



United States
Department of
Agriculture

National
Agricultural
Statistics
Service



ISSN: 1949-162X

Small Grains 2021 Summary

September 2021

USDA



All wheat production totaled 1.65 billion bushels in 2021, down 10 percent from the 2020 total of 1.83 billion bushels. Area harvested for grain totaled 37.2 million acres, up 1 percent from the previous year. The United States yield was estimated at 44.3 bushels per acre, down 5.4 bushels from the previous year. The levels of production and changes from 2020 by type were: winter wheat, 1.28 billion bushels, up 9 percent; other spring wheat, 331 million bushels, down 44 percent; and Durum wheat, 37.3 million bushels, down 46 percent.

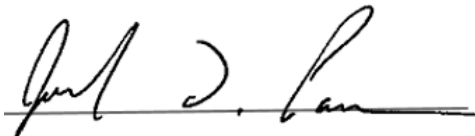
Oat production was estimated at a record low 39.8 million bushels, down 39 percent from 2020. Yield was estimated at 61.3 bushels per acre, down 3.8 bushels from the previous year. Harvested area, at a record low 650 thousand acres, was 36 percent below last year.

Barley: Production was estimated at 118 million bushels, down 31 percent from the revised 2020 total of 171 million bushels. The average yield, at 60.4 bushels per acre, was down 16.8 bushel from the previous year. Producers seeded 2.66 million acres in 2021, down 2 percent from 2020. Harvested area, at 1.95 million acres, was down 12 percent from 2020.

This report was approved on September 30, 2021.



Secretary of Agriculture
Designate
Seth Meyer



Agricultural Statistics Board
Chairperson
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Oat Area Planted and Harvested, Yield, and Production – States and United States: 2019-2021

State	Area planted ¹			Area harvested		
	2019 (1,000 acres)	2020 (1,000 acres)	2021 (1,000 acres)	2019 (1,000 acres)	2020 (1,000 acres)	2021 (1,000 acres)
Arkansas	5	8	10	3	5	6
California	90	95	100	2	4	5
Georgia	70	80	80	15	20	20
Idaho	60	55	50	12	16	13
Illinois	70	60	60	10	15	15
Iowa	215	170	130	69	73	52
Kansas	120	140	115	18	16	20
Maine	22	26	22	19	22	19
Michigan	70	70	55	25	30	20
Minnesota	240	255	180	100	160	77
Missouri	50	35	50	6	10	15
Montana	75	75	60	26	41	16
Nebraska	120	135	120	18	29	26
New York	56	52	55	39	32	29
North Carolina	22	37	33	7	12	14
North Dakota	355	365	355	115	105	83
Ohio	75	55	45	25	15	20
Oklahoma	100	110	80	25	11	6
Oregon	20	20	15	9	7	6
Pennsylvania	85	86	85	50	55	36
South Dakota	245	310	215	75	140	56
Texas	400	470	460	40	60	35
Wisconsin	265	300	175	120	131	61
United States	2,830	3,009	2,550	828	1,009	650

See footnote(s) at end of table.

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**Oat Area Planted and Harvested, Yield, and Production – States and United States:
2019-2021 (continued)**

State	Yield			Production		
	2019 (bushels)	2020 (bushels)	2021 (bushels)	2019 (1,000 bushels)	2020 (1,000 bushels)	2021 (1,000 bushels)
Arkansas	70.0	64.0	90.0	210	320	540
California	60.0	75.0	65.0	120	300	325
Georgia	55.0	54.0	70.0	825	1,080	1,400
Idaho	92.0	102.0	72.0	1,104	1,632	936
Illinois	65.0	58.0	83.0	650	870	1,245
Iowa	58.0	78.0	77.0	4,002	5,694	4,004
Kansas	64.0	52.0	50.0	1,152	832	1,000
Maine	76.0	63.0	78.0	1,444	1,386	1,482
Michigan	57.0	55.0	63.0	1,425	1,650	1,260
Minnesota	62.0	66.0	57.0	6,200	10,560	4,389
Missouri	47.0	43.0	60.0	282	430	900
Montana	55.0	45.0	35.0	1,430	1,845	560
Nebraska	63.0	63.0	56.0	1,134	1,827	1,456
New York	60.0	53.0	68.0	2,340	1,696	1,972
North Carolina	71.0	67.0	68.0	497	804	952
North Dakota	86.0	78.0	48.0	9,890	8,190	3,984
Ohio	46.0	60.0	67.0	1,150	900	1,340
Oklahoma	50.0	45.0	45.0	1,250	495	270
Oregon	97.0	100.0	62.0	873	700	372
Pennsylvania	53.0	50.0	65.0	2,650	2,750	2,340
South Dakota	82.0	77.0	67.0	6,150	10,780	3,752
Texas	50.0	45.0	45.0	2,000	2,700	1,575
Wisconsin	54.0	63.0	62.0	6,480	8,253	3,782
United States	64.3	65.1	61.3	53,258	65,694	39,836

¹ Includes area planted in preceding fall.

Barley Area Planted and Harvested, Yield, and Production – States and United States: 2019-2021

State	Area planted ¹			Area harvested		
	2019	2020	2021	2019	2020	2021
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)
Alaska	6	6	6	5	5	5
Arizona	18	12	16	15	8	14
California	65	60	40	47	33	13
Colorado	54	56	52	52	47	47
Delaware	21	21	21	14	15	14
Idaho	550	530	520	530	500	490
Kansas	14	16	14	4	6	4
Maine	15	15	12	14	14	10
Maryland	32	34	33	17	21	18
Michigan	11	11	10	8	8	8
Minnesota	70	70	55	55	50	34
Montana	950	970	940	760	790	625
New York	10	9	9	4	5	5
North Carolina	11	14	13	6	8	7
North Dakota	580	530	580	445	460	430
Oregon	45	45	37	35	30	19
Pennsylvania	35	45	45	25	30	28
South Dakota	37	35	30	9	14	14
Utah	18	21	17	11	12	9
Virginia	30	31	30	7	7	7
Washington	95	90	83	84	71	70
Wisconsin	24	26	15	8	13	7
Wyoming	81	79	82	66	67	70
United States	2,772	2,726	2,660	2,221	2,214	1,948

See footnote(s) at end of table.

