



United States Department of Agriculture

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**Federal Crop Insurance**  
**Summary of Business**  
for  
**Organic Production**

*Created: May 6, 2019*

# Federal Crop Insurance Summary of Business for Organic Production

This report provides an accounting of all insurance experience for commodities grown and insured under organic production practices (including certified and transitional acreage) beginning with the 2009 crop year. Conventional experience is provided for comparison, reflecting only those commodities and counties where organic acreage was insured under the same plan of insurance. This report reflects information reported to the Risk Management Agency (RMA) as of May 6, 2019 and includes the following:

**2018 Crop Year Experience** provides the 2018 crop year summary of organic experience by type of insurance plan, commodity (including the top 15 commodities based on 2018 organic liability), and state (including the top 10 states based on 2018 organic liability). Each table includes the corresponding conventional practice experience for the same.

**Experience by Year** provides the overall summary by year for organic, certified organic, and transitional organic, including the corresponding conventional practice experience for each.

**Experience by State** provides the overall summary by state for organic, certified organic, and transitional organic, including the corresponding conventional practice experience for each.

**Experience by Commodity** provides the overall summary by commodity for organic, certified organic, and transitional organic, including the corresponding conventional practice experience for each.

Descriptions of terminology common throughout this report are as follows:

**Organic Experience** reflects total acreage insured as transitional or certified organic production and includes the associated liability, premium, indemnity, and loss ratio (indemnity divided by premium). Policy count reflects the total number of policies where at least one acre insured was identified as transitional or certified organic (total may not reflect the sum of policies reported separately for transitional and certified as a given policy could include acreage under both designations).

**Certified Organic Experience** reflects acreage insured and identified as certified organic production and includes the associated liability, premium, indemnity, and loss ratio (indemnity divided by premium). Policy count reflects the total number of policies where at least one acre insured was identified as certified organic.

**Transitional Organic Experience** reflects acreage insured and identified as transitional organic production and includes the associated liability, premium, indemnity, and loss ratio (indemnity divided by premium). Policy count reflects the total number of policies where at least one acre insured was identified as transitional organic.

**Conventional Experience where Organic Insured** reflects conventional practice experience for those commodities and counties where transitional or certified organic acreage was insured under the same plan of insurance.

**Conventional Experience where Certified Organic Insured** reflects conventional practice experience for those commodities and counties where certified organic acreage was insured under the same plan of insurance.

**Conventional Organic Experience where Transitional Organic Insured** reflects conventional practice experience for those commodities and counties where transitional organic acreage was insured under the same plan of insurance.

# Federal Crop Insurance Summary of Business for Organic Production 2018 Crop Year Experience

## 2018 Experience by Type of Insurance Plan

| Plan Type      | Organic Experience |           |               |            |             |            | Conventional Experience where Organic Insured |             |                |               |               |            |
|----------------|--------------------|-----------|---------------|------------|-------------|------------|---|-------------|----------------|---------------|---------------|------------|
|                | Percent Liability  | Acreage   | Liability     | Premium    | Indemnity   | Loss Ratio | Percent Liability                             | Acreage     | Liability      | Premium       | Indemnity     | Loss Ratio |
| Revenue        | 58.12%             | 780,419   | 387,858,197   | 45,553,350 | 65,737,142  | 1.44       | 90.52%  | 97,005,193  | 42,504,265,748 | 3,493,968,976 | 1,966,336,073 | 0.56       |
| Yield          | 40.52%             | 544,017   | 793,391,288   | 52,497,606 | 70,011,505  | 1.33       | 7.94%   | 8,505,306   | 9,456,227,202  | 498,463,202   | 417,712,944   | 0.84       |
| Dollar         | 0.68%              | 9,102     | 18,568,820    | 690,806    | 604,218     | 0.87       | 0.15%   | 163,468     | 818,804,333    | 20,800,681    | 48,609,576    | 2.34       |
| Area Revenue   | 0.08%              | 1,106     | 1,171,674     | 49,282     | 1,444       | 0.03       | 0.11%   | 113,959     | 77,788,312     | 4,478,500     | 2,315         | 0.00       |
| Area Yield     | 0.05%              | 719       | 397,219       | 9,156      | 3,102       | 0.34       | 0.02%   | 23,832      | 10,017,355     | 220,397       | 371,868       | 1.69       |
| Rainfall Index | 0.55%              | 7,382     | 2,060,198     | 283,118    | 198,254     | 0.70       | 1.26%   | 1,355,668   | 96,628,144     | 17,831,994    | 15,053,955    | 0.84       |
| Total          | 100.00%            | 1,342,745 | 1,203,447,396 | 99,083,318 | 136,555,665 | 1.38       | 100.00%                                       | 107,167,425 | 52,963,731,094 | 4,035,763,750 | 2,448,086,731 | 0.61       |

