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Policy Research Institute
University of Missouri

Rural & Farm Finance
Policy Analysis Center
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Estimates of the Economic Assistance for Producers contained in the American Relief Act of 2025

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See companion pieces published by MU's Rural & Farm Finance Policy Analysis Center: American Relief Act, 2025: Economic Assistance for Crop Producers and American Relief Act of 2025: Economic Assistance for Missouri Crop Producers.

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Payment calculator tools

Two excel-based tools to help farmers estimate their potential payments are provided at the links below based on joint efforts between the Food and Agricultural Policy Research Institute (FAPRI-MU) and the Rural and Farm Finance Policy Analysis Center (RaFF), both at the University of Missouri. The tools are valid for all farms in the United States, since payment rates per acre are nationally determined.

Download the American Relief Act 2025 Economic Assistance Calculators here:

- ***Single farm***
- ***Multiple farms***

Background (or introduction)

In addition to a one-year farm bill extension, the American Relief Act of 2025 recently passed by Congress contained $10 billion in economic assistance for farmers. This economic assistance is intended to offset part of the economic loss producers are facing following a decline in crop prices while total production cost estimates remain elevated. This is separate from the amount allocated in the same legislation for losses from natural disasters. Below we estimate what per-acre payment to farmers might be under this economic assistance as well as the total by crop and state.

This economic assistance consists of per-acre payments, paid on both planted and 50% of prevent-planted acres, based on an overall estimate of the expected revenue loss relative to the estimated total cost of production, subject to a minimum payment based on statutory reference prices and program yields for Title 1 commodities, excluding graded wool, nongraded wool, mohair, and honey.

Commodity eligibility

The following commodities are understood to be eligible for payments:

- Corn, soybeans, wheat, cotton (both upland and ELS), rice (both long grain and medium grain), grain sorghum, barley, oats, peanuts, sunflowers, canola, dry peas, lentils, large chickpeas, small chickpeas, flaxseed, mustard seed, rapeseed, safflower, sesame seed, and crambe.

Payment limitations

The following are the rules, as written in the legislation, regarding payment limits:

> *The total amount of payments received, directly or indirectly, by a person or legal entity (except a joint venture or general partnership) under this section may not exceed—*
>
> - *$125,000, if less than 75% of the average gross income of the person or legal entity for the 2020, 2021, and 2022 tax years is derived from farming, ranching, or silviculture activities; and*
> - *$250,000, if not less than 75% of the average gross income of the person or legal entity for the 2020, 2021, and 2022 tax years is derived from farming, ranching, or silviculture activities.*
> - *The payment limitations under [this] paragraph shall be separate from annual payment limitations under any other program.*

For the purposes of the estimates in this report, payment limits are not considered. For the 9 major crops, farms ranging in size from 1,400 acres ($125,000 limit with all cotton) to 11,500 acres ($250,000 limit with all barley) could remain at or under the payment limits depending on crop mix and which limit the person or entity is subject to.

Data and sources

There are several pieces of data needed to calculate an estimate of the per-acre payments for the various crops. The following summarizes the data sources used to calculate various components of the payment formula as well as how some of the values used here are calculated.

Two payment factors are set by the legislation and used in the calculation of payments. These factors are an economic loss payment factor of 26% and a minimum payment factor of 8%.

For the Economic Loss Calculation:

- Projected average farm prices – These are taken from the 2024 December World Agricultural Supply and Demand Estimates (WASDE) published monthly by the USDA World Agricultural Outlook Board. For those crops without prices available in the December WASDE, the projected Market Year Average Prices available from the USDA Farm Service Agency (FSA) are used.

- Yields – As specified in the legislation, the yields to be used are the "national average harvested yield per acre for the applicable eligible commodity for the most recent 10 crop years, as determined by the Secretary." This is assumed to be the average for 2015/16 through 2024/25 (using the December estimates for 2024/25) for all crops except Sesame, Flaxseed, Mustard, Rapeseed, and Safflower, for which there are no 2024/25 yield estimates currently available from USDA National Agricultural Statistic Service (NASS). For these crops, the 2014/15 to 2023/24 average yields are used. The 2024/25 yields should be finalized with the January release of the WASDE and NASS Crop Production. Any revision to the 2024/25 yields relative to their December value could influence the 10-year average yield and alter the estimates in this report. For cotton, upland cotton yields are used for the purposes of these estimates and the minimum payment calculation is assumed to be based on seed cotton. ELS cotton is assumed to get a payment equal to that of upland cotton. For rice, all acres are assumed to get a payment based on the all-rice price, all-rice yield, and all-rice cost of production. For the minimum payment, an all-rice PLC yield (weighted average of types) and the long grain or medium/short grain statutory reference price is used. It is possible that USDA will interpret these provisions differently during enactment for calculating actual payments. This could mean different payment calculations for long grain, medium/short grain, and temperate japonica. These assumptions may or may not match the final determination made by the Secretary.

- Total Cost of Production – For those 9 crops with total costs reported by the USDA Economic Research Service (ERS), those values are incorporated into the calculations here. For the remaining crops, that determination (or similar calculation) is up to the Secretary. The ERS publishes estimates for: corn, soybeans, wheat, cotton, rice, peanuts, sorghum, oats, and barley.

For the minimum payment calculation:

- Statutory reference prices – The statutory reference prices are taken from USDA FSA in their "2024 Effective Reference Price Calculations" table available in the 2024 Program Data section of their website. This file contains both the statutory reference prices in addition to the effective reference prices. The statutory reference prices are to be used in the minimum payment calculation.