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**Barley Area Planted and Harvested, Yield, and Production – States and United States:
2019-2021 (continued)**

State	Yield			Production		
	2019 (bushels)	2020 (bushels)	2021 (bushels)	2019 (1,000 bushels)	2020 (1,000 bushels)	2021 (1,000 bushels)
Alaska	38.0	43.0	51.0	190	215	255
Arizona	126.0	122.0	125.0	1,890	976	1,750
California	66.0	47.0	63.0	3,102	1,551	819
Colorado	138.0	145.0	111.0	7,176	6,815	5,217
Delaware	80.0	84.0	75.0	1,120	1,260	1,050
Idaho	104.0	110.0	89.0	55,120	55,000	43,610
Kansas	33.0	51.0	66.0	132	306	264
Maine	82.0	54.0	82.0	1,148	756	820
Maryland	85.0	73.0	75.0	1,445	1,533	1,350
Michigan	44.0	56.0	50.0	352	448	400
Minnesota	67.0	47.0	55.0	3,685	2,350	1,870
Montana	59.0	63.0	38.0	44,840	49,770	23,750
New York	52.0	60.0	63.0	208	300	315
North Carolina	66.0	77.0	70.0	396	616	490
North Dakota	72.0	63.0	51.0	32,040	28,980	21,930
Oregon	78.0	72.0	32.0	2,730	2,160	608
Pennsylvania	70.0	76.0	80.0	1,750	2,280	2,240
South Dakota	43.0	44.0	20.0	387	616	280
Utah	93.0	85.0	81.0	1,023	1,020	729
Virginia	65.0	63.0	75.0	455	441	525
Washington	70.0	90.0	38.0	5,880	6,390	2,660
Wisconsin	46.0	46.0	53.0	368	598	371
Wyoming	107.0	96.0	91.0	7,062	6,432	6,370
United States	77.7	77.2	60.4	172,499	170,813	117,673

¹ Includes area planted in preceding fall.

All Wheat Area Planted and Harvested, Yield, and Production – States and United States: 2019-2021

State	Area planted ¹			Area harvested		
	2019 (1,000 acres)	2020 (1,000 acres)	2021 (1,000 acres)	2019 (1,000 acres)	2020 (1,000 acres)	2021 (1,000 acres)
Alabama	130	135	175	85	70	110
Arizona	36	50	53	35	49	52
Arkansas	110	145	210	50	75	145
California	420	410	365	122	102	100
Colorado	2,150	1,900	2,200	2,000	1,520	1,880
Delaware	60	75	60	50	55	35
Georgia	150	190	220	50	85	110
Idaho	1,195	1,240	1,227	1,125	1,164	1,132
Illinois	650	570	670	550	520	610
Indiana	330	300	340	260	250	270
Kansas	7,100	6,600	7,300	6,700	6,250	7,000
Kentucky	460	510	510	330	340	350
Maryland	345	355	345	165	150	160
Michigan	550	490	610	490	450	560
Minnesota	1,450	1,430	1,210	1,400	1,360	1,160
Mississippi	45	40	95	21	20	70
Missouri	550	480	640	390	370	490
Montana	5,450	5,595	5,520	5,135	5,490	4,545
Nebraska	1,070	900	920	970	830	840
New Jersey	19	25	23	14	18	16
New Mexico	365	335	370	110	115	75
New York	90	150	155	66	120	125
North Carolina	290	450	450	225	350	345
North Dakota	7,505	6,650	6,470	6,630	6,563	6,090
Ohio	500	530	580	385	490	515
Oklahoma	4,200	4,250	4,400	2,750	2,600	2,950
Oregon	740	740	720	730	725	705
Pennsylvania	180	235	270	140	190	195
South Carolina	70	110	125	45	95	100
South Dakota	1,500	1,400	1,520	1,360	1,355	1,310
Tennessee	280	300	400	215	230	330
Texas	4,600	4,900	5,500	2,100	2,050	2,000
Utah	125	110	110	116	98	98
Virginia	180	220	205	105	130	120
Washington	2,270	2,350	2,330	2,215	2,295	2,230
Wisconsin	195	160	290	150	125	245
Wyoming	125	120	115	110	90	95
United States	45,485	44,450	46,703	37,394	36,789	37,163

See footnote(s) at end of table.

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**All Wheat Area Planted and Harvested, Yield, and Production – States and United States:
2019-2021 (continued)**

State	Yield			Production		
	2019 (bushels)	2020 (bushels)	2021 (bushels)	2019 (1,000 bushels)	2020 (1,000 bushels)	2021 (1,000 bushels)
Alabama	72.0	72.0	83.0	6,120	5,040	9,130
Arizona	104.0	99.0	90.0	3,640	4,851	4,680
Arkansas	52.0	55.0	58.0	2,600	4,125	8,410
California	59.4	77.0	87.6	7,244	7,854	8,760
Colorado	49.0	27.0	37.0	98,000	41,040	69,560
Delaware	72.0	73.0	70.0	3,600	4,015	2,450
Georgia	56.0	55.0	56.0	2,800	4,675	6,160
Idaho	87.8	96.7	67.6	98,755	112,506	76,534
Illinois	67.0	68.0	79.0	36,850	35,360	48,190
Indiana	62.0	70.0	85.0	16,120	17,500	22,950
Kansas	52.0	45.0	52.0	348,400	281,250	364,000
Kentucky	76.0	63.0	87.0	25,080	21,420	30,450
Maryland	75.0	73.0	79.0	12,375	10,950	12,640
Michigan	71.0	75.0	81.0	34,790	33,750	45,360
Minnesota	57.0	53.0	48.0	79,800	72,080	55,680
Mississippi	47.0	48.0	59.0	987	960	4,130
Missouri	63.0	62.0	65.0	24,570	22,940	31,850
Montana	42.4	41.7	22.2	217,725	228,680	100,850
Nebraska	57.0	41.0	49.0	55,290	34,030	41,160
New Jersey	66.0	67.0	67.0	924	1,206	1,072
New Mexico	30.0	28.0	36.0	3,300	3,220	2,700
New York	63.0	66.0	77.0	4,158	7,920	9,625
North Carolina	56.0	60.0	56.0	12,600	21,000	19,320
North Dakota	48.4	47.6	32.2	321,185	312,587	196,195
Ohio	56.0	71.0	85.0	21,560	34,790	43,775
Oklahoma	40.0	40.0	39.0	110,000	104,000	115,050
Oregon	68.0	64.0	45.0	49,640	46,400	31,725
Pennsylvania	73.0	71.0	77.0	10,220	13,490	15,015
South Carolina	48.0	51.0	53.0	2,160	4,845	5,300
South Dakota	48.1	51.9	33.9	65,410	70,285	44,470
Tennessee	67.0	59.0	71.0	14,405	13,570	23,430
Texas	34.0	30.0	37.0	71,400	61,500	74,000
Utah	54.0	53.0	46.0	6,264	5,194	4,508
Virginia	62.0	60.0	67.0	6,510	7,800	8,040
Washington	64.7	72.4	39.1	143,205	166,245	87,180
Wisconsin	64.0	69.0	75.0	9,600	8,625	18,375
Wyoming	43.0	26.0	32.0	4,730	2,340	3,040
United States	51.7	49.7	44.3	1,932,017	1,828,043	1,645,764

¹ Includes area planted in preceding fall.

