42	0.26	38	0.9	48	112.3	2	2	67	250	No	black	QR	Black	11/11/18	Certified NSIP Stud/Certified NSIP Maternal Sire						
5	USD18338	6400612018USD338	1.9	64	4.3	67	-92.7	76	-96.6	80	0.2	45	0.08	41	0.08	38	0.9	46	105.2	1	1	59	300	Yes		RR	White	11/22/18	Top 5% parasite resistance, top 10% growth and maternal milk								
<b>Mature rams - floor price \$300</b>																																					
6	USD18021	6400612018USD021	0.9	64	1.5	66	-90.5	69	-99.5	77	-0.3	62	0.05	41	0.08	36	0.9	42	105.1	1	1	91	300	Reg		QR	Black	01/14/18	Top 5% parasite resistance, top 10% maternal milk.								
7	USD18080	6400612018USD080	1.2	64	2.5	67	-54.0	70	-75.6	78	1.4	59	0.02	43	0.08	38	0.8	46	105.0	1	1	107	300	Reg		RR	Black	01/19/18	Good parasite resistance and growth potential and nicely balanced traits								
8	USD18144	6400612018USD144	1.0	64	1.3	67	-36.7	69	-65.3	77	-0.3	59	0.14	40	0.12	36	0.7	41	106.2	2	2	85	300	87.5%*		QR	Black	01/24/18	Certified NSIP Maternal Sire								
9	USD18186	6400612018USD186	1.4	64	1.7	67	-34.5	69	-68.1	76	0.9	59	0.18	37	0.16	32	1.2	38	108.7	2	2		300	87.5%*		RR	White	2/13/2018	Certified NSIP Stud/Certified NSIP Maternal Sire								
10	USD18193	6400612018USD193	1.3	56	2.9	59	-86.3	63	-94.8	70	0.5	51	0.02	34	0.08	29			105.2	1	1		300	Reg	brown	RR	White	2/18/2018	Top 5% parasite resistance and balanced traits								
11	USD17080	6400612017USD080	1.5	86	2.4	89	-75.3	87	-94.0	90	0.2	78	0.20	45	0.15	39	1.2	45	108.4	4	3		250	75% Rec	brown	RR	Black	2/15/2017	Certified NSIP Stud/Certified NSIP Maternal Sire								
12	LEA1651	6401322016LEA051	2.5	61	5.3	62	-26.0	61	-45.0	72			0.06	39	0.14	35	1.2	42	108.8				300	Reg	brown	QR	Black	4/24/2016	Certified NSIP Stud/Certified NSIP Maternal Sire; top 10% PR								
13	NWT16080	6400522016NWT080	1.2	91	2.3	93	-99.2	90	-100.0	96	-0.4	83	0.14	58	0.17	53	0.8	63	108.4				300	Reg		QR	Black	2/7/2016	Certified NSIP Stud/Certified NSIP Maternal Sire; top 5% PR								
			Yellow EBV = top 5%; Orange = top 10%																																		
<b>Ewe Lambs - floor price \$250</b>																																					
14	USD18204	6400612018USD204	0.7	63	1.5	67	-76.0	74	-92.2	79	0.6	45	0.12	38	0.10	34	0.0	42	103.8	3	2	60	250	75%		RR	B/W	10/27/18	Parasite resistance								
15	USD18216	6400612018USD216	0.4	61	0.6	64	-48.4	74	-80.6	78			-0.01	40	0.09	36	0.5	42	105.0	2	2	56	250	yes	brown/wht	QQ	White	10/30/18	Good balanced traits								
16	USD18217	6400612018USD217	0.3	61	0.3	64	-90.5	67	-99.5	66			-0.01	40	0.09	36	0.5	42	105.0	2	2	58	250	yes		QR	White	10/30/18	Parasite resistance								
17	USD18221	6400612018USD221	-0.4	52	-0.8	56	-10.4	68	-35.7	74			0.08	28	0.10	25			104.1	2	2	53	250	comm		QR	White	10/31/18	Sturdy ewe								
18	USD18223	6400612018USD223	1.1	64	2.7	67	-83.4	75	-94.0	79	-0.3	48	-0.01	41	0.01	38	0.8	42	102.7	2	2	57	250	yes		QQ	Black	11/01/18	Parasite resistance								
19	USD18224	6400612018USD224	0.9	64	2.3	67	-21.8	75	-16.3	79	-0.3	48	-0.01	41	0.01	38	0.8	42	102.6	2	2	60	250	yes		QR	B/W	11/01/18	Good ewe								
20	USD18231	6400612018USD231	0.5	65	1.0	68	-83.3	75	-97.7	80	0.4	48	0.05	39	0.04	36	0.5	41	102.8	2	1	54	250	87%		QR	Black	11/02/18	Parasite resistance								
21	USD18237	6400612018USD237	0.7	59	2.5	62	-79.8	72	-94.2	77			0.05	31	0.09	28	0.5	35	104.7	1	1	50	250	yes		QR	Black	11/02/18	Parasite resistance								
22	USD18256	6400612018USD256	1.6	61	2.9	65	-57.5	73	-82.2	78			0.06	34	0.10	30	0.6	38	105.7	2	2	47	250	81%		RR	White	11/04/18	Good balanced traits								
23	USD18257	6400612018USD257	1.0	61	1.6	65	-56.9	73	-78.9	78			0.06	34	0.10	30	0.6	38	105.6	2	2	51	250	81%	brown	QR	Black	11/04/18	Good balanced traits								
24	USD18283	6400612018USD283	0.1	61	0.6	64	-95.5	74	-99.6	78			0.04	35	0.10	32	0.9	40	106.0	2	2	45	250	yes	brown	QR	Black	11/06/18	Parasite resistance								
25	USD18286	6400612018USD286	-0.5	62	-0.6	66	-71.6	75	-86.1	80			0.05	37	0.11	33	0.7	40	105.7	2	2	53	250	87%		QR	Black	11/06/18	Parasite resistance								
26	USD18290	6400612018USD290	-0.8	61	-2.0	64	-54.5	74	-84.7	78			0.03	38	0.11	35	0.5	42	105.2	2	2	46	250	yes		QR	White	11/07/18	Parasite resistance								
27	USD18317	6400612018USD317	0.5	53	0.9	57	-30.0	69	-67.5	74			0.07	33	0.10	31	0.0	36	103.8	2	2	42	250	yes?		RR	White	11/19/18	Good ewe								
28	USD18339	6400612018USD339	0.6	59	0.8	62	-94.0	72	-100.0	78			-0.08	37	0.03	34	0.7	38	103.2	1	1	42	250	yes		RR	White	11/23/18	Parasite resistance								
<b>Mature Ewes - Floor price \$250</b>																																					
28	USD14383	6400612014014383	1.6	68	2.8	69	-83.5	79	-97.7	83	-0.2	50	-0.10	63	0.01	58	0.5	68	102.3	2	2	151	250	75% Rec		QQ	B/W	12/08/14	Parasite resistance								
29	USD15026	6400612015015026	2.3	69	4.3	71	-63.2	73	-75.1	80	-0.5	49	-0.09	58	0.00	53	1.2	62	103.6	2	2		250	75% Rec		RR	B/W	02/04/15	Good resistance and growth								
30	USD15142	6400612015015142	-0.1	68	0.3	71	-72.6	75	-93.7	81	0.2	52	-0.07	58	0.06	52	0.6	63	104.0	1	1	90	250	75% Rec		QR	White	11/29/15	Parasite resistance								