- National Average Payment Yields – These are the payment yields associated with the Price Loss Coverage (PLC) program and are calculated using the file titled "Program Year 2024 Average PLC Yield by County" also available from USDA's FSA 2024 Program Data website. The national average is calculated as the average of the PLC yields by county weighted by the total enrolled base acres in any of the three programs (PLC, ARC-CO, or ARC-IC). It is possible that the Secretary may make a slightly different calculation (for example, using total base acres instead of enrolled base acres) so this could be another source of uncertainty in these estimates.

Payment rate calculations

The following calculations are needed to determine the economic loss payment, the minimum payment, the effective payment and total payments:

- Economic loss ($/acre) = Max(0, total cost of production ($/acre) – (projected average farm price ($/unit) * 10-year average yield (units/acre))
- Economic loss payment ($/acre) = Economic Loss * 26%
- Minimum payment = Statutory Reference Price ($/unit) * National Average Payment Yield (units/acre) * 8%
- Effective payment ($/acre) = Max(Economic Loss Payment, Minimum Payment)
- Total Payment, for one crop ($) = Effective Payment ($/acre) * (planted acres + 0.5* prevented plant acres)

Table 1 summarizes these calculations for each of the eligible crops. For the 12 crops for which a total cost of production estimate is not available from the USDA ERS (indicated by 'TBD' in the table), the minimum payment rate has been used. Determining the total cost of production for those crops or an economic loss for those crops is at the discretion of the Secretary and could be larger than the minimum payment used here. For that reason, producers of these crops should expect to receive *at least* the amounts shown here.

Table 1: Economic assistance calculations by crop for 2024

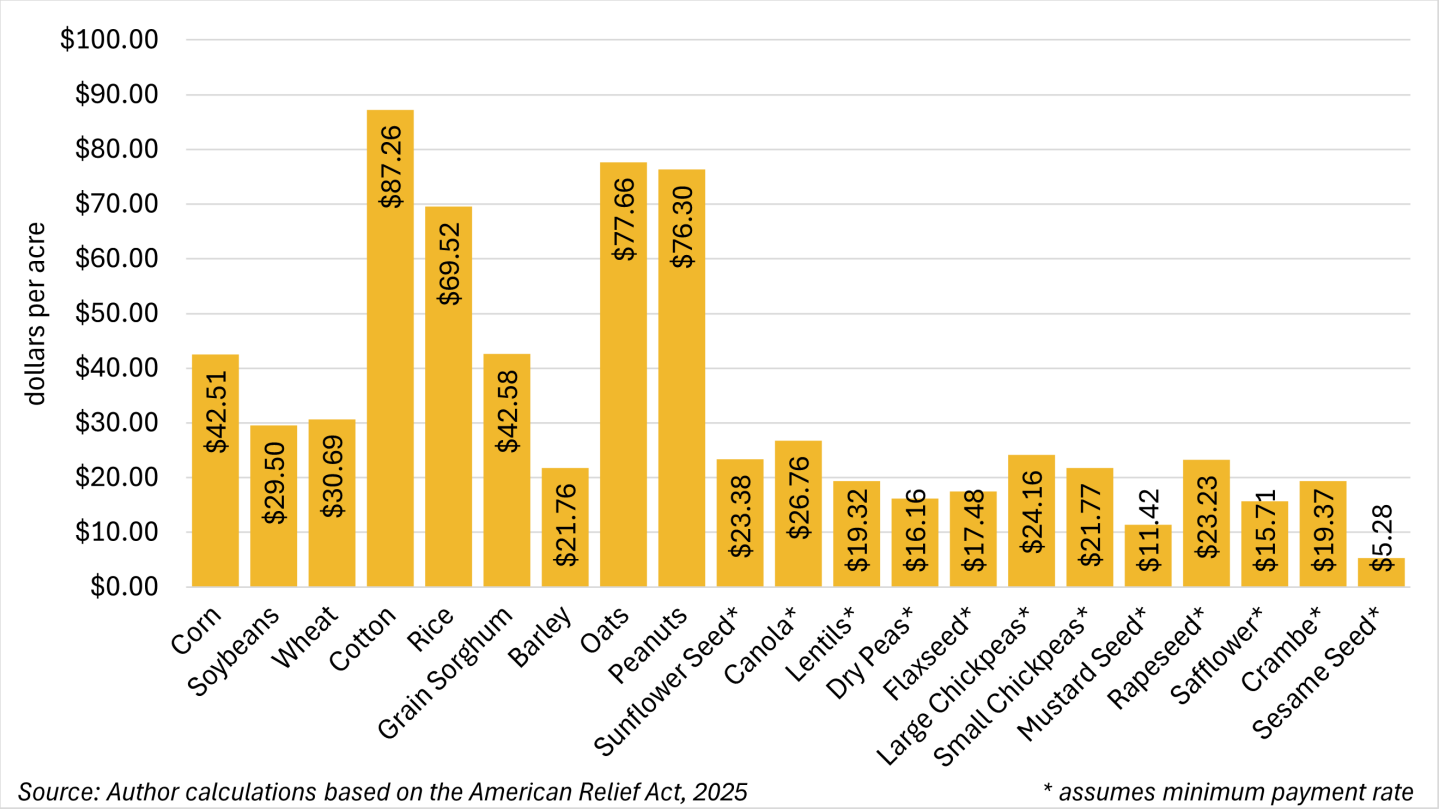
Crop	Units	Total cost of production (a) $/acre	Projected average farm price (b) $/unit	10-year national average harvested yield (c) units/acre	Gross returns (d) $/acre	Economic loss (e) $/acre	Economic assistance (f) $/acre	Statutory reference price (g) $/unit	National average program yields (h) units/acre	Minimum payment rate (i) $/acre	Final economic assistance rate (j) $/acre
Corn	bu.	$879	$4.10	174.5	$716	$163	$42.51	$3.70	143.1	$42.35	$42.51
Soybeans	bu.	$625	$10.20	50.2	$512	$113	$29.50	$8.40	40.9	$27.46	$29.50
Wheat	bu.	$388	$5.60	48.2	$270	$118	$30.69	$5.50	41.8	$18.39	$30.69
Cotton	lb.	$895	$0.66	846.9	$559	$336	$87.26	$0.367	1,828	$53.67	$87.26
Rice	lb.	$1,315	$0.156	7,534	$1,175	$140	$36.28	$0.140	6,207	$69.52	$69.52
Grain sorghum	bu.	$437	$4.10	66.7	$273	$164	$42.58	$3.95	63.8	$20.17	$42.58
Barley	bu.	$472	$6.60	73.4	$484	$0	$0.00	$4.95	55.0	$21.76	$21.76
Oats	bu.	$524	$3.40	66.4	$226	$299	$77.66	$2.40	52.1	$10.01	$77.66
Peanuts	lb.	$1,185	$0.265	3,891	$1,031	$154	$39.99	$0.2675	3,566	$76.30	$76.30
Sunflower seed	lb.	*TBD*	$0.1975	1,700	$336	*TBD*	*TBD*	$0.2015	1,450	$23.38	*$23.38*
Canola	lb.	*TBD*	$0.2030	1,729	$351	*TBD*	*TBD*	$0.2015	1,660	$26.76	*$26.76*
Lentils	lb.	*TBD*	$0.3400	1,080	$367	*TBD*	*TBD*	$0.1997	1,210	$19.32	*$19.32*
Dry peas	lb.	*TBD*	$0.1385	1,820	$252	*TBD*	*TBD*	$0.1100	1,837	$16.16	*$16.16*
Flaxseed	bu.	*TBD*	$13.00	18.9	$245	*TBD*	*TBD*	$11.28	19.4	$17.48	*$17.48*
Large chickpeas	lb.	*TBD*	$0.3300	1,304	$430	*TBD*	*TBD*	$0.2154	1,402	$24.16	*$24.16*
Small chickpeas	lb.	*TBD*	$0.2600	1,376	$358	*TBD*	*TBD*	$0.1904	1,429	$21.77	*$21.77*
Mustard seed	lb.	*TBD*	$0.4800	720	$345	*TBD*	*TBD*	$0.2015	708	$11.42	*$11.42*
Rapeseed	lb.	*TBD*	$0.1600	1,768	$283	*TBD*	*TBD*	$0.2015	1,441	$23.23	*$23.23*
Safflower	lb.	*TBD*	$0.3000	1,242	$373	*TBD*	*TBD*	$0.2015	975	$15.71	*$15.71*
Crambe	lb.	*TBD*	$0.1920	1,400^	$269	*TBD*	*TBD*	$0.2015	1,202	$19.37	*$19.37*
Sesame seed	lb.	*TBD*	$0.3900	549	$214	*TBD*	*TBD*	$0.2015	327	$5.28	*$5.28*