Winter Wheat Area Planted and Harvested, Yield, and Production – States and United States: 2019-2021

State	Area planted ¹			Area harvested		
	2019 (1,000 acres)	2020 (1,000 acres)	2021 (1,000 acres)	2019 (1,000 acres)	2020 (1,000 acres)	2021 (1,000 acres)
Alabama	130	135	175	85	70	110
Arkansas	110	145	210	50	75	145
California	390	385	340	100	85	80
Colorado	2,150	1,900	2,200	2,000	1,520	1,880
Delaware	60	75	60	50	55	35
Georgia	150	190	220	50	85	110
Idaho	730	720	710	680	660	640
Illinois	650	570	670	550	520	610
Indiana	330	300	340	260	250	270
Kansas	7,100	6,600	7,300	6,700	6,250	7,000
Kentucky	460	510	510	330	340	350
Maryland	345	355	345	165	150	160
Michigan	550	490	610	490	450	560
Mississippi	45	40	95	21	20	70
Missouri	550	480	640	390	370	490
Montana	2,000	1,550	1,950	1,900	1,490	1,730
Nebraska	1,070	900	920	970	830	840
New Jersey	19	25	23	14	18	16
New Mexico	365	335	370	110	115	75
New York	90	150	155	66	120	125
North Carolina	290	450	450	225	350	345
North Dakota	85	40	90	70	33	60
Ohio	500	530	580	385	490	515
Oklahoma	4,200	4,250	4,400	2,750	2,600	2,950
Oregon	740	740	720	730	725	705
Pennsylvania	180	235	270	140	190	195
South Carolina	70	110	125	45	95	100
South Dakota	860	630	800	770	600	720
Tennessee	280	300	400	215	230	330
Texas	4,600	4,900	5,500	2,100	2,050	2,000
Utah	125	110	110	116	98	98
Virginia	180	220	205	105	130	120
Washington	1,750	1,800	1,750	1,700	1,750	1,690
Wisconsin	195	160	290	150	125	245
Wyoming	125	120	115	110	90	95
United States	31,474	30,450	33,648	24,592	23,029	25,464

See footnote(s) at end of table.

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**Winter Wheat Planted and Harvested, Yield, and Production – States and United States:
2019-2021 (continued)**

State	Yield			Production		
	2019 (bushels)	2020 (bushels)	2021 (bushels)	2019 (1,000 bushels)	2020 (1,000 bushels)	2021 (1,000 bushels)
Alabama	72.0	72.0	83.0	6,120	5,040	9,130
Arkansas	52.0	55.0	58.0	2,600	4,125	8,410
California	50.0	75.0	82.0	5,000	6,375	6,560
Colorado	49.0	27.0	37.0	98,000	41,040	69,560
Delaware	72.0	73.0	70.0	3,600	4,015	2,450
Georgia	56.0	55.0	56.0	2,800	4,675	6,160
Idaho	87.0	101.0	71.0	59,160	66,660	45,440
Illinois	67.0	68.0	79.0	36,850	35,360	48,190
Indiana	62.0	70.0	85.0	16,120	17,500	22,950
Kansas	52.0	45.0	52.0	348,400	281,250	364,000
Kentucky	76.0	63.0	87.0	25,080	21,420	30,450
Maryland	75.0	73.0	79.0	12,375	10,950	12,640
Michigan	71.0	75.0	81.0	34,790	33,750	45,360
Mississippi	47.0	48.0	59.0	987	960	4,130
Missouri	63.0	62.0	65.0	24,570	22,940	31,850
Montana	50.0	51.0	31.0	95,000	75,990	53,630
Nebraska	57.0	41.0	49.0	55,290	34,030	41,160
New Jersey	66.0	67.0	67.0	924	1,206	1,072
New Mexico	30.0	28.0	36.0	3,300	3,220	2,700
New York	63.0	66.0	77.0	4,158	7,920	9,625
North Carolina	56.0	60.0	56.0	12,600	21,000	19,320
North Dakota	53.0	49.0	33.0	3,710	1,617	1,980
Ohio	56.0	71.0	85.0	21,560	34,790	43,775
Oklahoma	40.0	40.0	39.0	110,000	104,000	115,050
Oregon	68.0	64.0	45.0	49,640	46,400	31,725
Pennsylvania	73.0	71.0	77.0	10,220	13,490	15,015
South Carolina	48.0	51.0	53.0	2,160	4,845	5,300
South Dakota	52.0	58.0	38.0	40,040	34,800	27,360
Tennessee	67.0	59.0	71.0	14,405	13,570	23,430
Texas	34.0	30.0	37.0	71,400	61,500	74,000
Utah	54.0	53.0	46.0	6,264	5,194	4,508
Virginia	62.0	60.0	67.0	6,510	7,800	8,040
Washington	70.0	76.0	42.0	119,000	133,000	70,980
Wisconsin	64.0	69.0	75.0	9,600	8,625	18,375
Wyoming	43.0	26.0	32.0	4,730	2,340	3,040
United States	53.6	50.9	50.2	1,316,963	1,171,397	1,277,365

¹ Includes area planted in preceding fall.

Other Spring Wheat Area Planted and Harvested, Yield, and Production – States and United States: 2019-2021

State	Area planted			Area harvested		
	2019	2020	2021	2019	2020	2021
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)
Idaho	460	510	510	440	495	485
Minnesota	1,450	1,430	1,210	1,400	1,360	1,160
Montana	2,900	3,350	2,900	2,730	3,310	2,180
North Dakota	6,700	5,700	5,500	5,950	5,630	5,210
South Dakota	640	770	720	590	755	590
Washington	520	550	580	515	545	540
United States	12,670	12,310	11,420	11,625	12,095	10,165
State	Yield			Production		
	2019	2020	2021	2019	2020	2021
	(bushels)	(bushels)	(bushels)	(1,000 bushels)	(1,000 bushels)	(1,000 bushels)
Idaho	89.0	91.0	63.0	39,160	45,045	30,555
Minnesota	57.0	53.0	48.0	79,800	72,080	55,680
Montana	37.0	38.0	17.0	101,010	125,780	37,060
North Dakota	49.0	49.0	33.5	291,550	275,870	174,535
South Dakota	43.0	47.0	29.0	25,370	35,485	17,110
Washington	47.0	61.0	30.0	24,205	33,245	16,200
United States	48.3	48.6	32.6	561,095	587,505	331,140

