

## Commodity Exchange Endorsement for Livestock Gross Margin for Cattle

This endorsement contains the exchange prices and basis values that are used to set expected and actual prices for LGM for Cattle. To find the relevant commodity exchange prices for LGM for Cattle, choose a closing date (in Column 1). The closing date determines the insurance period (in Column 2). Within each insurance period, the insurance months are shown in Column 3, and the relevant cattle and feed months are shown in Columns 4-9 (Columns 4-6 for yearling finishing operations, Columns 7-9 for calf finishing operations). Commodity exchange contract months are shown in **bold**. All cattle prices are expressed in dollars per hundredweight; all corn prices are expressed in dollars per bushel.

For example, given the closing date of January 31, the insurance period runs from February to December. This insurance period contains the insurance months of February, March, April, May, June, July, August, September, October, November, and December. The month of February is the first month of the insurance period but no marketings will be insured in February. You will not be allowed to insure cattle the first month of any insurance period. Coverage begins on your cattle one full calendar month following the sales closing date, unless otherwise specified in the Special Provisions, provided the premium for the coverage has been paid in full.

For the contract with a sales closing date of January 31, coverage will begin on March 1. For the March insurance month, the expected cattle price is the March cattle price. Because March does not have a Live cattle futures contract, the expected March cattle price is one-half times the simple average of the CME February cattle futures prices on the last three business days of January plus one-half times the simple average of the CME April cattle futures prices on the last three business days of January plus the March cattle basis. The expected feeder cattle price for yearling finishing operations for the March insurance month is the October feeder cattle price. Because October feeder cattle futures have expired, the expected feeder cattle price for the March insurance month is the simple average of daily settlement prices for the CME feeder cattle futures contract for October on the last three trading days prior to the day the contract expires plus the October feeder cattle basis. The expected corn price for yearling finishing operations for the March insurance month is the January corn price. Because January does not have a CBOT corn futures contract, the expected January corn price is two-thirds times the simple average of the CBOT December corn futures prices on the last three business days of December prior to contract expiration plus one-third times the simple average of the CBOT March corn futures prices on the last three business days of January plus the January corn basis.

For the July insurance month (continuing the January 31 closing date example), the expected cattle price is the July cattle price. Because July does not have a Live cattle futures contract, the expected July cattle price is one-half times the simple average of the CME June cattle futures prices on the last three business days of January plus one-half times the simple average of the CME August cattle futures prices on the last three business days of January plus the July cattle basis. The expected feeder cattle price for yearling finishing operations for the July insurance month is the February feeder cattle price. Because February does not have a CME feeder cattle futures contract, the expected February feeder cattle price is one-half times the simple average of the daily settlement prices for the CME feeder cattle futures contract for January on the last three trading days prior to the day the contract expires plus one-half times the simple average of the CME March feeder cattle prices on the last three business days of January plus the February feeder cattle basis. The expected corn price for yearling finishing operations for the July insurance month is the May corn price. Because May has a CBOT corn futures contract the expected corn price for May is the simple average of daily settlement prices for the CBOT corn futures contract for May on the last three trading days of January plus the May corn basis.

The sales period that begins on the last business day of the month after validation of prices and rates and ends on the following day at 9:00 AM central time. If the expected gross margins are not available on the RMA website, LGM for Cattle will not be offered for sale for that insurance period.