Lot #	Tag	NSIP ID	Estimated Breeding Values and accuracies (see attachment for definitions)																	Birth type	Rear type	Recent Wt, lb	Floor price, \$	Registrable (all ewe lambs can be recorded)	Description	Scrapie Genotype	Hoof Color	Date of birth	Genetic highlights - what you can expect from offspring
			WWT	AC <sub>C_W</sub> WT	PWWT	AC <sub>C_PW</sub> WT	WFEC	AC <sub>C_WF</sub> EC	PFEC	AC <sub>C_P</sub> PFEC	PSC	AC <sub>C_PS</sub> PS	NLB	AC <sub>C_N</sub> LB	NLW	AC <sub>C_NL</sub> NLW	MW	AC <sub>C_M</sub> MW	INDEX										
31	USD15172	6400612015015172	0.8	68	1.5	70	-66.3	72	-84.1	79	-1.1	52	-0.13	60	-0.01	54	0.9	62	102.4	2	2	96	250	Reg		QR	White	12/13/15	Parasite resistance
32	USD15174	6400612015015174	0.7	65	1.8	68	-32.4	71	-57.6	79	-0.1	49	-0.11	56	0.01	50	0.9	57	103.1	2	2	122	250	Reg		QR	B/W	12/14/15	Good milk production
33	USD15179	6400612015015179	1.0	67	1.9	70	-99.0	73	-100.3	80	-1.2	51	-0.20	59	-0.07	54	0.8	60	99.8	1	1	104	250	Reg		RR	White	12/15/15	Parasite resistance
34	USD17004	6400612017USD004	0.4	64	-0.1	66	-87.6	71	-99.9	77	-0.7	47	-0.05	46	-0.01	43	1.0	54	102.2	2	2	92	250	Reg		QR	White	01/01/17	Parasite resistance
35	USD17095	6400612017USD095	0.7	64	1.8	67	-74.3	69	-86.4	76	0.0	48	0.13	42	0.06	39	0.9	45	104.1	2	2		250	Reg		QR	White	02/17/17	Parasite resistance
36	USD17129	6400612017USD129	1.9	60	2.8	63	-66.7	67	-76.5	75			-0.02	37	0.07	33	0.8	40	105.2	2	2		250	Reg		QR	B/W	02/21/17	Balanced lambs
37	USD18166	6400612018USD166	0.0	64	-0.2	66	-96.1	69	-99.9	76	-0.1	49	0.04	42	0.08	39	0.7	46	104.7	2	2		250	87% Rec		QR	White	02/01/18	Parasite resistance
38	USD15004	6400612015015004	-0.2	71	0.0	73	-99.7	76	-100.7	82	1.0	53	0.12	62	0.04	57	0.1	66	101.2	2	2		250	75% Rec		QR		01/18/15	Parasite resistance