Durum Wheat Area Planted and Harvested, Yield, and Production – States and United States: 2019-2021

State	Area planted			Area harvested		
	2019	2020	2021	2019	2020	2021
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)
Arizona	36	50	53	35	49	52
California	30	25	25	22	17	20
Idaho	5	10	7	5	9	7
Montana	550	695	670	505	690	635
North Dakota	720	910	880	610	900	820
United States	1,341	1,690	1,635	1,177	1,665	1,534

State	Yield			Production		
	2019	2020	2021	2019	2020	2021
	(bushels)	(bushels)	(bushels)	(1,000 bushels)	(1,000 bushels)	(1,000 bushels)
Arizona	104.0	99.0	90.0	3,640	4,851	4,680
California	102.0	87.0	110.0	2,244	1,479	2,200
Idaho	87.0	89.0	77.0	435	801	539
Montana	43.0	39.0	16.0	21,715	26,910	10,160
North Dakota	42.5	39.0	24.0	25,925	35,100	19,680
United States	45.8	41.5	24.3	53,959	69,141	37,259

Wheat Production by Class – United States: 2019-2021

[Wheat class estimates are based on the latest available data including both surveys and administrative data]

Crop	2019	2020	2021
		(1,000 bushels)	(1,000 bushels)
Winter			
Hard red	844,947	658,977	749,489
Soft red	239,771	266,239	360,689
Hard white	20,266	12,194	20,283
Soft white	211,979	233,987	146,904
Spring			
Hard red	519,929	531,179	297,366
Hard white	11,841	10,693	5,662
Soft white	29,325	45,633	28,112
Durum	53,959	69,141	37,259
Total	1,932,017	1,828,043	1,645,764

Wheat Class Percentage Estimates

The following percentages are the basis for the United States wheat production by class estimates each year. These estimates are based on the latest varietal or class survey data available. These end-of-season percentages will be used during the 2022 forecast season. However, if an unusual situation significantly distorts a State's normal distribution, then updated percentages will be used to forecast the production by class.

Winter Wheat Production Distribution by Class – States: 2020 and 2021

State	Hard red		Soft red		Hard white		Soft white	
	2020 (percent)	2021 (percent)	2020 (percent)	2021 (percent)	2020 (percent)	2021 (percent)	2020 (percent)	2021 (percent)
Alabama	-	-	100	100	-	-	-	-
Arkansas	-	-	100	100	-	-	-	-
California	90	92	1	1	4	3	5	4
Colorado	97	96	-	-	3	4	-	-
Delaware	-	-	100	100	-	-	-	-
Georgia	-	-	98	99	-	-	2	1
Idaho	18	17	-	-	1	1	81	82
Illinois	-	-	100	100	-	-	-	-
Indiana	-	-	100	100	-	-	-	-
Kansas	96	94	1	2	3	4	-	-
Kentucky	-	-	100	100	-	-	-	-
Maryland	-	-	100	100	-	-	-	-
Michigan	-	-	62	64	-	-	38	36
Mississippi	-	-	100	100	-	-	-	-
Missouri	1	1	99	99	-	-	-	-
Montana	100	100	-	-	-	-	-	-
Nebraska	96	95	-	-	4	5	-	-
New Jersey	-	-	100	100	-	-	-	-
New Mexico	99	99	-	-	-	-	1	1
New York	6	5	92	94	-	-	2	1
North Carolina	-	-	100	100	-	-	-	-
North Dakota	99	99	-	-	1	1	-	-
Ohio	-	-	100	100	-	-	-	-
Oklahoma	99	99	1	1	-	-	-	-
Oregon	5	8	-	-	-	-	95	92
Pennsylvania	-	-	100	100	-	-	-	-
South Carolina	-	-	100	100	-	-	-	-
South Dakota	100	100	-	-	-	-	-	-
Tennessee	-	-	100	100	-	-	-	-
Texas	96	94	4	6	-	-	-	-
Utah	69	71	-	-	3	2	28	27
Virginia	1	1	99	99	-	-	-	-
Washington	9	12	-	-	-	-	91	88
Wisconsin	3	3	97	97	-	-	-	-
Wyoming	97	96	-	-	3	4	-	-

- Represents zero.

Other Spring Wheat (excluding Durum) Production Distribution by Class – States: 2020 and 2021

State	Hard red		Hard white		Soft white	
	2020	2021	2020	2021	2020	2021
	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)
Idaho	34	34	23	18	43	48
Minnesota	100	100	-	-	-	-
Montana	100	100	-	-	-	-
North Dakota	100	100	-	-	-	-
South Dakota	100	100	-	-	-	-
Washington	20	16	1	1	79	83

- Represents zero.

Winter Wheat Head Population

The National Agricultural Statistics Service conducted objective yield surveys in 10 winter wheat estimating States during 2021. Randomly selected plots in winter wheat fields were visited monthly from May through harvest to obtain specific counts and measurements. Data in this table are actual field counts from this survey.

Winter Wheat Heads per Square Foot – Selected States: 2017-2021

State	2017	2018	2019	2020	2021
	(number)	(number)	(number)	(number)	(number)
Colorado					
July	43.4	40.6	49.3	43.0	49.9
August	43.2	41.0	50.8	42.7	46.8
Final	43.2	41.0	50.8	42.7	46.8
Illinois					
July	56.4	60.9	48.1	52.5	63.3
August	56.4	60.9	49.2	52.4	63.4
Final	56.4	60.9	49.2	52.4	63.4
Kansas					
July	44.3	37.3	46.9	45.3	51.4
August	44.6	37.3	47.2	45.4	51.4
Final	44.6	37.3	47.2	45.4	51.4
Missouri					
July	53.9	53.7	56.4	52.5	55.4
August	53.9	53.7	56.4	52.5	55.4
Final	53.9	53.7	56.4	52.5	55.4
Montana					
July	44.4	44.1	45.2	37.4	40.2
August	46.2	44.8	43.5	38.8	38.9
Final	46.2	44.7	43.1	38.6	38.9
Nebraska					
July	52.5	50.5	53.1	45.8	47.7
August	53.3	50.4	53.7	45.7	47.0
Final	53.3	50.4	53.7	45.7	47.0
Ohio					
July	58.2	70.3	52.0	64.1	66.7
August	58.2	70.3	53.0	63.9	66.5
Final	58.2	70.3	53.0	63.9	66.5
Oklahoma					
July	35.7	32.9	38.1	38.2	38.2
August	35.7	32.4	38.1	38.3	38.2
Final	35.7	32.4	38.1	38.3	38.2
Texas					
July	26.6	30.9	34.3	32.7	32.1
August	26.8	30.9	34.3	32.7	31.3
Final	26.8	31.1	34.5	32.7	31.3
Washington					
July	34.3	41.8	34.2	37.7	33.3
August	35.8	42.3	34.3	38.3	33.4
Final	35.7	42.3	34.6	38.2	33.4
10 State					
July	41.2	40.1	44.0	42.1	45.5
August	41.7	40.1	44.1	42.3	45.0
Final	41.7	40.2	44.2	42.3	45.0