Table 1. Cycles within the insurance periods for LGM for Cattle Insurance

Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7	Column 8	Column 9		
Sales Closing Date	Insurance Period	Insurance Month	Yearling Finishing			Calf Finishing				
			Live Cattle Price	Feeder Cattle Price	Corn Price	Live Cattle Price	Feeder Cattle Price	Corn Price		
January 31	February-December	March	March	<b>October</b>	January	March	July	November		
		April	<b>April</b>	<b>November</b>	February	<b>April</b>	<b>August</b>	<b>December</b>		
		May	May	December	<b>March</b>	May	<b>September</b>	January		
		June	<b>June</b>	<b>January</b>	April	<b>June</b>	<b>October</b>	February		
		July	July	February	<b>May</b>	July	<b>November</b>	<b>March</b>		
		August	<b>August</b>	<b>March</b>	June	<b>August</b>	December	April		
		September	September	<b>April</b>	<b>July</b>	September	<b>January</b>	<b>May</b>		
		October	<b>October</b>	<b>May</b>	August	<b>October</b>	February	June		
		November	November	June	<b>September</b>	November	<b>March</b>	<b>July</b>		
		December	<b>December</b>	July	October	<b>December</b>	<b>April</b>	August		
		February 28	March-January	April	<b>April</b>	<b>November</b>	February	<b>April</b>	<b>August</b>	<b>December</b>
				May	May	December	<b>March</b>	May	<b>September</b>	January
June	<b>June</b>			<b>January</b>	April	<b>June</b>	<b>October</b>	February		
July	July			February	<b>May</b>	July	<b>November</b>	<b>March</b>		
August	<b>August</b>			<b>March</b>	June	<b>August</b>	December	April		
September	September			<b>April</b>	<b>July</b>	September	<b>January</b>	<b>May</b>		
October	<b>October</b>			<b>May</b>	August	<b>October</b>	February	June		
November	November			June	<b>September</b>	November	<b>March</b>	<b>July</b>		
December	<b>December</b>			July	October	<b>December</b>	<b>April</b>	August		
January	January			<b>August</b>	November	January	<b>May</b>	<b>September</b>		
March 31	April-February			May	May	December	<b>March</b>	May	<b>September</b>	January
				June	<b>June</b>	<b>January</b>	April	<b>June</b>	<b>October</b>	February
		July	July	February	<b>May</b>	July	<b>November</b>	<b>March</b>		
		August	<b>August</b>	<b>March</b>	June	<b>August</b>	December	April		
		September	September	<b>April</b>	<b>July</b>	September	<b>January</b>	<b>May</b>		
		October	<b>October</b>	<b>May</b>	August	<b>October</b>	February	June		
		November	November	June	<b>September</b>	November	<b>March</b>	<b>July</b>		
		December	<b>December</b>	July	October	<b>December</b>	<b>April</b>	August		
		January	January	<b>August</b>	November	January	<b>May</b>	<b>September</b>		
		February	<b>February</b>	<b>September</b>	<b>December</b>	<b>February</b>	June	October		

Table 1. continued

Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7	Column 8	Column 9		
Sales Closing Date	Insurance Period	Insurance Month	Yearling Finishing			Calf Finishing				
			Live Cattle Price	Feeder Cattle Price	Corn Price	Live Cattle Price	Feeder Cattle Price	Corn Price		
April 30	May-March	June	<b>June</b>	<b>January</b>	April	<b>June</b>	<b>October</b>	February		
		July	July	February	<b>May</b>	July	<b>November</b>	<b>March</b>		
		August	<b>August</b>	<b>March</b>	June	<b>August</b>	December	April		
		September	September	<b>April</b>	<b>July</b>	September	<b>January</b>	<b>May</b>		
		October	<b>October</b>	<b>May</b>	August	<b>October</b>	February	June		
		November	November	June	<b>September</b>	November	<b>March</b>	<b>July</b>		
		December	<b>December</b>	July	October	<b>December</b>	<b>April</b>	August		
		January	January	<b>August</b>	November	January	<b>May</b>	<b>September</b>		
		February	<b>February</b>	<b>September</b>	<b>December</b>	<b>February</b>	June	October		
		March	March	<b>October</b>	January	March	July	November		
		May 31	June-April	July	July	February	<b>May</b>	July	<b>November</b>	<b>March</b>
				August	<b>August</b>	<b>March</b>	June	<b>August</b>	December	April
September	September			<b>April</b>	<b>July</b>	September	<b>January</b>	<b>May</b>		
October	<b>October</b>			<b>May</b>	August	<b>October</b>	February	June		
November	November			June	<b>September</b>	November	<b>March</b>	<b>July</b>		
December	<b>December</b>			July	October	<b>December</b>	<b>April</b>	August		
January	January			<b>August</b>	November	January	<b>May</b>	<b>September</b>		
February	<b>February</b>			<b>September</b>	<b>December</b>	<b>February</b>	June	October		
March	March			<b>October</b>	January	March	July	November		
April	<b>April</b>			<b>November</b>	February	<b>April</b>	<b>August</b>	<b>December</b>		
June 30	July-May			August	<b>August</b>	<b>March</b>	June	<b>August</b>	December	April
				September	September	<b>April</b>	<b>July</b>	September	<b>January</b>	<b>May</b>
		October	<b>October</b>	<b>May</b>	August	<b>October</b>	February	June		
		November	November	June	<b>September</b>	November	<b>March</b>	<b>July</b>		
		December	<b>December</b>	July	October	<b>December</b>	<b>April</b>	August		
		January	January	<b>August</b>	November	January	<b>May</b>	<b>September</b>		
		February	<b>February</b>	<b>September</b>	<b>December</b>	<b>February</b>	June	October		
		March	March	<b>October</b>	January	March	July	November		
		April	<b>April</b>	<b>November</b>	February	<b>April</b>	<b>August</b>	<b>December</b>		
		May	May	December	<b>March</b>	May	<b>September</b>	January		