## 2018 Experience for Top 10 Organic Commodities (based on Organic Liability)

| Crop Name   | Organic Experience |         |             |            |            |            | Conventional Experience where Organic Insured |            |                |               |             |            |
|-------------|--------------------|---------|-------------|------------|------------|------------|---|------------|----------------|---------------|-------------|------------|
|             | Percent Liability  | Acreage | Liability   | Premium    | Indemnity  | Loss Ratio | Percent Liability                             | Acreage    | Liability      | Premium       | Indemnity   | Loss Ratio |
| Corn        | 20.06%             | 308,793 | 241,353,561 | 18,060,190 | 27,096,868 | 1.50       | 44.87%  | 43,213,120 | 23,765,385,903 | 1,658,647,988 | 668,183,935 | 0.40       |
| Apples      | 17.94%             | 19,924  | 215,937,453 | 9,413,517  | 6,280,970  | 0.67       | 1.75%   | 148,020    | 925,945,137    | 54,674,496    | 16,784,126  | 0.31       |
| Wheat       | 7.86%              | 404,073 | 94,650,023  | 16,089,667 | 15,613,935 | 0.97       | 5.42%   | 15,140,496 | 2,868,879,310  | 394,985,988   | 195,774,734 | 0.50       |
| Soybeans    | 5.92%              | 147,167 | 71,260,152  | 6,477,086  | 11,060,515 | 1.71       | 27.65%  | 36,788,263 | 14,643,723,693 | 1,023,140,739 | 508,203,264 | 0.50       |
| Blueberries | 4.81%              | 5,611   | 57,884,951  | 3,306,084  | 6,190,040  | 1.87       | 0.25%   | 40,719     | 134,538,896    | 9,650,170     | 18,827,073  | 1.95       |
| Tobacco     | 4.26%              | 8,993   | 51,280,836  | 5,033,742  | 15,588,123 | 3.10       | 0.75%   | 127,468    | 398,483,731    | 39,642,458    | 125,882,807 | 3.18       |
| Grapes      | 3.73%              | 12,788  | 44,884,271  | 1,532,957  | 655,358    | 0.43       | 2.29%   | 414,815    | 1,213,739,497  | 35,886,217    | 17,185,612  | 0.48       |
| Rice        | 3.14%              | 52,082  | 37,816,435  | 2,999,722  | 6,713,360  | 2.24       | 1.12%   | 764,788    | 593,367,502    | 25,400,583    | 17,754,974  | 0.70       |
| Potatoes    | 3.12%              | 15,557  | 37,534,970  | 3,854,750  | 4,328,182  | 1.12       | 0.82%   | 269,141    | 435,316,330    | 28,972,128    | 21,093,076  | 0.73       |
| Tomatoes    | 2.30%              | 10,535  | 27,675,567  | 698,196    | 521,980    | 0.75       | 0.79%   | 184,013    | 416,271,477    | 9,935,629     | 5,180,406   | 0.52       |

## 2018 Experience for Top 10 Organic States (based on Organic Liability)

| State Name     | Organic Experience |         |             |            |            |            | Conventional Experience where Organic Insured |            |               |             |             |            |
|----------------|--------------------|---------|-------------|------------|------------|------------|---|------------|---------------|-------------|-------------|------------|
|                | Percent Liability  | Acreage | Liability   | Premium    | Indemnity  | Loss Ratio | Percent Liability                             | Acreage    | Liability     | Premium     | Indemnity   | Loss Ratio |
| Washington     | 23.66%             | 44,416  | 284,720,776 | 12,430,640 | 9,824,292  | 0.79       | 3.14%   | 1,379,927  | 1,662,413,405 | 85,134,755  | 20,945,038  | 0.25       |
| California     | 23.07%             | 107,382 | 277,603,076 | 14,733,895 | 15,930,133 | 1.08       | 11.43%  | 2,450,019  | 6,055,914,227 | 262,302,731 | 173,449,902 | 0.66       |
| Texas          | 6.81%              | 156,652 | 81,960,905  | 12,494,644 | 24,608,292 | 1.97       | 3.65%   | 5,753,682  | 1,931,349,243 | 423,361,605 | 609,423,012 | 1.44       |
| Iowa           | 4.31%              | 68,844  | 51,855,450  | 2,462,817  | 3,776,338  | 1.53       | 16.60%  | 15,957,359 | 8,793,736,695 | 458,204,844 | 226,397,063 | 0.49       |
| Minnesota      | 4.11%              | 78,392  | 49,414,739  | 3,902,450  | 6,726,940  | 1.72       | 11.91%  | 13,066,413 | 6,310,317,035 | 409,226,778 | 260,852,321 | 0.64       |
| Nebraska       | 3.75%              | 87,588  | 45,117,494  | 3,948,522  | 4,283,408  | 1.08       | 7.87%   | 8,984,102  | 4,170,159,532 | 290,027,084 | 99,065,030  | 0.34       |
| North Carolina | 3.43%              | 20,491  | 41,239,948  | 4,645,116  | 11,361,174 | 2.45       | 0.85%   | 708,734    | 450,044,200   | 51,450,631  | 129,958,371 | 2.53       |
| Michigan       | 3.10%              | 61,253  | 37,291,827  | 3,224,148  | 2,330,632  | 0.72       | 2.06%   | 2,588,953  | 1,088,934,963 | 85,199,586  | 45,791,284  | 0.54       |
| Colorado       | 3.03%              | 58,030  | 36,409,761  | 5,294,484  | 4,320,115  | 0.82       | 1.00%   | 1,850,210  | 531,302,054   | 66,792,265  | 59,303,218  | 0.89       |
| Oregon         | 2.47%              | 31,985  | 29,770,669  | 2,108,559  | 4,393,088  | 2.08       | 0.35%   | 403,051    | 187,581,521   | 13,426,199  | 3,883,795   | 0.29       |

# Federal Crop Insurance Summary of Business for Organic Production Experience by Year

**Organic Experience by Year**

| Year  | Policies | Acreage   | Liability     | Premium     | Indemnity   | Loss Ratio |
|-------|----------|-----------|---------------|-------------|-------------|------------|
| 2009  | 3,967    | 569,211   | 211,580,203   | 27,113,517  | 29,457,283  | 1.09       |
| 2010  | 4,238    | 556,923   | 219,108,173   | 22,817,373  | 18,289,336  | 0.80       |
| 2011  | 5,252    | 656,982   | 377,035,686   | 42,260,975  | 56,410,520  | 1.33       |
| 2012  | 5,426    | 682,510   | 397,944,734   | 40,197,722  | 57,143,099  | 1.42       |
| 2013  | 5,716    | 702,566   | 447,077,304   | 44,763,979  | 75,502,051  | 1.69       |
| 2014  | 6,073    | 778,333   | 554,872,270   | 49,174,154  | 73,681,614  | 1.50       |
| 2015  | 6,827    | 875,480   | 649,257,489   | 55,660,617  | 66,694,507  | 1.20       |
| 2016  | 7,936    | 1,065,762 | 845,913,611   | 74,240,313  | 87,414,351  | 1.18       |
| 2017  | 8,440    | 1,208,574 | 993,533,360   | 89,474,358  | 146,927,275 | 1.64       |
| 2018  | 9,142    | 1,342,745 | 1,203,447,396 | 99,083,318  | 136,555,665 | 1.38       |
| Total | 63,017   | 8,439,086 | 5,899,770,226 | 544,786,326 | 748,075,701 | 1.37       |