Rye Area Planted and Harvested, Yield, and Production – States and United States: 2019-2021

State	Area planted ¹			Area harvested		
	2019	2020	2021	2019	2020	2021
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)
Minnesota	50	45	57	18	15	11
North Dakota	85	75	88	57	50	36
Oklahoma	260	270	250	55	52	50
Pennsylvania	100	175	185	14	36	15
Wisconsin	220	215	270	20	20	20
Other States ²	1,140	1,175	1,283	146	157	162
United States	1,855	1,955	2,133	310	330	294

State	Yield			Production		
	2019	2020	2021	2019	2020	2021
	(bushels)	(bushels)	(bushels)	(1,000 bushels)	(1,000 bushels)	(1,000 bushels)
Minnesota	39.0	38.0	44.0	702	570	484
North Dakota	45.0	44.0	32.0	2,565	2,200	1,152
Oklahoma	27.0	14.0	25.0	1,485	728	1,250
Pennsylvania	26.0	52.0	40.0	364	1,872	600
Wisconsin	34.0	40.0	41.0	680	800	820
Other States ²	33.1	34.2	34.0	4,826	5,362	5,502
United States	34.3	34.9	33.4	10,622	11,532	9,808

¹ Includes area planted in preceding fall.

² Other States include Georgia, Illinois, Kansas, Michigan, Nebraska, New York, North Carolina, South Dakota, and Texas.

Small Grain Annual Summary Area Planted and Harvested, Yield, and Production in Domestic Units – United States: 2020-2021

Crop	Area planted		Area harvested	
	2020	2021	2020	2021
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)
Barley	2,726	2,660	2,214	1,948
Oats	3,009	2,550	1,009	650
Rye	1,955	2,133	330	294
Wheat, all	44,450	46,703	36,789	37,163
Winter	30,450	33,648	23,029	25,464
Durum	1,690	1,635	1,665	1,534
Other spring	12,310	11,420	12,095	10,165
Crop	Yield per acre		Production	
	2020	2021	2020	2021
	(bushels)	(bushels)	(1,000 bushels)	(1,000 bushels)
Barley	77.2	60.4	170,813	117,673
Oats	65.1	61.3	65,694	39,836
Rye	34.9	33.4	11,532	9,808
Wheat, all	49.7	44.3	1,828,043	1,645,764
Winter	50.9	50.2	1,171,397	1,277,365
Durum	41.5	24.3	69,141	37,259
Other spring	48.6	32.6	587,505	331,140

Small Grain Annual Summary Area Planted and Harvested, Yield, and Production in Metric Units – United States: 2020-2021

Crop	Area planted		Area harvested	
	2020	2021	2020	2021
	(hectares)	(hectares)	(hectares)	(hectares)
Barley	1,103,180	1,076,480	895,980	788,340
Oats	1,217,710	1,031,960	408,330	263,050
Rye	791,170	863,200	133,550	118,980
Wheat, all	17,988,470	18,900,240	14,888,140	15,039,490
Winter	12,322,810	13,617,010	9,319,610	10,305,030
Durum	683,930	661,670	673,810	620,790
Other spring	4,981,730	4,621,560	4,894,730	4,113,670
Crop	Yield per hectare		Production	
	2020	2021	2020	2021
	(metric tons)	(metric tons)	(metric tons)	(metric tons)
Barley	4.15	3.25	3,719,010	2,562,030
Oats	2.34	2.20	953,550	578,220
Rye	2.19	2.09	292,930	249,130
Wheat, all	3.34	2.98	49,751,180	44,790,360
Winter	3.42	3.37	31,880,200	34,764,180
Durum	2.79	1.63	1,881,710	1,014,020
Other spring	3.27	2.19	15,989,270	9,012,150

Crop Comments

Oats: Production in 2021 was estimated at record low 39.8 million bushels, down 39 percent from 2020. Yield was estimated at 61.3 bushels per acre, down 3.8 bushels from the previous year. Harvested area, at a record low 650 thousand acres, was 36 percent below 2020. Record low acres were planted in Oregon and Wisconsin. Record low acres were harvested in Maine, Michigan, Minnesota, Montana, and New York. Record low production was estimated in Michigan, Montana, Oregon, and Wisconsin.

Nationally, oat producers seeded 72 percent of the 2021 acreage by May 2, seven percentage points ahead of the previous year and 10 percentage points ahead of the 5-year average. Seventy-three percent of the oat acreage was emerged by May 16, six percentage points ahead of the previous year and 7 percentage point ahead of the 5-year average. Heading of the oat acreage advanced to 77 percent complete by June 27, five percentage points ahead of the previous year and 6 percentage point ahead of the 5-year average. Oat producers harvested 48 percent of the acreage by August 1, one percentage point ahead of the previous year and 6 percentage points ahead of the 5-year average. At that time, harvest progress was at or ahead of the 5-year average in 7 of the 9 weekly *Crop Progress* estimating States. Ninety-two percent of the Nation's oat acreage was harvested by August 29, two percentage points ahead of the previous year and 3 percentage points ahead of the 5-year average.

Barley: Production was estimated at 118 million bushels, down 31 percent from the revised 2020 total of 171 million bushels. The average yield, at 60.4 bushels per acre, was down 16.8 bushel from the previous year. Producers seeded 2.66 million acres in 2021, down 2 percent from 2020. Harvested area, at 1.95 million acres, was down 12 percent from 2020.

Record low planted acres were estimated in California, Oregon, New York, and Wisconsin, and record low harvested acres were estimated in California and Wisconsin. Record high yields were estimated in Alaska, Kansas, and New York, while record low production was estimated in California and South Dakota.