^ assumed value based on ARC program data; no yield data available from NASS.
Note: Crops and payment rates in italics are those for which we do not know estimates of total costs of production. The payment rate shown for those crops is the minimum payment rate. Final payment rates could be higher.

Payments

Estimated per-acre payment rates vary from $5.28/acre (sesame seed) to $77.66/acre (cotton). If considering only the major 9 crops, the lowest payment rate would instead be $21.76/acre (barley). Chart 1 below summarizes these payment rates. Of the 9 crops with known estimated total production cost, three have economic losses that are projected to be less than the minimum payment and are thus expected to receive the minimum payment amount instead. Those crops are rice, barley, and peanuts. For rice, this result may be different if actual payments vary by the individual types of rice instead of according to the assumptions we have made here.

Chart 1: Per acre payment rates by crop



Source: Author calculations based on the American Relief Act, 2025

** assumes minimum payment rate*

Payments are to be made on the number of planted acres and one-half of the prevented plant acres of eligible crops. For the purposes of these calculations, planted acres are the sum of planted and failed acres. Table 7 and Table 8 in the appendix report the combined number of acres, which are used to estimate total payments by crop and state. The FSA acreage data as of December 2, 2024 is used for the purposes of these estimates. Any revisions to those data in the January release will alter these estimates.

Overall, payments are estimated to total about $9.8 billion for the 20 crops covered here. That total is comprised of approximately $9.7 billion for the major 9 crops and $148 million for the other 11 crops. Shown below in Table 2 and Table 3 are the total payments estimated for each crop and state, split to show the totals for the 9 major crops and the other 11 crops separately.

