

# Wildlife Damage Abatement and Claims Program, 2006

By Brad Koele and Laurie Fike

## Introduction

Each year the Wisconsin Department of Natural Resources (WDNR), through the Wildlife Damage Abatement and Claims Program (WDACP), provides damage prevention assistance and partial compensation to farmers when wild deer, elk, bear, geese and turkeys damage their agricultural crops. The program covers damage to the following: commercial seedings and crops grown on agricultural land, crops that have been harvested for sale or further use but have not been removed from the agricultural land, orchard trees, nursery stock, apiaries, and livestock.

Wisconsin has had a wildlife damage program since 1931. The current WDACP was created in 1983 by the legislature, in response to concerns from the agricultural community and with input from farmers, hunters, landowners, and wildlife damage specialists. In 2006, 70 of the 72 counties in Wisconsin participated in the WDACP. Kenosha, and Menominee counties did not participate in the program.

## Methods

Abatement assistance and claims appraisal investigations for the WDACP are conducted in accordance with State Statute 29.889 and Wisconsin Administrative Code NR 12, using methods documented in the WDACP Technical Manual (a copy of this manual can be obtained by writing to: Wildlife Damage Specialist, Bureau of Wildlife Management, WM/6, Wisconsin Department of Natural Resources, PO Box 7921, Madison, WI 53707-7921). County government is responsible for local implementation of the program. During 2006, 47 counties subcontracted 'on farm' services to Wildlife Services, a branch of the U.S. Department of Agriculture—Animal and Plant Health Inspection Service (USDA-APHIS-WS).

## Results

Tentatively, WDNR will pay 491 wildlife damage claims for damage that occurred during 2006, reflecting \$1,777,875 in appraised losses, with \$1,353,211 eligible for payment (Table 1). The number of claims filed and appraised losses decreased from 2005 (17% and 1% decrease, respectively). In general, the number of claims filed and appraised losses increased each year since 1993, with the exception of the sharp decline observed between 1997 and 1998 which corresponded with implementation of improved regulations for enforcement of hunting access requirements in 1998 (Figure 1, Table 2). In addition the decrease in claims in 2006 compared to 2005 was likely due to the implementation of ACT 82 which now allows landowners to enroll in the WDACP without allowing hunting access if they only receive shooting permits for abatement and they do not receive compensation for damages. The number of claims filed and total appraised losses in 2006 are still slightly over 46% and 57%, respectively, of 1997 claims and losses.

Wildlife damage claims were filed in 61 of the 70 counties enrolled in the program in 2006 (Table 1). On average, 7.0 claims were filed (range 0 - 51) and \$25,398 in damage was appraised (range \$0 - \$251,739) in each county enrolled in the program. Both figures are less than in 2005. Marathon, Marinette, Sawyer, and Outagamie counties had the greatest appraised losses from wildlife damage (>\$100,000 each) and Marinette and Outagamie counties had the most acreage damaged by wildlife (>1000 acres each). Assessed damage in 2006 increased from 2005 levels in 26 counties, and decreased in 41 counties. The largest increases in assessed damage (> \$25,000) occurred in Marathon (\$208,493 increase) and Sawyer (\$85,050 increase) counties. Assessed damage decreased by more than \$60,000 from 2005 to 2006 in Langlade (\$64,636), and Outagamie (\$62,422) counties. The largest numbers of claims (25 or more) were filed in Marinette and Outagamie counties. The number of claims filed increased substantially (> 5 claims) from 2005 to 2006 in Outagamie county, and decreased by more than 5 claims in Clark, Iowa, Langlade, Waushara, and Wood counties.

Deer damage represented 81% of appraised losses statewide, bear damage 7%, goose damage 2%, and turkey damage 10%. Total deer damage recorded statewide decreased 9.6% from 2005 to 2006 (compared to a 32% decrease from 2004 to

2005). Statewide bear and turkey damage increased, by 72%, and 168%, respectively, from 2005 to 2006. Statewide goose damage increased by 26% from 2005-2006.

Appraised losses from deer damage exceeded \$110,000 in Marinette and Outagamie counties (Table 1). Deer damage units with very high losses (more than \$75,000) were 51B, 53, 63A, 66, and 67A (Table 3). In these deer management units, the primary crops damaged were corn and soybeans. Statewide, the primary crop damaged by deer was corn (appraised loss \$732,928), followed by soybeans, forage crops, and cranberries (Table 4, Figure 2).

Appraised damage losses from bear were highest in Sawyer County (\$89,529), with damage occurring primarily to corn. Appraised losses from geese were highest in Brown County (\$13,891) with geese damaging primarily alfalfa (Table 1). Turkey damage occurred in eight counties, and was highest in Marathon (\$171,873) county where turkeys caused substantial damage to ginseng (Table 1).