Table 1. continued

Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7	Column 8	Column 9		
Sales Closing Date	Insurance Period	Insurance Month	Yearling Finishing			Calf Finishing				
			Live Cattle Price	Feeder Cattle Price	Corn Price	Live Cattle Price	Feeder Cattle Price	Corn Price		
July 31	August-June	September	September	<b>April</b>	<b>July</b>	September	<b>January</b>	<b>May</b>		
		October	<b>October</b>	<b>May</b>	August	<b>October</b>	February	June		
		November	November	June	<b>September</b>	November	<b>March</b>	<b>July</b>		
		December	<b>December</b>	July	October	<b>December</b>	<b>April</b>	August		
		January	January	<b>August</b>	November	January	<b>May</b>	<b>September</b>		
		February	<b>February</b>	<b>September</b>	<b>December</b>	<b>February</b>	June	October		
		March	March	<b>October</b>	January	March	July	November		
		April	<b>April</b>	<b>November</b>	February	<b>April</b>	<b>August</b>	<b>December</b>		
		May	May	December	<b>March</b>	May	<b>September</b>	January		
		June	<b>June</b>	<b>January</b>	April	<b>June</b>	<b>October</b>	February		
		August 31	September-July	October	<b>October</b>	<b>May</b>	August	<b>October</b>	February	June
				November	November	June	<b>September</b>	November	<b>March</b>	<b>July</b>
December	<b>December</b>			July	October	<b>December</b>	<b>April</b>	August		
January	January			<b>August</b>	November	January	<b>May</b>	<b>September</b>		
February	<b>February</b>			<b>September</b>	<b>December</b>	<b>February</b>	June	October		
March	March			<b>October</b>	January	March	July	November		
April	<b>April</b>			<b>November</b>	February	<b>April</b>	<b>August</b>	<b>December</b>		
May	May			December	<b>March</b>	May	<b>September</b>	January		
June	<b>June</b>			<b>January</b>	April	<b>June</b>	<b>October</b>	February		
July	July			February	<b>May</b>	July	<b>November</b>	<b>March</b>		
September 30	October-August			November	November	June	<b>September</b>	November	<b>March</b>	<b>July</b>
				December	<b>December</b>	July	October	<b>December</b>	<b>April</b>	August
		January	January	<b>August</b>	November	January	<b>May</b>	<b>September</b>		
		February	<b>February</b>	<b>September</b>	<b>December</b>	<b>February</b>	June	October		
		March	March	<b>October</b>	January	March	July	November		
		April	<b>April</b>	<b>November</b>	February	<b>April</b>	<b>August</b>	<b>December</b>		
		May	May	December	<b>March</b>	May	<b>September</b>	January		
		June	<b>June</b>	<b>January</b>	April	<b>June</b>	<b>October</b>	February		
		July	July	February	<b>May</b>	July	<b>November</b>	<b>March</b>		
		August	<b>August</b>	<b>March</b>	June	<b>August</b>	December	April		