Table 2: Payments by state, top 9 crops, million dollars

State	Corn	Soybeans	Wheat	Cotton	Sorghum	Rice	Barley	Oats	Peanuts	Other 11 crops	Total
Alabama	11	10	3	35	<0.5	-	<0.5	1	14	<0.5	74
Alaska	-	-	<0.5	-	-	-	<0.5	<0.5	-	<0.5	<0.5
Arizona	4	<0.5	2	12	<0.5	-	<0.5	2	-	<0.5	20
Arkansas	26	90	3	56	1	107	-	<0.5	3	<0.5	286
California	15	<0.5	9	15	1	35	1	4	-	1	81
Colorado	62	<0.5	74	<0.5	19	<0.5	1	3	<0.5	1	160
Connecticut	1	<0.5	<0.5	-	-	-	<0.5	<0.5	-	<0.5	1
Delaware	7	4	1	-	<0.5	-	<0.5	<0.5	-	<0.5	13
Florida	3	1	<0.5	7	<0.5	2	<0.5	<0.5	12	<0.5	25
Georgia	15	5	2	95	1	<0.5	<0.5	2	64	<0.5	185
Hawaii	-	-	-	-	-	-	-	-	-	-	-
Idaho	15	<0.5	36	-	<0.5	-	11	2	-	6	70
Illinois	452	316	20	<0.5	<0.5	<0.5	<0.5	1	-	<0.5	790
Indiana	220	171	8	-	<0.5	-	<0.5	<0.5	-	<0.5	400
Iowa	543	294	1	-	<0.5	-	<0.5	8	-	<0.5	846
Kansas	264	133	257	11	111	-	<0.5	11	-	<0.5	787
Kentucky	58	59	14	-	<0.5	<0.5	<0.5	<0.5	-	<0.5	132
Louisiana	25	33	1	14	2	34	-	<0.5	<0.5	<0.5	108
Maine	1	<0.5	<0.5	-	-	-	<0.5	1	-	<0.5	3
Maryland	18	14	4	<0.5	<0.5	-	<0.5	<0.5	-	<0.5	37
Massachusetts	1	<0.5	<0.5	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	1
Michigan	94	63	12	-	<0.5	-	<0.5	2	-	<0.5	172
Minnesota	349	217	37	-	<0.5	-	1	11	-	4	619
Mississippi	25	67	1	46	<0.5	11	-	<0.5	2	<0.5	152
Missouri	146	174	17	35	2	16	<0.5	1	2	<0.5	392
Montana	5	1	156	-	<0.5	-	19	4	-	37	223
Nebraska	425	155	30	-	8	-	<0.5	8	<0.5	2	627
Nevada	1	-	<0.5	-	<0.5	-	<0.5	<0.5	-	<0.5	1
New Hampshire	<0.5	<0.5	<0.5	-	-	-	<0.5	<0.5	-	-	<0.5
New Jersey	3	3	1	-	<0.5	-	<0.5	<0.5	-	<0.5	6
New Mexico	4	-	17	5	2	-	<0.5	<0.5	1	<0.5	30
New York	42	11	3	-	<0.5	<0.5	<0.5	2	-	<0.5	58
North Carolina	37	48	11	36	<0.5	<0.5	<0.5	1	10	<0.5	143
North Dakota	176	196	199	-	<0.5	-	8	19	<0.5	74	672
Ohio	139	147	15	-	<0.5	-	<0.5	1	-	<0.5	303
Oklahoma	18	15	196	37	15	-	1	3	1	1	287
Oregon	4	<0.5	22	-	<0.5	-	1	1	-	1	28
Pennsylvania	38	17	4	-	<0.5	-	1	2	-	<0.5	62
Rhode Island	<0.5	-	<0.5	-	-	-	-	-	-	-	<0.5
South Carolina	14	11	2	20	<0.5	<0.5	<0.5	1	6	<0.5	54
South Dakota	256	161	45	-	15	-	1	20	-	7	505
Tennessee	30	53	10	25	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	119
Texas	92	3	232	518	67	13	<0.5	20	18	1	965
Utah	3	<0.5	3	-	<0.5	-	<0.5	1	-	<0.5	7
Vermont	4	<0.5	<0.5	-	-	-	<0.5	<0.5	-	<0.5	4
Virginia	17	18	3	8	<0.5	-	<0.5	<0.5	2	<0.5	49
Washington	6	<0.5	68	-	<0.5	-	2	1	-	9	85
West Virginia	2	1	<0.5	-	<0.5	-	<0.5	<0.5	-	<0.5	3
Wisconsin	159	63	7	-	<0.5	-	<0.5	9	-	<0.5	239
Wyoming	4	<0.5	3	-	<0.5	-	1	2	-	<0.5	10
US total	**3,829**	**2,553**	**1,532**	**975**	**248**	**216**	**49**	**147**	**137**	**148**	**9,834**