**Conventional Experience by Year where Organic Insured**

| Year  | Acreage     | Liability       | Premium        | Indemnity      | Loss Ratio |
|-------|-------------|-----------------|----------------|----------------|------------|
| 2009  | 50,812,109  | 19,888,677,948  | 2,020,106,235  | 914,379,449    | 0.45       |
| 2010  | 51,940,755  | 21,178,571,778  | 1,737,114,294  | 704,344,108    | 0.41       |
| 2011  | 72,003,120  | 39,499,535,717  | 3,735,983,847  | 2,646,648,317  | 0.71       |
| 2012  | 75,613,075  | 42,871,061,363  | 3,658,937,787  | 5,366,429,881  | 1.47       |
| 2013  | 82,134,360  | 48,921,038,294  | 4,019,998,287  | 5,008,806,379  | 1.25       |
| 2014  | 87,337,139  | 47,083,580,049  | 3,642,576,084  | 4,106,393,099  | 1.13       |
| 2015  | 90,807,940  | 45,343,200,286  | 3,670,128,941  | 1,832,895,511  | 0.50       |
| 2016  | 97,109,345  | 46,543,770,655  | 3,617,304,647  | 1,103,799,748  | 0.31       |
| 2017  | 99,603,910  | 49,585,607,897  | 4,050,518,894  | 1,899,227,534  | 0.47       |
| 2018  | 107,167,425 | 52,963,731,094  | 4,035,763,750  | 2,448,086,731  | 0.61       |
| Total | 814,529,178 | 413,878,775,081 | 34,188,432,766 | 26,031,010,757 | 0.76       |

**Transitional Organic Experience by Year**

| Year  | Policies | Acreage | Liability   | Premium    | Indemnity  | Loss Ratio |
|-------|----------|---------|-------------|------------|------------|------------|
| 2009  | 635      | 67,245  | 27,545,498  | 3,359,890  | 4,605,177  | 1.37       |
| 2010  | 555      | 46,776  | 22,053,734  | 2,032,042  | 1,999,210  | 0.98       |
| 2011  | 533      | 46,728  | 20,645,401  | 2,490,611  | 2,874,256  | 1.15       |
| 2012  | 413      | 31,757  | 15,289,489  | 1,637,520  | 2,071,569  | 1.27       |
| 2013  | 435      | 34,542  | 17,230,847  | 1,736,088  | 3,114,067  | 1.79       |
| 2014  | 495      | 47,295  | 27,074,244  | 2,364,810  | 3,340,905  | 1.41       |
| 2015  | 632      | 57,658  | 29,712,069  | 2,257,851  | 2,255,749  | 1.00       |
| 2016  | 1,002    | 115,066 | 47,348,629  | 4,352,648  | 7,363,417  | 1.69       |
| 2017  | 1,043    | 104,802 | 53,289,796  | 4,019,598  | 5,855,208  | 1.46       |
| 2018  | 1,079    | 107,224 | 64,696,103  | 4,729,732  | 7,829,831  | 1.66       |
| Total | 6,822    | 659,093 | 324,885,810 | 28,980,790 | 41,309,389 | 1.43       |

**Conventional Experience by Year where Transitional Organic Insured**

| Year  | Acreage     | Liability       | Premium       | Indemnity     | Loss Ratio |
|-------|-------------|-----------------|---------------|---------------|------------|
| 2009  | 15,919,388  | 7,035,655,230   | 690,021,738   | 338,565,930   | 0.49       |
| 2010  | 13,482,965  | 6,311,270,694   | 487,228,577   | 176,325,179   | 0.36       |
| 2011  | 16,282,849  | 8,777,565,613   | 834,921,849   | 678,549,303   | 0.81       |
| 2012  | 13,408,068  | 7,653,862,130   | 642,851,053   | 849,792,221   | 1.32       |
| 2013  | 14,770,402  | 9,282,920,507   | 769,787,146   | 1,075,985,881 | 1.40       |
| 2014  | 18,903,106  | 11,195,180,989  | 864,893,695   | 1,002,351,166 | 1.16       |
| 2015  | 21,262,468  | 12,935,261,537  | 906,786,649   | 536,876,485   | 0.59       |
| 2016  | 31,116,446  | 15,440,642,874  | 1,120,845,907 | 328,025,586   | 0.29       |
| 2017  | 31,213,910  | 17,155,976,467  | 1,255,582,509 | 554,014,377   | 0.44       |
| 2018  | 32,502,790  | 17,967,657,716  | 1,272,064,652 | 842,029,543   | 0.66       |
| Total | 208,862,393 | 113,755,993,757 | 8,844,983,775 | 6,382,515,671 | 0.72       |

**Certified Organic Experience by Year**

| Year  | Policies | Acreage   | Liability     | Premium     | Indemnity   | Loss Ratio |
|-------|----------|-----------|---------------|-------------|-------------|------------|
| 2009  | 3,534    | 501,966   | 184,034,705   | 23,753,627  | 24,852,106  | 1.05       |
| 2010  | 3,874    | 510,147   | 197,054,439   | 20,785,331  | 16,290,126  | 0.78       |
| 2011  | 4,890    | 610,254   | 356,390,285   | 39,770,364  | 53,536,264  | 1.35       |
| 2012  | 5,160    | 650,753   | 382,655,245   | 38,560,202  | 55,071,530  | 1.43       |
| 2013  | 5,449    | 668,023   | 429,846,457   | 43,027,891  | 72,387,984  | 1.68       |
| 2014  | 5,778    | 731,038   | 527,798,026   | 46,809,344  | 70,340,709  | 1.50       |
| 2015  | 6,448    | 817,822   | 619,545,420   | 53,402,766  | 64,438,758  | 1.21       |
| 2016  | 7,309    | 950,695   | 798,564,982   | 69,887,665  | 80,050,934  | 1.15       |
| 2017  | 7,815    | 1,103,772 | 940,243,564   | 85,454,760  | 141,072,067 | 1.65       |
| 2018  | 8,529    | 1,235,521 | 1,138,751,293 | 94,353,586  | 128,725,834 | 1.36       |
| Total | 58,786   | 7,779,992 | 5,574,884,416 | 515,805,536 | 706,766,312 | 1.37       |