Thirteen percent of the Nation's barley acreage was planted by April 11, two percentage points ahead of the previous year and 2 percentage points ahead of the 5-year average. Nationwide, barley producers seeded 35 percent of the Nation's acreage by April 25, twelve percentage points ahead the previous year and 7 percentage points ahead of the 5-year average. By April 25, emergence was evident in 10 percent of the Nation's barley acreage, 3 percentage points ahead of the previous year and 2 percentage points behind the 5-year average. Nationally, 95 percent of the barley acreage was sown by May 30, three percentage points ahead of the previous year, but 1 percentage point behind the 5-year average. Seventy-nine percent of the barley acreage emerged by May 30, five percentage points ahead of the previous year, but 3 percentage points behind the 5-year average. Heading of the Nation's barley acreage advanced to 59 percent complete by July 4, two percentage points ahead of the previous year matching the 5-year average. By August 1, barley producers harvested 13 percent of the Nation's acreage, 9 percentage points ahead of the previous year and 5 percentage points behind the 5-year average. Overall, 24 percent of the barley acreage was reported in good to excellent condition on August 8, compared with 79 percent at the same time last year. By September 12, ninety-seven percent of the barley acreage was harvested, 3 percentage points ahead of the previous year and 4 percentage points ahead of the 5-year average.

Winter wheat: Winter wheat production for 2021 totaled 1.28 billion bushels, up 9 percent from the revised 2020 total of 1.17 billion bushels. The United States yield, at 50.2 bushels per acre, was down 0.7 bushel from 2020. Area harvested for grain was estimated at 25.5 million acres, up 11 percent from the previous year. Record low acres were estimated in Utah in 2021. Record high yields were estimated in Alabama, Illinois, Indiana, New Jersey, New York, Ohio, Pennsylvania, and Texas for 2021.

Compared with 2020, harvested acreage was up 10 percent in the major Hard Red Winter (HRW) growing States, the primary winter wheat-producing area. HRW production totaled 749 million bushels, up 14 percent from 2020.

In the Soft Red Winter (SRW) growing area, planted and harvested acreage increased from 2020. SRW production totaled 361 million bushels, up 35 percent from 2020.

White winter wheat production totaled 167 million bushels, down 32 percent from the previous year. Harvested acreage in the Pacific Northwest (Idaho, Oregon, and Washington) was up slightly from 2020.

Seeding of the 2021 winter wheat acreage began in mid-September 2020 with 10 percent sown by September 13. By October 4, producers had sown 52 percent of the intended 2021 winter wheat acreage, 4 percentage points ahead of the previous year and 5 percentage point ahead of the 5-year average. Nationwide, 24 percent of the winter wheat acreage was emerged by October 4, two percentage points ahead of the previous year and three percentage points ahead of the 5-year average. Emergence was at or behind the 5-year average in 11 of the 18 estimating States. Producers had sown 85 percent of the intended 2021 winter wheat acreage by October 25, two percentage points ahead of the previous year and 5 percentage points ahead of the 5-year average. Winter wheat planting had double-digit advances in 6 of the 18 estimating States during the week. Nationwide, 62 percent of the winter wheat acreage had emerged by October 25, two percentage points ahead of both the previous year and the 5-year average. Emergence was at or ahead of the 5-year average in 11 of the 18 estimating States. Overall, 41 percent of the 2021 winter wheat acreage was reported in good to excellent condition based on conditions as of October 25, compared with 56 percent at the same time the previous year.

Seeding of the 2021 acreage was nearing completion (96 percent) by November 15, two percentage points ahead of the previous year and the 5-year average. Winter wheat planting was complete or nearing completion in 13 of the 18 estimating States. Nationwide, 85 percent of the winter wheat acreage had emerged by November 15, three percentage points ahead of the previous year and 1 percentage point ahead of the 5-year average. Winter wheat emergence advanced by 10 percentage points or more from the previous week in 6 of the 18 estimating States. Overall, 43 percent of the 2021 winter wheat acreage was reported in good to excellent condition for the week ending November 22, 3 percentage points below the previous week and 9 percentage points below the same time the previous year as the acreage was entering dormancy.

As the acreage was emerging from dormancy, fifty-three percent of the 2021 winter wheat acreage was reported in good to excellent condition, 9 percentage points below the previous year as of April 5. In Kansas, the largest winter wheat-producing State, 54 percent of the winter wheat acreage was rated in good to excellent condition. By April 18, ten percent of the Nation's winter wheat acreage was headed, 3 percentage points behind the previous year and 4 percentage points behind the 5-year average. On April 18, fifty-three percent of the 2021 winter wheat acreage was reported in good to excellent condition, equal to the previous week but four percentage points below the previous year. In Kansas, the largest winter wheat-producing State, 55 percent of the winter wheat acreage was rated in good to excellent condition.

By May 2, twenty-seven percent of the Nation's winter wheat acreage was headed, 3 percentage points behind the previous year and 7 percentage points behind the 5-year average. On May 2, forty-eight percent of the 2021 winter wheat acreage was reported in good to excellent condition, 1 percentage point below the previous week and 7 percentage points below the same time the previous year. In Kansas, the largest winter wheat-producing State, 55 percent of the winter wheat acreage was rated in good to excellent condition. By June 6, eighty-five percent of the Nation's winter wheat acreage was headed, 1 percentage points ahead of the previous year but 1 percentage point behind the 5-year average. Two percent of the 2021 winter wheat acreage was harvested by June 6, 4 percentage points behind the previous year and 5 percentage point behind of the 5-year average. As of June 6, fifty percent of the 2021 winter wheat acreage was reported in good to excellent condition, 2 percentage points above the previous week but 1 percentage points below the same time the previous year. In Kansas, the largest winter wheat-producing State, 65 percent of the winter wheat acreage was rated in good to excellent condition. Thirty-three percent of the 2021 winter wheat acreage was harvested by June 27, six percentage points behind the previous year and seven percentage points behind the 5-year average. As of June 27, forty-eight percent of the 2021 winter wheat acreage was reported in good to excellent condition, 1 percentage points below the previous week and 4 percentage points below the same time the previous year.

In Kansas, the largest winter wheat-producing State, 85 percent of the State's winter wheat acreage was harvested by July 11, 8 percentage points behind the previous year and 4 percentage points behind the 5-year average. Fifty-nine percent of the 2021 winter wheat acreage had been harvested by July 11, seven percentage points behind the previous year and 6 percentage points behind the 5-year average. In Kansas, 98 percent of the State's winter wheat acreage was harvested by July 25, one percentage point behind the previous year and the 5-year average. Eighty-four percent of the 2021 winter wheat acreage had been harvested by July 25, four percentage points ahead of the

previous year and 3 percentage points ahead the 5-year average. Winter wheat harvest progress continued with advances of 20 percentage points or more from the previous week reported in Colorado, Michigan, Nebraska, Oregon, South Dakota, and Washington.