Table 3: Payments by state, other 12 crops, million dollars

State	Major 9 crops	Canola	Peas	Lentils	Sunflowers	Lg. chickpeas	Mustard	Flax	Sm. chickpeas	Safflower	Sesame	Rapeseed	Total
Alabama	74	<0.5	<0.5	-	<0.5	-	-	-	-	-	<0.5	<0.5	74
Alaska	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	-	<0.5
Arizona	20	-	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	<0.5	-	-	20
Arkansas	286	-	<0.5	<0.5	<0.5	-	-	-	-	-	<0.5	-	286
California	80	<0.5	<0.5	-	<0.5	<0.5	<0.5	-	<0.5	1	-	<0.5	81
Colorado	159	<0.5	<0.5	<0.5	1	<0.5	<0.5	<0.5	-	<0.5	-	-	160
Connecticut	1	-	-	-	<0.5	-	-	-	-	-	-	-	1
Delaware	13	-	-	-	<0.5	-	-	-	-	-	-	<0.5	13
Florida	25	<0.5	<0.5	-	<0.5	-	-	-	-	-	<0.5	<0.5	25
Georgia	185	<0.5	<0.5	-	<0.5	-	-	-	-	<0.5	<0.5	<0.5	185
Hawaii	-	-	-	-	-	-	-	-	-	-	-	-	-
Idaho	63	3	<0.5	1	<0.5	2	<0.5	<0.5	1	<0.5	-	<0.5	70
Illinois	790	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	-	790
Indiana	400	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	<0.5	400
Iowa	846	-	<0.5	-	<0.5	-	<0.5	<0.5	-	-	-	-	846
Kansas	787	<0.5	<0.5	-	<0.5	-	-	-	<0.5	-	<0.5	-	787
Kentucky	131	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	<0.5	132
Louisiana	108	-	<0.5	-	<0.5	-	-	-	-	-	<0.5	-	108
Maine	3	-	<0.5	-	<0.5	-	<0.5	-	-	-	-	-	3
Maryland	37	-	<0.5	-	<0.5	-	-	-	-	-	-	-	37
Massachusetts	1	-	<0.5	-	<0.5	-	-	-	<0.5	-	-	-	1
Michigan	172	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	<0.5	172
Minnesota	616	3	<0.5	<0.5	1	<0.5	<0.5	<0.5	-	-	-	-	619
Mississippi	152	<0.5	<0.5	-	<0.5	-	-	-	-	-	<0.5	-	152
Missouri	391	<0.5	<0.5	-	<0.5	-	-	<0.5	-	-	-	<0.5	392
Montana	185	6	10	14	<0.5	4	2	1	1	<0.5	-	-	223
Nebraska	625	<0.5	1	-	1	<0.5	-	<0.5	-	-	-	<0.5	627
Nevada	1	<0.5	-	-	-	-	<0.5	-	-	-	-	-	1
New Hampshire	<0.5	-	-	-	-	-	-	-	-	-	-	-	<0.5
New Jersey	6	-	-	-	<0.5	-	-	-	-	-	-	-	6
New Mexico	30	<0.5	<0.5	-	-	-	-	-	-	-	-	-	30
New York	58	-	<0.5	-	<0.5	-	-	-	<0.5	-	-	-	58
North Carolina	143	<0.5	<0.5	-	<0.5	-	-	-	-	-	<0.5	<0.5	143
North Dakota	597	57	5	3	7	1	<0.5	2	<0.5	<0.5	-	<0.5	672
Ohio	303	-	<0.5	-	<0.5	-	-	-	-	-	-	-	303
Oklahoma	286	1	<0.5	-	<0.5	-	<0.5	-	-	-	<0.5	-	287
Oregon	28	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	28
Pennsylvania	62	<0.5	<0.5	-	<0.5	-	-	<0.5	-	-	-	<0.5	62
Rhode Island	<0.5	-	-	-	-	-	-	-	-	-	-	-	<0.5
South Carolina	54	-	<0.5	-	<0.5	-	-	-	-	-	<0.5	-	54
South Dakota	497	<0.5	<0.5	<0.5	6	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	505
Tennessee	119	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	<0.5	-	<0.5	<0.5	119
Texas	963	<0.5	1	<0.5	<0.5	-	<0.5	<0.5	-	-	<0.5	<0.5	965
Utah	7	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	<0.5	-	-	7
Vermont	4	-	-	-	<0.5	-	-	<0.5	-	-	-	-	4
Virginia	49	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	<0.5	49
Washington	76	4	1	1	<0.5	2	<0.5	<0.5	1	<0.5	-	-	85
West Virginia	3	-	-	-	<0.5	-	-	-	-	-	-	-	3
Wisconsin	238	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	<0.5	239
Wyoming	10	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	-	-	10
US total	**9,686**	**74**	**19**	**18**	**17**	**10**	**2**	**3**	**3**	**2**	**1**	**<0.5**	**9,834**

Corn, soybeans, and wheat combined are expected to make up 80% of the total estimated payments, or about $7.9 billion dollars out of an estimated $9.8 billion. This expands to 98% of estimated payments (or about $9.7 billion) when including cotton, rice, sorghum, barley, oats, and peanuts.

With the highest projected total payment estimated for corn and soybeans, many of the major corn and soybean producing states make up most of the list of top 10 states. For some states with a significant acreage of the minor 11 crops, their ranking can increase when considering payments to these crops. Table 4 and Table 5 summarize the top 10 states based on estimated total payments, including their overall ranking as well as their ranking when only considering the major 9 crops.

Texas ranks number one in projected total payments, driven primarily by payments from wheat and cotton instead of corn and soybeans. North Dakota ranks seventh when considering only the top 9 crops but moves up to fifth when also considering the other 11 crops, primarily because of sunflowers and canola.

Table 4: Top 10 states based on estimated total payments, top 9 crops, million dollars

Rank, top 9 only	State	Corn	Soybeans	Wheat	Cotton	Sorghum	Rice	Barley	Oats	Peanuts	Subtotal
1	Texas	92	3	232	518	67	13	<0.5	20	18	**963**
2	Iowa	543	294	1	-	<0.5	-	<0.5	8	-	**846**
3	Illinois	452	316	20	<0.5	<0.5	<0.5	<0.5	1	-	**790**
4	Kansas	264	133	257	11	111	-	<0.5	11	-	**787**
5	Nebraska	425	155	30	-	8	-	<0.5	8	<0.5	**625**
6	Minnesota	349	217	37	-	<0.5	-	1	11	-	**616**
7	North Dakota	176	196	199	-	<0.5	-	8	19	<0.5	**597**
8	South Dakota	256	161	45	-	15	-	1	20	-	**497**
9	Indiana	220	171	8	-	<0.5	-	<0.5	0	-	**400**
10	Missouri	146	174	17	35	2	16	<0.5	1	2	**391**
	Other states	907	734	686	411	44	188	39	47	117	**3,173**
	US total	**3,829**	**2,553**	**1,532**	**975**	**248**	**216**	**49**	**147**	**137**	**9,686**