**Conventional Experience by Year where Certified Organic Insured**

| Year  | Acreage     | Liability       | Premium        | Indemnity      | Loss Ratio |
|-------|-------------|-----------------|----------------|----------------|------------|
| 2009  | 47,096,024  | 18,609,144,740  | 1,862,619,843  | 818,233,853    | 0.44       |
| 2010  | 48,813,191  | 20,008,852,949  | 1,632,728,370  | 673,926,889    | 0.41       |
| 2011  | 68,801,331  | 38,215,580,987  | 3,575,831,407  | 2,520,972,891  | 0.71       |
| 2012  | 72,757,459  | 41,742,269,514  | 3,541,910,628  | 5,198,470,287  | 1.47       |
| 2013  | 79,655,865  | 47,532,114,597  | 3,907,822,755  | 4,890,378,718  | 1.25       |
| 2014  | 83,624,685  | 45,514,516,714  | 3,505,708,445  | 3,998,380,081  | 1.14       |
| 2015  | 86,934,686  | 43,786,940,270  | 3,533,491,069  | 1,718,041,768  | 0.49       |
| 2016  | 90,901,525  | 44,026,689,888  | 3,413,702,381  | 1,056,750,414  | 0.31       |
| 2017  | 94,989,002  | 47,499,635,860  | 3,879,096,187  | 1,841,932,157  | 0.47       |
| 2018  | 102,256,946 | 50,803,048,305  | 3,874,437,684  | 2,376,383,950  | 0.61       |
| Total | 775,830,714 | 397,738,793,824 | 32,727,348,769 | 25,093,471,008 | 0.77       |