Table 1. continued

Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7	Column 8	Column 9
Sales Closing Date	Insurance Period	Insurance Month	Yearling Finishing			Calf Finishing		
			Live Cattle Price	Feeder Cattle Price	Corn Price	Live Cattle Price	Feeder Cattle Price	Corn Price
October 31	November-September	December	<b>December</b>	July	October	<b>December</b>	<b>April</b>	August
		January	January	<b>August</b>	November	January	<b>May</b>	<b>September</b>
		February	<b>February</b>	<b>September</b>	<b>December</b>	<b>February</b>	June	October
		March	March	<b>October</b>	January	March	July	November
		April	<b>April</b>	<b>November</b>	February	<b>April</b>	<b>August</b>	<b>December</b>
		May	May	December	<b>March</b>	May	<b>September</b>	January
		June	<b>June</b>	<b>January</b>	April	<b>June</b>	<b>October</b>	February
		July	July	February	<b>May</b>	July	<b>November</b>	<b>March</b>
		August	<b>August</b>	<b>March</b>	June	<b>August</b>	December	April
		September	September	<b>April</b>	<b>July</b>	September	<b>January</b>	<b>May</b>
November 30	December-October	January	January	<b>August</b>	November	January	<b>May</b>	<b>September</b>
		February	<b>February</b>	<b>September</b>	<b>December</b>	<b>February</b>	June	October
		March	March	<b>October</b>	January	March	July	November
		April	<b>April</b>	<b>November</b>	February	<b>April</b>	<b>August</b>	<b>December</b>
		May	May	December	<b>March</b>	May	<b>September</b>	January
		June	<b>June</b>	<b>January</b>	April	<b>June</b>	<b>October</b>	February
		July	July	February	<b>May</b>	July	<b>November</b>	<b>March</b>
		August	<b>August</b>	<b>March</b>	June	<b>August</b>	December	April
		September	September	<b>April</b>	<b>July</b>	September	<b>January</b>	<b>May</b>
		October	<b>October</b>	<b>May</b>	August	<b>October</b>	February	June
December 31	January-November	February	<b>February</b>	<b>September</b>	<b>December</b>	<b>February</b>	June	October
		March	March	<b>October</b>	January	March	July	November
		April	<b>April</b>	<b>November</b>	February	<b>April</b>	<b>August</b>	<b>December</b>
		May	May	December	<b>March</b>	May	<b>September</b>	January
		June	<b>June</b>	<b>January</b>	April	<b>June</b>	<b>October</b>	February
		July	July	February	<b>May</b>	July	<b>November</b>	<b>March</b>
		August	<b>August</b>	<b>March</b>	June	<b>August</b>	December	April
		September	September	<b>April</b>	<b>July</b>	September	<b>January</b>	<b>May</b>
		October	<b>October</b>	<b>May</b>	August	<b>October</b>	February	June
		November	November	June	<b>September</b>	November	<b>March</b>	<b>July</b>

Table 2. Fed Cattle Basis (\$/cwt)