Table 5: Top 10 states based on estimated total payments, other 12 crops, million dollars

Rank, all 20 crops	State	Major 9 crops	Canola	Peas	Lentils	Sunflowers	Lg. chickpeas	Mustard	Flax	Sm. chickpeas	Safflower	Sesame	Rapeseed	Total
1	Texas	963	<0.5	1	<0.5	<0.5	-	<0.5	<0.5	-	-	<0.5	<0.5	**965**
2	Iowa	846	-	<0.5	-	<0.5	-	<0.5	<0.5	-	-	-	-	**846**
3	Illinois	790	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	-	**790**
4	Kansas	787	<0.5	<0.5	-	<0.5	-	-	-	<0.5	-	<0.5	-	**787**
5	North Dakota	597	57	5	3	7	1	<0.5	2	<0.5	<0.5	-	<0.5	**672**
6	Nebraska	625	<0.5	1	-	1	<0.5	-	<0.5	-	-	-	<0.5	**627**
7	Minnesota	616	3	<0.5	<0.5	1	<0.5	<0.5	<0.5	-	-	-	-	**619**
8	South Dakota	497	<0.5	<0.5	<0.5	6	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	**505**
9	Indiana	400	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	<0.5	**400**
10	Missouri	391	<0.5	<0.5	-	<0.5	-	-	<0.5	-	-	-	<0.5	**392**
	Other states	3,173	13	12	15	2	8	2	1	3	2	<0.5	0	**3,232**
	US total	**9,686**	**74**	**19**	**18**	**17**	**10**	**2**	**3**	**3**	**2**	**1**	<0.5	**9,834**

Table 6 shows the top five states by estimated total payments for each crop. This table offers an alternative view of the relative importance of various state-crop combinations and highlights states that are important for certain crops that may not appear in the overall top 10 ranking.

Table 6: Top 5 states based on estimated total payments by crop, thousand dollars

Crop	First	Second	Third	Fourth	Fifth
Corn	Iowa ($542,563)	Illinois ($452,211)	Nebraska ($424,586)	Minnesota ($349,284)	Kansas ($264,102)
Soybeans	Illinois ($315,564)	Iowa ($294,146)	Minnesota ($217,440)	North Dakota ($196,176)	Missouri ($173,711)
Wheat	Kansas ($257,178)	Texas ($232,365)	North Dakota ($198,642)	Oklahoma ($195,883)	Montana ($156,305)
Cotton	Texas ($517,687)	Georgia ($94,931)	Arkansas ($56,291)	Mississippi ($45,853)	Oklahoma ($37,064)
Sorghum	Kansas ($110,813)	Texas ($67,110)	Colorado ($19,431)	South Dakota ($15,019)	Oklahoma ($14,804)
Rice	Arkansas ($106,666)	California ($34,830)	Louisiana ($33,681)	Missouri ($15,827)	Texas ($12,630)
Barley	Montana ($18,712)	Idaho ($11,019)	North Dakota ($7,695)	Washington ($1,505)	Wyoming ($1,378)
Oats	Texas ($20,215)	South Dakota ($19,773)	North Dakota ($19,207)	Minnesota ($11,151)	Kansas ($10,758)
Peanuts	Georgia ($64,409)	Texas ($18,047)	Alabama ($14,186)	Florida ($12,312)	North Carolina ($9,802)
Canola	North Dakota ($56,842)	Montana ($5,574)	Washington ($3,911)	Minnesota ($2,861)	Idaho ($2,531)
Peas	Montana ($9,722)	North Dakota ($4,856)	Washington ($880)	Nebraska ($572)	Texas ($540)
Lentils	Montana ($13,826)	North Dakota ($3,120)	Washington ($880)	Idaho ($549)	South Dakota ($17)
Sunflowers	North Dakota ($6,826)	South Dakota ($6,443)	Minnesota ($881)	Nebraska ($623)	Colorado ($509)
Lg. chickpeas	Montana ($4,156)	Washington ($2,344)	Idaho ($1,545)	North Dakota ($725)	Nebraska ($430)
Mustard	Montana ($1,763)	North Dakota ($97)	Idaho ($94)	Washington ($44)	Colorado ($25)
Flax	North Dakota ($1,578)	Montana ($945)	Minnesota ($49)	South Dakota ($42)	Oregon ($14)
Sm. chickpeas	Montana ($1,039)	Idaho ($890)	Washington ($721)	North Dakota ($305)	South Dakota ($177)
Safflower	California ($567)	Montana ($397)	Idaho ($277)	Utah ($225)	Colorado ($176)
Sesame	Texas ($257)	Oklahoma ($96)	Georgia ($40)	South Carolina ($23)	Mississippi ($23)
Rapeseed	Kentucky ($155)	North Carolina ($63)	Tennessee ($63)	Virginia ($62)	Florida ($52)

Notes of caution

Many provisions in the legislative text allow or require the discretion of the Secretary (of Agriculture) in determining certain of the relevant variables (prices, costs, yields, etc.). This means the values used in the actual payment calculations could be different from those values used here.