Ninety-one percent of the 2021 winter wheat acreage had been harvested by August 1, seven percentage points ahead of the previous year and 5 percentage points ahead the 5-year average. Winter wheat harvest progress was complete or nearing completion in all estimating States except Idaho, Michigan, Montana, Oregon, and Washington.

Ninety-five percent of the 2021 winter wheat acreage had been harvested by August 8, six percentage point ahead of the previous year and 4 percentage points behind the 5-year average. Winter wheat harvest progress was complete or nearing completion in all estimating States except Idaho, Montana, Oregon, and Washington.

Other spring wheat: Production for 2021 was estimated at 331 million bushels, down 44 percent from the revised 2020 total of 588 million bushels. Harvested area totaled 10.2 million acres, down 16 percent from 2020. The United States yield was estimated at 32.6 bushels per acre, down 16.0 bushel from the record high of 48.6 bushels per acre in 2020. Of the total production, 297 million bushels were Hard Red Spring wheat, down 44 percent from the 2020 total.

Seeding of the 2021 spring wheat acreage began in early April. Twenty-eight percent of the spring wheat acreage was seeded by April 25, fifteen percentage points ahead of the previous year and 9 percentage points ahead of the 5-year average. As of April 25, Washington and Idaho led the Nation in planting progress with 80 percent and 64 percent planted, respectively. By April 25, seven percent of the Nation's spring wheat acreage had emerged, 3 percentage points ahead of last year and 2 percentage points ahead the 5-year average.

As of May 9, seventy percent of the spring wheat acreage was seeded, 30 percentage points ahead of the previous year and 19 percentage points ahead of the 5-year average. Minnesota and Idaho had the largest percentages of acres planted, with 97 percent and 93 percent planted, respectively. As of May 9, twenty-nine percent of the Nation's spring wheat acreage had emerged, 14 percentage points ahead of the previous year and 9 percentage points ahead of the 5-year average. As of May 23, ninety-four percent of the spring wheat acreage was seeded, 16 percentage point ahead of the previous year and 9 percentage points ahead of the 5-year average. As of May 23, sixty-six percent of the Nation's spring wheat acreage had emerged, 18 percentage points ahead of the previous year and 10 percentage points ahead of the 5-year average.

As of May 30, ninety-seven percent of the spring wheat acreage had been seeded, 7 percentage points ahead of the previous year and 4 percentage points ahead of the 5-year average. As of May 30, eighty percent of the Nation's spring wheat acreage had emerged, 15 percentage point ahead of the previous year and 7 percentage points ahead of the 5-year average. Forty-three percent of the Nation's spring wheat was rated in good to excellent condition, two percentage points below the previous week and thirty-seven percentage point below the same time the previous year. By June 20, twenty-seven percent of the Nation's spring wheat acreage had reached the headed stage, 16 percentage points ahead of the previous year and 9 percentage points ahead the 5-year average. Twenty-seven percent of the Nation's spring wheat was rated in good to excellent condition, 10 percentage points below the previous week and 48 percent below the same time the previous year.

By July 5, sixty-nine percent of the Nation's spring wheat acreage had reached the headed stage, 10 percentage points ahead of the previous year and 7 percentage points ahead of the 5-year average. Sixteen percent of the Nation's spring wheat was rated in good to excellent condition, 4 percentage point below the previous week and 54 percentage points below the same time the previous year. By July 25, ninety-seven percent of the Nation's spring wheat acreage had reached the headed stage, 1 percentage point ahead of the previous year and equal to the 5-year average. By July 25, three percent of the spring wheat had been harvested, 2 percentage points ahead of the previous year and 1 percentage points ahead of the 5-year average. Nine percent of the Nation's spring wheat was rated in good to excellent condition, 2 percentage points below the previous week and 61 percentage points below the same time the previous year.

By August 1, seventeen percent of the spring wheat had been harvested, 13 percentage points ahead of the previous year and 9 percentage points ahead of the 5-year average. Harvest progress was ahead of the 5-year average in all of the 6 estimating States. Ten percent of the Nation's spring wheat was rated in good to excellent condition, 1 percentage point above the previous week but 63 percent below the same time the previous year. By August 29, eighty-eight percent of the

spring wheat had been harvested, 22 percentage points ahead of the previous year and 17 percentage points ahead of the 5-year average. Harvest progress was 20 percentage points or more, ahead of last year, in North Dakota and Washington.

By September 5, ninety-five percent of the spring wheat was harvested, 15 percentage points ahead of the previous year and 12 percentage points ahead the 5-year average. Harvest progress advanced 10 percentage points or more in 2 of the 6 estimating States during the week.

Durum wheat: Production for 2021 was estimated at 37.3 million bushels, down 46 percent from the 2020 total of 69.1 million bushels. Area harvested for grain totaled 1.53 million acres, down 8 percent from the previous year. The United States yield was estimated at 24.3 bushels per acre, down 17.2 bushels from the 2020 yield. Production in North Dakota, the largest Durum wheat-producing State, was down 44 percent from 2020. The decrease in production is a result of dry conditions in the major Durum wheat growing States. Harvest began in the two major Durum-wheat producing States of Montana and North Dakota in early August. Harvest was 96 percent complete in both Montana and North Dakota by September 12.

Rye: Production for 2021 was estimated at 9.8 million bushels, down 15 percent from the 2020 total. Harvested area totaled 294,000 acres, down 36,000 acres from 2020. The United States yield, at 33.4 bushels per acre, was down 1.5 bushel from the previous year. Planted area totaled 2.13 million acres, up 9 percent from 2020, and the highest since 1988. Much of those acres were used as cover crop.

Record high planted area was estimated in Pennsylvania. Record high yields were estimated in Minnesota and Wisconsin.

Statistical Methodology

Survey procedures: Objective yield and farm operator surveys were conducted to gather information on small grain acreage, yield, and production. The objective yield survey was conducted in 10 States that accounted for 71 percent of the 2021 winter wheat production. Early in the growing season, farm operators were interviewed to seek permission to randomly locate two sample plots in selected winter wheat fields. Throughout the growing season, counts such as number of stalks, heads in late boot, and number of emerged heads were collected from these plots. The plots were revisited each month until crop maturity when the heads were clipped, threshed, and weighed. After the farm operator harvested the sample field, enumerators revisited the sample to collect data in order to measure harvesting loss.

Data from operators was collected by mail, internet, or telephone, to obtain information on crop acreage, yield and production for the 2021 crop year. Approximately 62,200 producers were interviewed during the first two weeks of September and asked questions pertaining to planted and harvested area as well as yield and production.