# Federal Crop Insurance Summary of Business for Organic Production Experience by State

| State Name     | Organic Experience 2009 - 2018 |               |            |            |            | Conventional Experience 2009 - 2018 |                |               |               |            |
|----------------|--------------------------------|---------------|------------|------------|------------|-------------------------------------|----------------|---------------|---------------|------------|
|                | Acreage                        | Liability     | Premium    | Indemnity  | Loss Ratio | Acreage                             | Liability      | Premium       | Indemnity     | Loss Ratio |
| Alabama        | 499                            | 286,352       | 53,572     | 161,240    | 3.01       | 85,819                              | 36,044,475     | 9,735,262     | 9,072,887     | 0.93       |
| Arizona        | 27,958                         | 34,480,347    | 4,883,066  | 5,837,482  | 1.20       | 155,027                             | 154,825,754    | 5,764,008     | 4,808,690     | 0.83       |
| Arkansas       | 22,227                         | 7,614,714     | 1,625,655  | 1,927,115  | 1.19       | 4,141,122                           | 1,090,175,023  | 88,307,623    | 65,836,770    | 0.75       |
| California     | 769,718                        | 1,455,456,301 | 83,371,515 | 78,504,149 | 0.94       | 24,492,087                          | 49,221,469,413 | 2,282,051,184 | 1,425,473,591 | 0.62       |
| Colorado       | 303,408                        | 153,494,467   | 24,209,626 | 21,417,681 | 0.88       | 11,990,736                          | 3,919,827,452  | 506,802,774   | 321,624,306   | 0.63       |
| Connecticut    | 103                            | 142,177       | 16,504     | 94,417     | 5.72       | 1,636                               | 1,677,929      | 248,733       | 213,194       | 0.86       |
| Delaware       | 1,109                          | 432,949       | 41,787     | 69,754     | 1.67       | 316,027                             | 114,387,956    | 11,376,236    | 4,438,065     | 0.39       |
| Florida        | 11,829                         | 53,222,720    | 1,929,393  | 3,979,159  | 2.06       | 1,245,348                           | 4,907,939,672  | 127,927,513   | 90,469,377    | 0.71       |
| Georgia        | 11,033                         | 20,126,556    | 3,613,824  | 5,129,357  | 1.42       | 296,332                             | 492,964,198    | 98,240,695    | 107,032,358   | 1.09       |
| Hawaii         | 1,639                          | 7,458,388     | 94,017     | 65,412     | 0.70       | 77,092                              | 306,486,919    | 3,058,317     | 2,894,521     | 0.95       |
| Idaho          | 146,791                        | 53,221,173    | 5,510,431  | 7,807,193  | 1.42       | 4,839,351                           | 2,064,317,051  | 167,955,873   | 126,378,120   | 0.75       |
| Illinois       | 191,207                        | 120,292,095   | 7,596,186  | 14,327,929 | 1.89       | 77,310,648                          | 44,154,691,331 | 2,536,924,555 | 1,843,889,463 | 0.73       |
| Indiana        | 56,757                         | 33,613,038    | 3,439,674  | 6,038,101  | 1.76       | 15,336,960                          | 7,681,290,520  | 556,175,171   | 329,795,422   | 0.59       |
| Iowa           | 424,473                        | 286,481,584   | 18,215,277 | 41,087,963 | 2.26       | 137,318,342                         | 79,669,578,460 | 4,725,084,469 | 4,535,845,823 | 0.96       |
| Kansas         | 228,255                        | 65,595,113    | 10,437,903 | 12,117,933 | 1.16       | 32,124,001                          | 8,366,529,162  | 1,272,320,914 | 1,056,276,112 | 0.83       |
| Kentucky       | 10,335                         | 12,868,238    | 1,542,339  | 6,423,163  | 4.16       | 2,444,228                           | 1,168,037,678  | 115,373,528   | 89,102,540    | 0.77       |
| Louisiana      | 16,019                         | 4,996,726     | 965,724    | 1,715,792  | 1.78       | 1,012,208                           | 308,321,931    | 23,279,131    | 12,706,276    | 0.55       |
| Maine          | 6,639                          | 3,125,650     | 507,938    | 712,299    | 1.40       | 759,462                             | 613,311,399    | 79,946,523    | 53,408,742    | 0.67       |
| Maryland       | 25,917                         | 14,545,963    | 1,545,613  | 1,531,998  | 0.99       | 2,475,202                           | 924,221,034    | 91,958,043    | 39,539,958    | 0.43       |
| Massachusetts  | 2,300                          | 3,255,748     | 272,507    | 930,693    | 3.42       | 105,605                             | 258,652,407    | 6,732,077     | 5,130,945     | 0.76       |
| Michigan       | 361,460                        | 197,592,054   | 22,122,525 | 19,208,362 | 0.87       | 19,726,189                          | 8,552,073,891  | 765,848,039   | 370,762,407   | 0.48       |
| Minnesota      | 560,053                        | 293,205,923   | 28,749,544 | 48,418,888 | 1.68       | 113,485,105                         | 56,315,145,401 | 4,315,424,530 | 2,979,831,519 | 0.69       |
| Mississippi    | 10,360                         | 4,142,418     | 824,292    | 1,532,259  | 1.86       | 1,532,882                           | 549,771,677    | 56,612,716    | 42,047,193    | 0.74       |
| Missouri       | 75,049                         | 29,338,038    | 5,005,177  | 8,736,755  | 1.75       | 20,575,565                          | 7,374,105,577  | 898,223,673   | 760,028,389   | 0.85       |
| Montana        | 895,247                        | 129,436,347   | 26,807,571 | 29,020,788 | 1.08       | 42,863,761                          | 6,552,607,220  | 1,052,396,267 | 675,834,808   | 0.64       |