We have considered rice as if all rice acres will get the same payment based on the all-rice cost of production, all-rice price, all-rice 10-year average yields, long grain or medium grain statutory reference price (they are both $14/hundredweight), and the weighted average of the long grain and medium grain national average payment yields. This may be reasonable if that is how the program is implemented, however, there is a chance the program could operate independently for the three major types of rice (long grain, medium/short grain, and temperate japonica) covered either in this legislation or under Title 1 programs. If that is the case, payments could be different than estimated here.

The legislation defines cotton to include both upland and extra-long staple (ELS). For the cotton estimates here, the data for upland cotton has been used to calculate the economic loss for cotton. This simplifies the comparison of the economic loss calculation to the minimum payment calculation, where the latter is based on seed cotton. For the purposes of the estimates here, we assume that ELS cotton acres will get a payment equal to that calculated using the upland cotton data.

For all crops other than the nine which have production cost estimates available from the Economic Research Service, the payment used for the purposes of the estimates here is the minimum payment. It will be up to the Secretary to determine what the total cost of production for those crops are, to use the estimates from a 'similarly situated' crop as specified in the legislation, or make other determinations. Regardless, at least the minimum payment rate will be paid out for those crops and that value is used here for the purposes of these estimates.

Sources and appendix

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Table 7: Payment acres (planted + ½ prevented planted), major 9 crops, 1000 acres

State	Corn	Soybeans	Wheat	Cotton	Sorghum	Rice	Barley	Oats	Peanuts	Other 11 crops	Total
Alabama	264	341	92	398	5	-	<0.5	7	186	6	1,299
Alaska	-	-	<0.5	-	-	-	5	1	-	<0.5	7
Arizona	89	<0.5	80	133	6	-	13	20	-	3	344
Arkansas	607	3,045	107	645	15	1,534	-	5	44	4	6,006
California	343	<0.5	297	177	16	501	37	54	-	64	1,489
Colorado	1,448	6	2,404	<0.5	456	<0.5	50	38	<0.5	58	4,462
Connecticut	22	1	<0.5	-	-	-	<0.5	<0.5	-	<0.5	23
Delaware	157	152	35	-	5	-	15	<0.5	-	<0.5	364
Florida	62	18	1	84	2	24	<0.5	6	161	11	370
Georgia	360	164	73	1,088	23	<0.5	<0.5	28	844	16	2,597
Hawaii	-	-	-	-	-	-	-	-	-	-	-
Idaho	350	<0.5	1,161	-	2	-	506	22	-	275	2,316
Illinois	10,639	10,698	665	2	7	3	1	18	-	3	22,035
Indiana	5,178	5,780	266	-	10	-	3	3	-	2	11,244
Iowa	12,764	9,972	23	-	4	-	2	104	-	1	22,870
Kansas	6,213	4,492	8,379	131	2,603	-	8	139	-	22	21,987
Kentucky	1,365	1,995	467	-	2	<0.5	3	2	-	13	3,846
Louisiana	581	1,117	28	156	42	484	-	2	3	1	2,416
Maine	28	1	2	-	-	-	8	19	-	1	59
Maryland	415	487	123	<0.5	10	-	19	2	-	<0.5	1,058
Massachusetts	13	1	<0.5	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	14
Michigan	2,206	2,152	392	-	1	-	3	29	-	4	4,786
Minnesota	8,217	7,371	1,202	-	3	-	29	144	-	156	17,122
Mississippi	579	2,288	45	525	4	156	-	2	25	9	3,632
Missouri	3,432	5,889	554	402	39	228	2	7	23	3	10,578
Montana	123	22	5,093	-	<0.5	-	860	55	-	1,982	8,134
Nebraska	9,989	5,246	967	-	186	-	10	106	<0.5	80	16,583
Nevada	18	-	16	-	<0.5	-	1	1	-	1	36
New Hampshire	11	<0.5	<0.5	-	-	-	<0.5	<0.5	-	-	11
New Jersey	65	99	19	-	2	-	2	1	-	<0.5	188
New Mexico	98	-	552	60	48	-	6	5	15	1	784
New York	989	363	97	-	1	<0.5	5	30	-	2	1,487
North Carolina	864	1,615	370	408	11	<0.5	13	13	128	12	3,435
North Dakota	4,130	6,650	6,472	-	5	-	354	247	<0.5	3,024	20,882
Ohio	3,280	4,996	488	-	1	-	5	8	-	1	8,778
Oklahoma	428	501	6,382	425	348	-	37	40	17	50	8,227
Oregon	85	<0.5	731	-	<0.5	-	27	13	-	33	889
Pennsylvania	887	574	135	-	11	-	27	29	-	2	1,664
Rhode Island	1	-	<0.5	-	-	-	-	-	-	-	1
South Carolina	325	380	70	226	8	<0.5	1	10	82	9	1,108
South Dakota	6,023	5,448	1,463	-	353	-	32	255	-	324	13,898
Tennessee	714	1,789	329	291	2	2	3	4	<0.5	7	3,142
Texas	2,163	104	7,571	5,933	1,576	182	18	260	237	103	18,148
Utah	66	<0.5	110	-	<0.5	-	10	8	-	16	211
Vermont	87	9	1	-	-	-	<0.5	<0.5	-	<0.5	97
Virginia	407	601	101	89	4	-	13	4	30	5	1,253
Washington	138	<0.5	2,225	-	<0.5	-	69	7	-	383	2,822
West Virginia	40	30	5	-	1	-	1	1	-	<0.5	78
Wisconsin	3,733	2,149	217	-	1	-	8	122	-	3	6,234
Wyoming	85	<0.5	108	-	<0.5	-	63	20	-	12	288
US total	**90,081**	**86,549**	**49,918**	**11,171**	**5,815**	**3,114**	**2,270**	**1,890**	**1,795**	**6,702**	**259,304**