State	January	February	March	April	May	June	July	August	September	October	November	December
Colorado	2.49	0.25	2.42	2.77	4.24	4.99	4.47	4.91	3.46	3.16	4.89	4.47
Illinois	-1.48	-2.54	-0.48	0.36	1.12	1.21	-1.40	-1.43	-2.99	-3.53	-1.42	-1.25
Indiana	-2.36	-3.42	-1.36	-0.52	0.24	0.33	-2.28	-2.31	-3.87	-4.41	-2.30	-2.13
Iowa	0.24	-1.23	-0.78	0.08	0.21	0.69	-1.50	-0.49	-2.68	-3.30	-0.30	-0.01
Kansas	0.12	-0.90	0.89	1.07	1.26	1.28	0.02	0.24	-0.81	-0.77	0.80	0.20
Michigan	-9.52	-9.34	-8.05	-7.85	-6.59	-4.73	-6.29	-6.48	-9.15	-11.91	-11.01	-10.15
Minnesota	-4.70	-5.47	-3.63	-2.40	-1.61	-1.15	-2.63	-3.15	-4.84	-5.82	-4.35	-3.69
Missouri	5.17	4.93	6.35	7.78	9.64	11.52	11.98	11.43	8.03	4.55	4.62	5.62
Montana	8.41	6.49	6.66	6.91	7.88	9.66	9.41	9.19	7.44	9.74	10.20	10.44
Nebraska	-0.19	-1.36	1.16	1.72	1.90	2.28	0.62	1.20	-0.73	-0.59	1.38	2.30
Nevada	5.43	4.60	5.99	5.87	6.79	8.16	6.86	6.82	4.87	3.83	5.57	6.58
North Dakota	5.65	3.22	3.57	3.84	4.54	3.98	2.67	6.91	6.43	6.59	6.93	7.93
Ohio	-4.36	-4.93	-3.28	-1.85	-0.40	0.09	-1.67	-1.72	-3.82	-5.74	-4.52	-4.74
Oklahoma	5.98	4.24	4.23	4.10	5.41	9.88	11.46	11.48	8.77	6.50	7.73	9.50
South Dakota	7.00	4.28	4.00	3.90	4.11	5.49	3.11	4.80	4.88	8.59	8.60	7.52
Texas	0.56	-0.16	1.41	1.76	2.18	2.77	1.71	1.64	-0.29	-1.98	0.19	1.14
Utah	-0.43	-0.80	1.04	1.59	2.06	3.17	2.50	2.86	1.45	0.10	0.83	0.82
West Virginia	-5.25	-5.54	-4.65	-2.33	0.16	1.86	2.16	1.43	-1.96	-5.53	-6.12	-5.47
Wisconsin	-5.68	-6.39	-4.47	-3.61	-2.61	-1.15	-3.08	-3.24	-5.02	-7.01	-4.84	-5.02
Wyoming	7.59	5.27	5.62	5.67	7.59	11.85	12.84	12.21	10.65	10.71	11.37	11.60

Table 3. Yearling Basis (\$/cwt)