State abatement costs for the program totaled \$848,971 in 2006. The WDACP built 19, 8ft, high tensile, woven wire fences in 10 counties, which collectively measured 23.8 miles in length and cost the program \$340,715 (Table 5). An additional \$47,909 was spent for temporary fences, \$16,908 for repellents, \$63,298 for bear trapping, and \$28,388 for scare devices. The most commonly used abatement measure was deer damage shooting permits. In 2006, we issued 710 deer damage shooting permits across the state under which 5,841 deer were removed (see Agricultural Deer Damage Shooting Permits, 2006). USDA-APHIS-WS provided assistance to the Department in trapping and relocating 479 bears damaging crops, up from 239 bears trapped and relocated in 2005. State administration costs for WDACP participant counties totaled \$ 1,000,106 in 2006. In addition to state expenditures on WDACP administration and abatement, an additional \$236,526 in administration costs and \$20,525 in abatement costs were contributed by the federal government, USDA-APHIS-WS.

State statute 29.89 authorizes the use of WDACP funds to fund processing of venison for donation to food pantries. The county must be enrolled in the WDACP to be eligible to receive funds for venison processing. In 2006, 53 of 70 counties chose to participate in Wisconsin Deer Donation 2006. In those counties, hunters donated 10,554 deer, and processors processed nearly 474,930 pounds of venison (Table 6). Counties in which hunters donated the most deer were Buffalo (909), Trempealeau (813), Fond du Lac (476), and Waupaca (426). Food pantries distributed this venison to needy people around the state. The cost of the program in 2006 was approximately \$516,199. 97% (\$500,455) of program costs were for venison processing fees, and the remaining 3% (\$15,744) were advertising and administration costs.

Figure 1. Trends in the number of wildlife damage claims filed and appraised losses in the WDACP, 1997-2006. Data source: WDACP database.

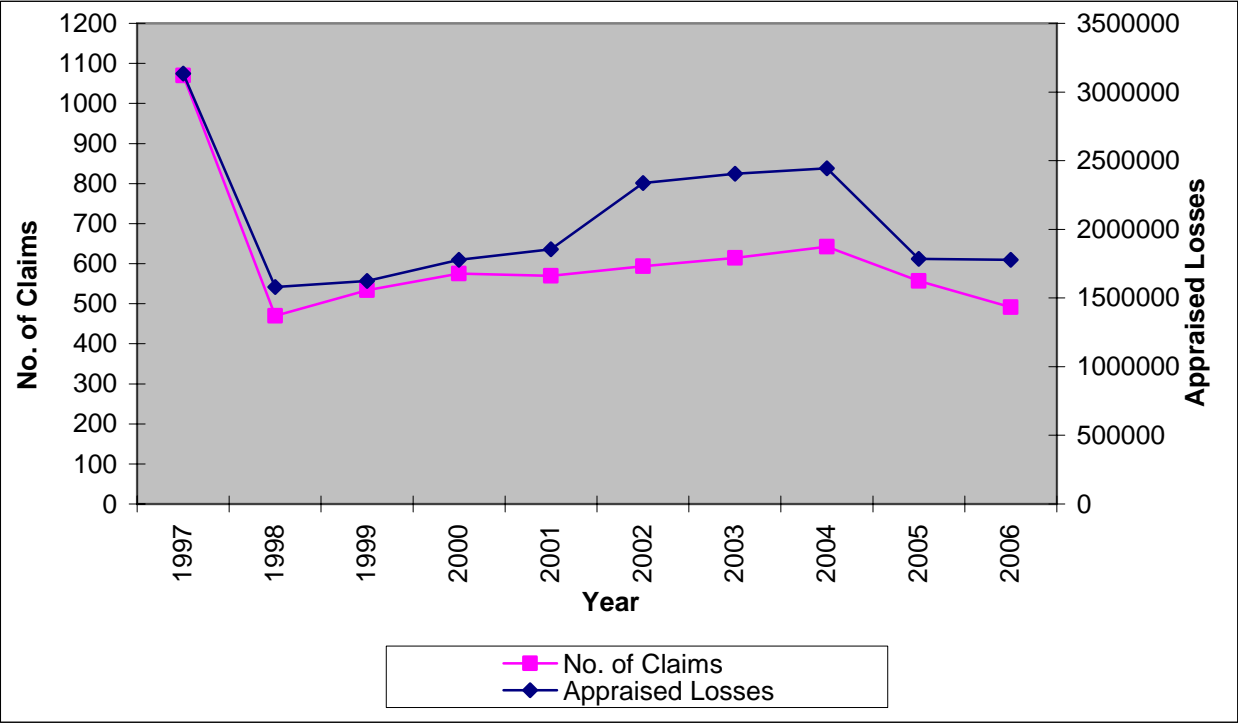


Table 1. WDACP 2006 wildlife damage claims characteristics by county.