| Nebraska       | 515,559                        | 225,368,955   | 23,536,549 | 28,906,767 | 1.23       | 64,754,978                          | 31,294,484,737 | 2,435,343,859 | 1,601,468,793 | 0.66       |
| Nevada         | 11,456                         | 43,986,705    | 1,133,042  | 426        | 0.00       | 24,613                              | 70,059,204     | 2,732,375     | 170,240       | 0.06       |
| New Hampshire  | 39                             | 11,558        | 854        | 0          | 0.00       | 228                                 | 61,374         | 4,639         | 0             | 0.00       |
| New Jersey     | 2,434                          | 2,289,440     | 169,533    | 197,365    | 1.16       | 156,458                             | 142,954,798    | 9,090,484     | 3,253,736     | 0.36       |
| New Mexico     | 64,623                         | 28,465,046    | 4,382,115  | 11,979,047 | 2.73       | 803,550                             | 245,369,118    | 30,321,813    | 35,938,227    | 1.19       |
| New York       | 142,146                        | 65,111,959    | 7,655,485  | 9,822,406  | 1.28       | 3,543,299                           | 1,570,890,674  | 114,801,320   | 128,687,119   | 1.12       |
| North Carolina | 81,743                         | 180,345,582   | 17,352,578 | 36,458,077 | 2.10       | 3,452,864                           | 3,569,726,606  | 310,280,639   | 557,515,647   | 1.80       |
| North Dakota   | 601,807                        | 110,923,495   | 26,884,022 | 30,945,265 | 1.15       | 60,385,235                          | 16,383,639,160 | 2,603,865,094 | 1,532,868,205 | 0.59       |
| Ohio           | 103,807                        | 57,091,863    | 4,885,419  | 8,433,082  | 1.73       | 30,415,273                          | 14,773,233,381 | 1,187,752,237 | 530,742,763   | 0.45       |
| Oklahoma       | 19,524                         | 3,005,108     | 888,686    | 644,940    | 0.73       | 2,596,452                           | 433,758,797    | 99,188,871    | 77,244,450    | 0.78       |

(continued)

## Federal Crop Insurance Summary of Business for Organic Production Experience by State

| State Name     | Organic Experience 2009 - 2018 |               |             |             |            | Conventional Experience 2009 - 2018 |                 |                |                |            |
|----------------|--------------------------------|---------------|-------------|-------------|------------|-------------------------------------|-----------------|----------------|----------------|------------|
|                | Acreage                        | Liability     | Premium     | Indemnity   | Loss Ratio | Acreage                             | Liability       | Premium        | Indemnity      | Loss Ratio |
| Oregon         | 162,605                        | 132,791,659   | 10,412,833  | 19,761,904  | 1.90       | 2,534,222                           | 1,277,467,865   | 92,624,761     | 73,284,544     | 0.79       |
| Pennsylvania   | 13,610                         | 7,285,024     | 1,248,293   | 1,822,025   | 1.46       | 2,099,218                           | 1,147,478,305   | 165,032,103    | 124,749,386    | 0.76       |
| Rhode Island   | 2                              | 2,707         | 693         | 0           | 0.00       | 122                                 | 259,806         | 42,625         | 25,576         | 0.60       |
| South Carolina | 3,719                          | 10,578,972    | 4,569,549   | 5,037,121   | 1.10       | 250,022                             | 245,917,841     | 56,989,240     | 66,542,498     | 1.17       |
| South Dakota   | 333,010                        | 81,013,279    | 14,966,957  | 14,743,053  | 0.99       | 42,070,575                          | 15,264,224,702  | 1,994,056,927  | 1,027,056,108  | 0.52       |
| Tennessee      | 5,872                          | 4,279,092     | 487,178     | 986,160     | 2.02       | 597,680                             | 264,177,759     | 32,858,089     | 24,863,127     | 0.76       |
| Texas          | 1,000,276                      | 470,986,017   | 74,758,100  | 168,699,812 | 2.26       | 42,068,373                          | 13,964,161,862  | 2,908,940,216  | 3,665,669,257  | 1.26       |
| Utah           | 234,871                        | 22,515,203    | 5,766,990   | 4,990,822   | 0.87       | 600,618                             | 118,445,155     | 13,418,874     | 15,220,893     | 1.13       |
| Vermont        | 7,892                          | 3,430,857     | 463,509     | 835,839     | 1.80       | 464,705                             | 162,715,918     | 13,538,043     | 17,558,812     | 1.30       |
| Virginia       | 32,828                         | 62,441,917    | 4,602,363   | 6,467,370   | 1.41       | 883,602                             | 626,093,258     | 64,629,790     | 57,845,740     | 0.90       |
| Washington     | 325,420                        | 1,205,970,301 | 61,034,919  | 42,648,600  | 0.70       | 9,817,640                           | 12,299,154,738  | 684,155,631    | 428,021,881    | 0.63       |
| West Virginia  | 466                            | 188,125       | 18,908      | 44,677      | 2.36       | 2,869                               | 1,098,449       | 120,588        | 89,125         | 0.74       |
| Wisconsin      | 273,859                        | 147,518,032   | 17,828,592  | 29,154,838  | 1.64       | 31,313,725                          | 15,084,019,060  | 1,537,701,643  | 1,070,311,293  | 0.70       |
| Wyoming        | 348,674                        | 53,004,486    | 8,573,134   | 8,700,223   | 1.01       | 1,222,862                           | 283,441,609     | 43,554,882     | 39,539,370     | 0.91       |
| Total          | 8,446,627                      | 5,903,030,461 | 545,001,961 | 748,075,701 | 1.37       | 814,769,916                         | 414,021,287,706 | 34,198,812,597 | 26,031,108,266 | 0.76       |