State	January	February	March	April	May	June	July	August	September	October	November	December
Colorado	1.64	2.11	5.06	4.58	2.89	0.71	-0.99	-2.12	-2.48	-1.92	-0.19	1.02
Illinois	1.74	3.62	6.67	6.95	5.05	2.02	-1.36	-2.65	-2.78	-2.16	-0.71	-0.76
Indiana	-6.71	-4.83	-1.78	-1.50	-3.40	-6.43	-9.81	-11.10	-11.23	-10.61	-9.16	-9.21
Iowa	-2.01	-1.21	0.40	0.76	-1.76	-3.65	-7.65	-8.01	-7.75	-7.87	-5.60	-4.68
Kansas	0.49	2.15	4.45	3.89	1.42	-0.84	-2.33	-4.36	-4.60	-3.29	-1.48	-1.32
Michigan	-12.03	-8.11	-6.30	-5.79	-6.91	-8.08	-11.63	-13.37	-14.20	-15.57	-14.99	-14.18
Minnesota	-6.90	-5.36	-2.46	-1.31	-3.55	-5.99	-9.97	-11.22	-11.14	-11.28	-11.04	-9.15
Missouri	1.80	4.07	6.38	6.89	5.36	4.09	3.28	0.99	-0.71	-2.52	-1.78	-0.01
Montana	5.39	6.01	7.02	6.07	4.10	2.53	0.92	0.60	0.06	2.48	3.17	4.42
Nebraska	0.70	1.51	4.63	4.35	1.73	-0.24	-3.10	-3.59	-4.51	-3.13	-1.50	1.14
Nevada	3.82	5.20	7.40	6.21	3.63	1.71	-0.54	-2.06	-2.18	-1.45	0.98	2.84
North Dakota	1.98	1.92	3.49	2.84	0.33	-1.68	-3.50	-2.32	-2.05	-0.68	0.08	1.41
Ohio	-7.87	-5.61	-3.02	-2.82	-4.51	-6.58	-10.47	-11.31	-12.35	-13.36	-11.70	-11.64
Oklahoma	2.80	4.30	5.61	4.79	2.41	3.03	2.65	1.02	-0.19	-0.50	1.61	3.75
South Dakota	5.08	4.41	5.42	4.73	2.29	2.17	-1.53	-1.26	-0.30	3.17	3.64	3.54
Texas	-0.50	2.00	4.51	3.97	1.06	-1.10	-3.04	-4.27	-4.76	-5.37	-3.28	-1.90
Utah	-1.48	0.86	3.81	3.05	-0.47	-2.12	-3.40	-3.95	-3.82	-4.45	-3.33	-3.09
West Virginia	-10.66	-8.15	-5.70	-4.33	-5.40	-7.22	-8.98	-10.85	-12.15	-13.72	-13.90	-13.32
Wisconsin	3.37	5.46	8.00	8.18	6.88	4.48	-3.30	-3.57	-3.34	-3.83	-2.38	-2.34
Wyoming	5.65	6.64	7.33	6.27	4.96	5.74	5.69	4.03	4.28	4.97	5.54	6.98

Table 4. Calf Basis (\$/cwt)

State	January	February	March	April	May	June	July	August	September	October	November	December
Colorado	7.72	8.82	11.92	11.36	9.41	7.08	5.61	4.29	3.07	2.48	3.88	6.63
Illinois	11.89	14.63	18.03	18.51	16.86	13.47	10.73	9.57	8.94	8.69	9.14	8.79
Indiana	-4.14	-1.40	2.00	2.48	0.83	-2.56	-5.30	-6.46	-7.09	-7.34	-6.89	-7.24
Iowa	2.67	3.66	5.81	6.41	4.14	2.65	-1.76	-2.09	-1.32	-2.94	-1.76	-0.29
Kansas	7.78	10.06	12.22	11.68	9.46	7.68	7.36	4.49	3.10	3.68	5.38	6.22
Michigan	-7.61	-2.02	-0.32	1.24	0.64	-0.79	-4.93	-6.82	-7.74	-9.74	-9.82	-9.14
Minnesota	-2.18	-0.40	2.92	4.75	2.39	-0.17	-5.27	-5.85	-5.94	-7.24	-8.59	-5.55
Missouri	5.36	8.06	10.63	10.98	8.95	7.31	6.63	3.99	2.06	-0.10	0.97	3.42
Montana	9.30	10.39	11.60	10.20	8.19	6.05	4.48	5.46	4.19	4.71	5.29	7.47
Nebraska	8.52	9.23	12.33	11.96	9.45	7.90	5.24	5.07	3.20	3.81	4.78	9.04
Nevada	9.12	10.65	13.02	11.52	8.33	5.91	4.10	2.49	2.26	2.74	5.53	8.15
North Dakota	5.23	5.47	7.62	6.82	4.01	3.30	2.38	1.90	0.97	1.53	2.39	3.95
Ohio	-4.45	-1.44	1.46	1.19	-0.73	-2.60	-7.23	-7.46	-9.38	-11.49	-9.73	-9.47
Oklahoma	6.55	9.21	11.20	10.45	7.28	6.82	5.89	4.00	2.35	2.00	4.65	7.06
South Dakota	10.09	9.39	11.06	10.53	8.35	9.50	5.88	6.13	6.01	7.23	7.83	8.63
Texas	5.37	9.02	11.84	11.16	7.83	5.69	4.26	3.26	2.27	0.72	2.41	4.13
Utah	4.39	7.37	10.79	9.48	4.86	3.23	2.73	2.67	2.41	0.47	1.64	2.05
West Virginia	-9.14	-5.90	-2.51	-1.35	-3.06	-5.64	-8.06	-9.68	-10.83	-12.41	-12.52	-12.10
Wisconsin	19.35	22.16	24.68	24.94	24.25	20.77	8.52	9.54	9.85	8.85	9.22	9.41
Wyoming	10.64	12.86	13.25	11.84	10.20	10.29	10.59	9.29	9.42	8.73	8.86	11.42