Estimating Procedures: National and State level objective yield and grower reported data were reviewed for reasonableness and consistency with historical estimates. The survey data were also reviewed considering weather patterns and crop progress compared with previous years. Each Regional Field Office submits an estimate and written analysis for their State to the Agricultural Statistics Board (ASB). The ASB uses the survey data, administrative data, and the State analysis to prepare the estimates published in this report.

Revision Policy: Estimates contained in this report may be revised in the *Crop Production Annual Summary* report published in January should new information become available. Previous year acreage, yield, and production estimates can be revised in the *Small Grain Summary* published the following year, if new information is available that would justify a change. Estimates will also be reviewed after data for the 5-year Census of Agriculture are available. No revisions will be made after that date.

Reliability: The surveys used to make the acreage, yield, and production estimates contained in this report are subject to sampling and non-sampling type errors that are common to all surveys. Reliability of the objective yield and farmer survey must be treated separately because the survey designs for the two surveys are different. The objective yield indications are subject to sampling variability because all acres of winter wheat are not included in the sample.

The farm operator survey indications are also subject to sampling variability because all operations with small grains are not included in the sample. This variability, as measured by the relative standard error at the National level, is approximately 1.9 percent for winter wheat, 6.8 percent for Durum wheat, and 4.0 percent for other spring wheat. This means that chances are approximately 95 out of 100 that survey estimates for production will be within plus or minus 3.8 percent for winter wheat, 13.6 percent for Durum wheat, and 8.0 percent for other spring wheat of the value that could be developed by averaging the estimates produced from all possible samples selected from the same population and surveyed using the same procedures. The relative standard errors for barley, oats, and rye are 4.7, 4.1, and 13.2 percent, respectively.

Survey indications are also subject to non-sampling errors such as omission, duplication, imputation for missing data, and mistakes in reporting, recording, and processing the data. These errors cannot be measured directly, but they are minimized through rigid quality controls in the data collection process and a careful review of all reported data for consistency and reasonableness.

Information Contacts

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Joshua Bates – Oats, Soybeans	(202) 690-3234
David Colwell – Current Agricultural Industrial Reports	(202) 720-8800
Michelle Harder – Barley, County Estimates, Hay	(202) 690-8533
James Johanson – Rye, Wheat	(202) 720-8068
Greg Lemmons – Corn, Flaxseed, Proso Millet	(202) 720-9526
Becky Sommer – Cotton, Cotton Ginnings, Sorghum	(202) 720-5944
Travis Thorson – Sunflower, Other Oilseeds	(202) 720-7369
Lihan Wei – Peanuts, Rice	(202) 720-7688

Access to NASS Reports

For your convenience, you may access NASS reports and products the following ways:

- All reports are available electronically, at no cost, on the NASS web site: www.nass.usda.gov
- Both national and state specific reports are available via a free e-mail subscription. To set-up this free subscription, visit www.nass.usda.gov and click on “National” or “State” in upper right corner above “search” box to create an account and select the reports you would like to receive.
- Cornell’s Mann Library has launched a new website housing NASS’s and other agency’s archived reports. The new website, <https://usda.library.cornell.edu>. All email subscriptions containing reports will be sent from the new website, <https://usda.library.cornell.edu>. To continue receiving the reports via e-mail, you will have to go to the new website, create a new account and re-subscribe to the reports. If you need instructions to set up an account or subscribe, they are located at: <https://usda.library.cornell.edu/help>. You should whitelist notifications@usda-esmis.library.cornell.edu in your email client to avoid the emails going into spam/junk folders.

For more information on NASS surveys and reports, call the NASS Agricultural Statistics Hotline at (800) 727-9540, 7:30 a.m. to 4:00 p.m. ET, or e-mail: nass@usda.gov.

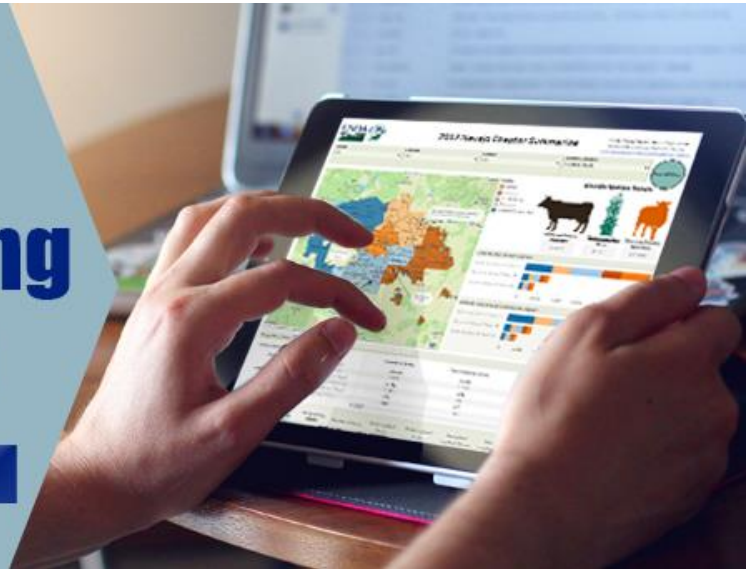
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2021 USDA Fall Virtual Data Users' Meeting

Oct. 13 & 14, 2021

FREE AND OPEN TO THE PUBLIC



USDA Fall Data Users' Meeting

Virtual Meeting

October 13 & 14, 2021

12:00 – 3:00 pm ET

USDA's National Agricultural Statistics Service (NASS) will hold a virtual meeting for users of U.S. domestic and international agriculture data. Along with NASS, the 2021 Fall Data Users' Meeting will headline the Agricultural Marketing Service, Economic Research Service, Farm Service Agency, Foreign Agricultural Service, World Agricultural Outlook Board – and the Census Bureau's Foreign Trade Division. Representatives will provide agency updates, answer questions, and listen to concerns from data users.

Abbreviated Agenda

Day 1 – October 13

Agency Updates– *All agencies*

AMS Transportation & Marketing Program - *Agricultural Marketing Service*

NASS Milk Production Program - *National Agricultural Statistics Service*

Showcasing ERS Data and New Initiatives - *Economic Research Service*

Foreign Production, Trade, and Import/Export Data - *World Agricultural Outlook Board, Foreign Agricultural Service, and U.S. Census Bureau*

Day 2 – October 14

Open Forum – *All agencies*

Climate Information for Informed Decision Making - *World Agricultural Outlook Board*

AMS Market News - *Agricultural Marketing Service*

NASS Modernization - *National Agricultural Statistics Service*

GADAS Demo – *Foreign Agricultural Service*

For registration details or additional information about the Data Users' Meeting, see the meeting page on the NASS website (https://www.nass.usda.gov/Education_and_Outreach/Meeting/index.php).