# Federal Crop Insurance Summary of Business for Organic Production Experience by Commodity

| Crop Name            | Organic Experience 2009 - 2018 |               |             |             |            | Conventional Experience 2009 - 2018 |                 |                |                |            |
|----------------------|--------------------------------|---------------|-------------|-------------|------------|-------------------------------------|-----------------|----------------|----------------|------------|
|                      | Acreage                        | Liability     | Premium     | Indemnity   | Loss Ratio | Acreage                             | Liability       | Premium        | Indemnity      | Loss Ratio |
| Alfalfa Seed         | 653                            | 892,664       | 79,389      | 349,247     | 4.40       | 41,163                              | 53,795,299      | 3,044,880      | 15,818,275     | 5.20       |
| Almonds              | 52,973                         | 176,852,936   | 11,270,146  | 4,678,063   | 0.42       | 6,049,243                           | 16,949,112,197  | 617,631,248    | 262,077,435    | 0.42       |
| Apples               | 143,487                        | 848,257,836   | 47,755,238  | 33,020,047  | 0.69       | 1,443,622                           | 6,615,252,971   | 404,066,258    | 262,033,305    | 0.65       |
| Apricots             | 4,293                          | 11,819,661    | 1,414,576   | 1,123,420   | 0.79       | 41,944                              | 102,947,641     | 13,915,355     | 12,872,059     | 0.93       |
| Avocado Fruit/Tree   | 15,484                         | 33,481,106    | 3,438,377   | 2,080,609   | 0.61       | 308,554                             | 870,146,899     | 73,368,725     | 45,653,817     | 0.62       |
| Barley               | 260,045                        | 54,638,884    | 7,805,233   | 9,420,411   | 1.21       | 5,278,529                           | 1,046,583,571   | 134,673,306    | 89,754,139     | 0.67       |
| Blueberries          | 26,583                         | 218,183,752   | 12,769,471  | 12,603,768  | 0.99       | 242,827                             | 833,445,193     | 57,588,324     | 62,717,864     | 1.09       |
| Buckwheat            | 35,784                         | 4,031,221     | 1,328,174   | 763,533     | 0.57       | 13,683                              | 1,410,759       | 337,240        | 249,170        | 0.74       |
| Cabbage              | 1,688                          | 1,955,798     | 75,501      | 113,133     | 1.50       | 18,495                              | 27,891,899      | 1,408,776      | 1,393,587      | 0.99       |
| Canola               | 29,858                         | 6,177,439     | 1,131,707   | 847,444     | 0.75       | 3,864,120                           | 985,430,503     | 167,537,927    | 163,405,304    | 0.98       |
| Cherries             | 17,734                         | 132,732,231   | 11,029,004  | 10,460,177  | 0.95       | 497,388                             | 3,165,793,675   | 308,368,850    | 318,724,060    | 1.03       |
| Chile Peppers        | 111                            | 112,291       | 10,847      | 0           | 0.00       | 387                                 | 143,005         | 7,824          | 0              | 0.00       |
| Citrus Fruit/Tree    | 59,636                         | 153,856,867   | 10,656,516  | 8,621,895   | 0.81       | 2,845,689                           | 9,459,391,444   | 457,431,518    | 178,377,805    | 0.39       |
| Corn                 | 1,682,273                      | 1,197,352,322 | 114,455,251 | 215,330,460 | 1.88       | 333,123,796                         | 196,775,874,772 | 15,260,246,852 | 12,877,441,964 | 0.84       |
| Cotton               | 264,906                        | 116,842,036   | 29,737,976  | 60,114,789  | 2.02       | 27,923,465                          | 8,918,632,513   | 2,294,219,133  | 2,865,620,414  | 1.25       |
| Cranberries          | 3,010                          | 12,045,091    | 1,147,278   | 2,652,497   | 2.31       | 160,640                             | 523,662,647     | 14,981,959     | 9,113,370      | 0.61       |
| Cucumbers            | 25                             | 6,004         | 117         | 0           | 0.00       | 3,773                               | 2,298,393       | 125,484        | 102,526        | 0.82       |
| Cultivated Wild Rice | 12,999                         | 10,826,437    | 1,491,494   | 3,177,423   | 2.13       | 66,134                              | 47,206,519      | 2,061,824      | 2,114,875      | 1.03       |
| Dry Beans            | 166,068                        | 78,624,521    | 11,230,516  | 11,789,871  | 1.05       | 3,232,089                           | 1,322,654,254   | 168,700,255    | 109,687,193    | 0.65       |
| Dry Peas             | 131,749                        | 18,729,211    | 5,482,246   | 6,667,346   | 1.22       | 5,134,347                           | 813,632,747     | 156,029,412    | 140,188,731    | 0.90       |
| Figs                 | 8,478                          | 11,967,217    | 456,537     | 109,652     | 0.24       | 34,561                              | 38,800,154      | 1,467,958      | 340,293        | 0.23       |
| Flax                 | 117,415                        | 15,401,475    | 3,927,167   | 3,905,485   | 0.99       | 997,819                             | 131,905,790     | 19,241,307     | 16,876,575     | 0.88       |
| Forage Production    | 129,746                        | 27,789,864    | 2,034,991   | 1,072,659   | 0.53       | 4,047,228                           | 646,919,849     | 70,344,611     | 38,752,175     | 0.55       |
| Forage Seeding       | 26,929                         | 4,683,513     | 578,643     | 1,142,967   | 1.98       | 355,361                             | 64,657,851      | 8,059,614      | 11,906,666     | 1.48       |
| Grain Sorghum        | 51,999                         | 8,822,280     | 2,570,344   | 3,056,737   | 1.19       | 3,581,049                           | 713,985,324     | 157,571,207    | 142,566,855    | 0.90       |
| Grapes               | 112,281                        | 277,213,664   | 10,593,252  | 7,655,685   | 0.72       | 4,313,437                           | 9,514,314,452   | 337,416,702    | 206,408,982    | 0.61       |
| Green Peas           | 67,952                         | 60,272,680    | 5,679,165   | 11,084,703  | 1.95       | 373,616                             | 154,213,383     | 14,339,542     | 18,283,998     | 1.28       |
| Hybrid Corn Seed     | 16,364                         | 16,814,008    | 1,280,887   | 1,697,434   | 1.33       | 289,653                             | 308,912,017     | 19,918,388     | 19,731,300     | 0.99       |
| Hybrid Sorghum Seed  | 1,080                          | 511,322       | 85,343      | 70,857      | 0.83       | 13,707                              | 4,845,227       | 1,000,505      | 221,739        | 0.22       |
| Macadamia Nut/Tree   | 1,307                          | 4,130,847     | 43,497      | 30,404      | 0.70       | 70,974                              | 237,832,269     | 2,323,612      | 703,320        | 0.30       |
| Millet               | 85,698                         | 5,863,852     | 2,181,928   | 1,368,562   | 0.63       | 1,286,039                           | 109,684,253     | 25,744,139     | 18,227,176     | 0.71       |
| Mustard              | 880                            | 135,857       | 42,570      | 61,477      | 1.44       | 9,902                               | 957,791         | 275,369        | 214,593        | 0.78       |
| Nectarines           | 8,372                          | 27,893,231    | 1,842,172   | 683,715     | 0.37       | 153,981                             | 360,018,940     | 22,911,850     | 10,781,631     | 0.47       |
| Oats                 | 190,077                        | 26,411,451    | 5,460,828   | 3,765,934   | 0.69       | 1,034,186                           | 110,009,950     | 17,990,176     | 13,444,067     | 0.75       |
| Olives               | 6,642                          | 4,767,408     | 340,576     | 585,209     | 1.72       | 70,278                              | 98,115,232      | 9,759,261      | 10,662,555     | 1.09       |