Table 8: Payment acres (planted + ½ prevented planted), other 12 crops, 1000 acres

State	Major 9 crops	Canola	Peas	Lentils	Sunflowers	Lg. chickpeas	Mustard	Flax	Sm. chickpeas	Safflower	Sesame	Rapeseed	Total
Alabama	1,293	1	1	-	<0.5	-	-	-	-	-	4	<0.5	1,299
Alaska	7	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	-	7
Arizona	340	-	<0.5	<0.5	<0.5	2	<0.5	-	-	<0.5	-	-	344
Arkansas	6,002	-	1	<0.5	1	-	-	-	-	-	2	-	6,006
California	1,426	1	6	-	14	6	<0.5	-	<0.5	36	-	<0.5	1,489
Colorado	4,403	2	21	<0.5	22	<0.5	2	<0.5	-	11	-	-	4,462
Connecticut	23	-	-	-	<0.5	-	-	-	-	-	-	-	23
Delaware	364	-	-	-	<0.5	-	-	-	-	-	-	<0.5	364
Florida	359	<0.5	8	-	<0.5	-	-	-	-	-	<0.5	2	370
Georgia	2,581	4	3	-	2	-	-	-	-	<0.5	8	<0.5	2,597
Hawaii	-	-	-	-	-	-	-	-	-	-	-	-	-
Idaho	2,041	95	20	28	1	64	8	1	41	18	-	<0.5	2,316
Illinois	22,032	1	<0.5	-	2	-	-	-	-	-	-	-	22,035
Indiana	11,241	1	<0.5	<0.5	1	<0.5	-	-	-	-	-	<0.5	11,244
Iowa	22,869	-	<0.5	-	1	-	<0.5	<0.5	-	-	-	-	22,870
Kansas	21,965	6	4	-	10	-	-	-	<0.5	-	2	-	21,987
Kentucky	3,833	6	<0.5	-	<0.5	-	-	-	-	-	-	7	3,846
Louisiana	2,415	-	<0.5	-	<0.5	-	-	-	-	-	1	-	2,416
Maine	58	-	<0.5	-	<0.5	-	1	-	-	-	-	-	59
Maryland	1,057	-	<0.5	-	<0.5	-	-	-	-	-	-	-	1,058
Massachusetts	14	-	<0.5	-	<0.5	-	-	-	<0.5	-	-	-	14
Michigan	4,782	2	1	-	1	-	-	-	-	-	-	<0.5	4,786
Minnesota	16,967	107	8	<0.5	38	<0.5	1	3	-	-	-	-	17,122
Mississippi	3,624	1	3	-	1	-	-	-	-	-	4	-	3,632
Missouri	10,575	<0.5	1	-	1	-	-	<0.5	-	-	-	<0.5	10,578
Montana	6,152	208	602	715	3	172	154	54	48	25	-	-	8,134
Nebraska	16,503	<0.5	35	-	27	18	-	<0.5	-	-	-	<0.5	16,583
Nevada	35	1	-	-	-	-	<0.5	-	-	-	-	-	36
New Hampshire	11	-	-	-	-	-	-	-	-	-	-	-	11
New Jersey	188	-	-	-	<0.5	-	-	-	-	-	-	-	188
New Mexico	783	<0.5	<0.5	-	-	-	-	-	-	-	-	-	784
New York	1,485	-	1	-	1	-	-	-	<0.5	-	-	-	1,487
North Carolina	3,423	1	4	-	2	-	-	-	-	-	3	3	3,435
North Dakota	17,858	2,124	300	161	292	30	8	90	14	3	-	<0.5	20,882
Ohio	8,777	-	<0.5	-	1	-	-	-	-	-	-	-	8,778
Oklahoma	8,177	21	7	-	4	-	<0.5	-	-	-	18	-	8,227
Oregon	857	11	12	<0.5	<0.5	5	2	1	<0.5	1	-	<0.5	889
Pennsylvania	1,662	<0.5	<0.5	-	1	-	-	<0.5	-	-	-	<0.5	1,664
Rhode Island	1	-	-	-	-	-	-	-	-	-	-	-	1
South Carolina	1,099	-	4	-	<0.5	-	-	-	-	-	4	-	1,108
South Dakota	13,574	11	14	1	276	4	<0.5	2	8	8	-	-	13,898
Tennessee	3,135	1	2	<0.5	<0.5	-	<0.5	-	<0.5	-	<0.5	3	3,142
Texas	18,044	2	33	<0.5	17	-	1	<0.5	-	-	49	1	18,148
Utah	195	<0.5	<0.5	<0.5	<0.5	1	-	-	-	14	-	-	211
Vermont	97	-	-	-	<0.5	-	-	<0.5	-	-	-	-	97
Virginia	1,248	1	<0.5	-	1	-	-	-	-	-	-	3	1,253
Washington	2,439	146	54	46	3	97	4	<0.5	33	<0.5	-	-	2,822
West Virginia	78	-	-	-	<0.5	-	-	-	-	-	-	-	78
Wisconsin	6,231	<0.5	<0.5	-	2	-	-	-	-	-	-	<0.5	6,234
Wyoming	276	<0.5	1	<0.5	8	2	-	<0.5	<0.5	1	-	-	288
US total	**252,603**	**2,757**	**1,147**	**952**	**734**	**401**	**182**	**151**	**144**	**117**	**96**	**21**	**259,304**