Table 5. Corn Basis (\$/bushel)

State	January	February	March	April	May	June	July	August	September	October	November	December
Colorado	-0.08	-0.10	-0.12	-0.13	-0.12	0.01	0.14	0.05	0.09	-0.05	-0.05	-0.03
Illinois	-0.10	-0.10	-0.10	-0.12	-0.14	-0.11	-0.10	-0.08	-0.13	-0.16	-0.13	-0.01
Indiana	-0.06	-0.08	-0.07	-0.06	-0.10	-0.08	-0.07	-0.03	-0.13	-0.22	-0.16	-0.02
Iowa	-0.25	-0.25	-0.26	-0.28	-0.31	-0.28	-0.26	-0.23	-0.21	-0.28	-0.25	-0.18
Kansas	-0.10	-0.10	-0.10	-0.12	-0.14	-0.08	-0.02	-0.06	-0.07	-0.06	-0.04	-0.04
Michigan	-0.18	-0.21	-0.18	-0.19	-0.20	-0.15	-0.10	-0.09	-0.06	-0.23	-0.25	-0.19
Minnesota	-0.35	-0.37	-0.38	-0.37	-0.42	-0.36	-0.34	-0.34	-0.33	-0.38	-0.35	-0.30
Missouri	-0.09	-0.09	-0.08	-0.10	-0.12	-0.04	-0.06	-0.08	-0.18	-0.24	-0.16	-0.09
Montana	-0.25	-0.24	-0.22	-0.22	-0.32	-0.14	-0.12	-0.11	-0.10	-0.19	-0.21	-0.18
Nebraska	-0.19	-0.21	-0.22	-0.23	-0.25	-0.18	-0.16	-0.15	-0.18	-0.20	-0.19	-0.16
Nevada	-0.08	-0.10	-0.12	-0.13	-0.12	0.01	0.14	0.05	0.09	-0.05	-0.05	-0.03
North Dakota	-0.41	-0.40	-0.38	-0.38	-0.48	-0.30	-0.28	-0.28	-0.26	-0.36	-0.37	-0.34
Ohio	-0.08	-0.08	-0.09	-0.10	-0.11	-0.04	-0.02	0.01	-0.08	-0.22	-0.17	-0.06
Oklahoma	0.06	0.06	0.06	0.04	0.02	0.08	0.14	0.09	0.09	0.10	0.12	0.12
South Dakota	-0.40	-0.39	-0.39	-0.37	-0.42	-0.30	-0.33	-0.32	-0.37	-0.46	-0.46	-0.36
Texas	0.12	0.11	0.17	-0.17	0.03	0.17	0.02	0.03	0.14	0.18	0.15	0.17
Utah	0.51	0.50	0.48	0.47	0.48	0.60	0.74	0.64	0.69	0.55	0.55	0.57
West Virginia	0.30	0.28	0.26	0.26	0.32	0.36	0.42	0.43	0.33	0.12	0.14	0.26
Wisconsin	-0.26	-0.26	-0.26	-0.25	-0.31	-0.19	-0.19	-0.18	-0.14	-0.24	-0.24	-0.19
Wyoming	0.04	0.02	0.00	-0.01	0.00	0.13	0.26	0.17	0.21	0.08	0.08	0.09