(continued)

# Federal Crop Insurance Summary of Business for Organic Production Experience by Commodity

| Crop Name                 | Organic Experience 2009 - 2018 |             |            |            |            | Conventional Experience 2009 - 2018 |                 |               |               |            |
|---------------------------|--------------------------------|-------------|------------|------------|------------|-------------------------------------|-----------------|---------------|---------------|------------|
|                           | Acreage                        | Liability   | Premium    | Indemnity  | Loss Ratio | Acreage                             | Liability       | Premium       | Indemnity     | Loss Ratio |
| Onions                    | 21,070                         | 66,920,740  | 3,930,350  | 2,903,786  | 0.74       | 429,147                             | 831,687,293     | 158,039,577   | 152,002,682   | 0.96       |
| Pasture,Rangeland, Forage | 7,382                          | 2,060,198   | 283,118    | 198,254    | 0.70       | 1,355,668                           | 96,628,144      | 17,831,994    | 15,053,955    | 0.84       |
| Peaches                   | 15,402                         | 52,337,636  | 6,427,323  | 5,483,276  | 0.85       | 290,213                             | 725,938,059     | 60,795,445    | 46,607,906    | 0.77       |
| Peanuts                   | 103,842                        | 47,471,442  | 4,082,542  | 3,516,827  | 0.86       | 878,498                             | 500,023,689     | 40,408,377    | 71,781,443    | 1.78       |
| Pears                     | 18,178                         | 92,954,858  | 2,164,790  | 2,390,846  | 1.10       | 292,076                             | 992,811,298     | 21,069,874    | 15,951,245    | 0.76       |
| Pecan Nut/Tree            | 12,760                         | 13,362,705  | 385,023    | 0          | 0.00       | 79,243                              | 162,897,058     | 5,529,257     | 1,513,426     | 0.27       |
| Peppers                   | 430                            | 1,515,352   | 230,991    | 351,467    | 1.52       | 12,141                              | 38,978,125      | 5,252,797     | 3,415,172     | 0.65       |
| Pima Cotton               | 4,443                          | 2,575,644   | 180,273    | 176,922    | 0.98       | 356,009                             | 309,456,447     | 23,797,135    | 56,979,263    | 2.39       |
| Pistachios                | 4,475                          | 10,367,903  | 551,139    | 1,680,506  | 3.05       | 171,126                             | 578,592,326     | 29,263,119    | 22,913,732    | 0.78       |
| Plums                     | 5,650                          | 16,796,615  | 1,850,936  | 1,412,368  | 0.76       | 137,107                             | 285,111,077     | 30,956,998    | 14,983,638    | 0.48       |
| Popcorn                   | 28,416                         | 18,109,542  | 1,708,015  | 3,004,701  | 1.76       | 125,684                             | 80,466,583      | 4,704,098     | 4,925,054     | 1.05       |
| Potatoes                  | 79,365                         | 161,036,301 | 15,483,346 | 20,248,282 | 1.31       | 2,488,500                           | 3,525,960,795   | 249,278,496   | 156,738,436   | 0.63       |
| Processing Beans          | 13,162                         | 6,428,954   | 650,993    | 1,209,019  | 1.86       | 138,714                             | 77,167,224      | 6,016,601     | 5,157,332     | 0.86       |
| Prunes                    | 11,235                         | 19,019,944  | 3,903,534  | 1,961,228  | 0.50       | 404,617                             | 690,450,151     | 147,516,752   | 102,966,318   | 0.70       |
| Pumpkins                  | 999                            | 1,458,838   | 90,850     | 93,851     | 1.03       | 16,285                              | 11,394,472      | 714,613       | 2,653,524     | 3.71       |
| Raisins                   | 15,119                         | 71,208,517  | 3,116,990  | 306,714    | 0.10       | 454,981                             | 1,836,624,289   | 96,370,472    | 9,974,758     | 0.10       |
| Rice                      | 370,218                        | 214,621,934 | 15,527,599 | 55,792,212 | 3.59       | 6,620,389                           | 4,470,191,070   | 189,007,084   | 335,990,087   | 1.78       |
| Rye                       | 14,798                         | 1,778,104   | 430,311    | 268,779    | 0.62       | 20,870                              | 2,662,894       | 435,372       | 427,741       | 0.98       |
| Safflower                 | 18,357                         | 986,067     | 280,511    | 260,067    | 0.93       | 108,382                             | 10,255,606      | 1,942,873     | 1,043,275     | 0.54       |
| Sesame                    | 480                            | 93,980      | 33,060     | 84,193     | 2.55       | 0                                   | 0               | 0             | 0             | 0          |
| Silage Sorghum            | 11,917                         | 4,369,037   | 580,497    | 878,523    | 1.51       | 106,117                             | 28,488,550      | 3,318,182     | 1,136,009     | 0.34       |
| Soybeans                  | 951,225                        | 416,567,951 | 46,692,588 | 71,401,008 | 1.53       | 258,790,526                         | 100,246,341,072 | 7,788,366,880 | 3,489,648,181 | 0.45       |
| Strawberries              | 64                             | 1,172,755   | 56,764     | 0          | 0.00       | 432                                 | 7,834,804       | 271,694       | 110,719       | 0.41       |
| Sugar Beets               | 2,884                          | 1,727,114   | 78,671     | 11,409     | 0.15       | 617,894                             | 449,253,570     | 16,211,626    | 7,217,973     | 0.45       |
| Sugarcane                 | 1,176                          | 248,209     | 4,336      | 0          | 0.00       | 255,099                             | 89,476,130      | 1,444,033     | 112,885       | 0.08       |
| Sunflowers                | 105,199                        | 22,045,890  | 5,032,356  | 4,657,579  | 0.93       | 1,529,213                           | 356,882,241     | 66,437,401    | 46,359,652    | 0.70       |
| Sweet Corn                | 71,643                         | 58,652,829  | 3,351,910  | 5,930,755  | 1.77       | 742,911                             | 387,162,447     | 17,326,060    | 11,124,866    | 0.64       |
| Table Grapes              | 34,482                         | 103,768,311 | 2,793,801  | 1,871,858  | 0.67       | 751,464                             | 2,514,182,788   | 98,236,785    | 66,105,429    | 0.67       |
| Tangors                   | 23                             | 43,708      | 2,102      | 0          | 0.00       | 3,352                               | 6,488,815       | 444,978       | 0             | 0.00       |
| Tobacco                   | 49,392                         | 222,258,953 | 18,823,802 | 43,172,528 | 2.29       | 1,169,025                           | 3,602,312,669   | 279,589,176   | 621,851,921   | 2.22       |
| Tomatoes                  | 78,675                         | 200,424,023 | 6,028,692  | 7,249,671  | 1.20       | 1,950,306                           | 3,810,068,826   | 81,239,949    | 50,088,277    | 0.62       |
| Triticale                 | 1,979                          | 238,089     | 47,408     | 14,111     | 0.30       | 2,599                               | 326,346         | 68,451        | 0             | 0.00       |
| Tropical Fruit/Tree       | 332                            | 3,327,541   | 50,520     | 35,008     | 0.69       | 6,119                               | 68,654,650      | 734,705       | 2,191,201     | 2.98       |
| Walnuts                   | 19,463                         | 28,164,611  | 870,108    | 414,558    | 0.48       | 988,598                             | 1,735,423,590   | 50,584,115    | 11,775,360    | 0.23       |
| Wheat                     | 2,637,812                      | 468,819,189 | 89,849,755 | 90,989,782 | 1.01       | 126,554,935                         | 24,480,615,225  | 3,861,498,237 | 2,775,838,988 | 0.72       |

(continued)



# Federal Crop Insurance Summary of Business for Organic Production Experience by Commodity

| Crop Name | Organic Experience 2009 - 2018 |               |             |             |            | Conventional Experience 2009 - 2018 |                 |                |                |            |
|-----------|--------------------------------|---------------|-------------|-------------|------------|-------------------------------------|-----------------|----------------|----------------|------------|
|           | Acreage                        | Liability     | Premium     | Indemnity   | Loss Ratio | Acreage                             | Liability       | Premium        | Indemnity      | Loss Ratio |
| Total     | 8,446,627                      | 5,903,030,461 | 545,001,961 | 748,075,701 | 1.37       | 814,769,916                         | 414,021,287,706 | 34,198,812,597 | 26,031,108,266 | 0.76       |