Lot #	Tag	Floor price, \$		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 #____. Bidder Initials next to x.		
	<b>Ram Lambs</b>					
1	USD18268	300				
2	USD18272	300				
3	USD18294	300				
4	USD18301	250				
5	USD18338	300				
	<b>Mature rams - floor price \$300</b>					
6	USD18021	300				
7	USD18080	300				
8	USD18144	300				
9	USD18186	300				
10	USD18193	300				
11	USD17080	250				
12	LEA1651	300				
13	NWT16080	300				
	<b>Ewe Lambs - Floor price \$250</b>					
14	USD18204	250				
15	USD18216	250				
16	USD18217	250				
17	USD18221	250				
18	USD18223	250				
19	USD18224	250				
20	<b>USD18231</b>	250				
21	USD18237	250				
22	USD18256	250				
23	USD18257	250				
24	USD18283	250				
25	USD18286	250				
26	USD18290	250				
27	USD18317	250				
28	USD18339	250				
	<b>Mature Ewes - Floor price \$250</b>					
28	USD14383	250				
29	USD15026	250				
30	USD15142	250				

<b>Lot #</b>	Tag	Floor price, \$		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 # _____. Bidder Initials next to x.		
31	USD15172	250				
32	USD15174	250				
33	USD15179	250				
34	USD17004	250				
35	USD17095	250				
36	USD17129	250				
37	USD18166	250				
38	USD15004	250				

**Lot \_\_\_\_\_:**

**Lot Floor Price \$**

\_\_\_\_\_ Bid

Bid submitted by: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_

Telephone: \_\_\_\_\_

Email Address: \_\_\_\_\_