| County      | No. of Claims Filed | Assessed Damage | Eligible Claims | Average Claim | Acres Appraised | Acres Damaged | Total Deer Damage | Total Goose Damage | Total Bear Damage | Total Turkey Damage |
|-------------|---------------------|-----------------|-----------------|---------------|-----------------|---------------|-------------------|--------------------|-------------------|---------------------|
| Adams       | 17                  | \$64,662.16     | \$55,572.46     | \$3,268.97    | 3422.65         | 597.10        | \$64,663.16       | \$0.00             | \$0.00            | \$0.00              |
| Ashland     | 2                   | \$1,997.07      | \$1,747.07      | \$873.54      | 136.60          | 5.40          | \$0.00            | \$0.00             | \$1,997.06        | \$0.00              |
| Barron      | 8                   | \$6,463.41      | \$5,248.41      | \$656.05      | 1467.60         | 70.85         | \$6,082.81        | \$0.00             | \$380.62          | \$0.00              |
| Bayfield    | 5                   | \$4,085.77      | \$2,788.56      | \$557.71      | 334.20          | 18.21         | \$3,486.67        | \$0.00             | \$599.11          | \$0.00              |
| Brown       | 8                   | \$34,701.36     | \$30,014.88     | \$3,751.86    | 1119.30         | 290.00        | \$20,809.73       | \$13,891.64        | \$0.00            | \$0.00              |
| Buffalo     | 0                   |                 |                 |               |                 |               |                   |                    |                   |                     |
| Burnett     | 18                  | \$32,191.51     | \$28,134.01     | \$1,563.00    | 3192.60         | 309.50        | \$23,511.13       | \$793.80           | \$7,886.62        | \$0.00              |
| Calumet     | 2                   | \$7,176.47      | \$6,676.47      | \$3,338.24    | 530.00          | 106.80        | \$10,176.47       | \$0.00             | \$0.00            | \$0.00              |
| Chippewa    | 1                   | \$257.00        | \$7.00          | \$7.00        | 70.00           | 521.00        | \$257.00          | \$0.00             | \$0.00            | \$0.00              |
| Clark       | 4                   | \$10,424.86     | \$8,764.56      | \$2,191.14    | 647.50          | 183.75        | \$10,459.83       | \$0.00             | \$0.00            | \$0.00              |
| Columbia    | 12                  | \$44,219.75     | \$39,876.23     | \$3,323.02    | 2759.80         | 285.05        | \$43,348.75       | \$870.99           | \$0.00            | \$0.00              |
| Crawford    | 0                   |                 |                 |               |                 |               |                   |                    |                   |                     |
| Dane        | 12                  | \$20,882.93     | \$17,199.73     | \$1,433.31    | 658.20          | 67.31         | \$20,340.74       | \$542.19           | \$0.00            | \$0.00              |
| Dodge       | 12                  | \$16,527.77     | \$13,209.32     | \$1,100.78    | 804.45          | 70.35         | \$13,782.49       | \$2,621.34         | \$0.00            | \$123.95            |
| Door        | 7                   | \$16,465.85     | \$12,594.68     | \$1,799.24    | 521.74          | 86.12         | \$14,248.90       | \$488.24           | \$0.00            | \$1,582.36          |
| Douglas     | 0                   |                 |                 |               |                 |               |                   |                    |                   |                     |
| Dunn        | 4                   | \$4,047.22      | \$3,247.22      | \$811.81      | 83.00           | 15.95         | \$1,446.87        | \$1,751.48         | \$658.99          | \$0.00              |
| Eau Claire  | 0                   |                 |                 |               |                 |               |                   |                    |                   |                     |
| Florence    | 4                   | \$7,417.61      | \$6,417.61      | \$1,604.40    | 735.30          | 134.75        | \$7,314.14        | \$0.00             | \$121.68          | \$0.00              |
| Fond du Lac | 9                   | \$22,099.25     | \$19,279.20     | \$2,142.13    | 3094.05         | 196.20        | \$21,502.33       | \$596.92           | \$0.00            | \$0.00              |
| Forest      | 2                   | \$1,448.09      | \$948.09        | \$474.05      | 26.00           | 1.50          | \$0.00            | \$0.00             | \$1,448.09        | \$0.00              |
| Grant       | 15                  | \$84,597.97     | \$64,212.19     | \$4,280.81    | 4335.00         | 559.60        | \$84,637.97       | \$0.00             | \$0.00            | \$0.00              |
| Green       | 0                   |                 |                 |               |                 |               |                   |                    |                   |                     |
| Green Lake  | 15                  | \$48,344.53     | \$44,265.96     | \$2,951.06    | 2747.60         | 313.71        | \$48,344.53       | \$0.00             | \$0.00            | \$0.00              |
| Iowa        | 6                   | \$14,749.04     | \$12,530.55     | \$2,088.43    | 939.41          | 127.16        | \$14,749.04       | \$0.00             | \$0.00            | \$0.00              |
| Iron        | 1                   | \$566.68        | \$316.68        | \$316.68      | 3.00            | 3.00          | \$0.00            | \$0.00             | \$566.68          | \$0.00              |
| Jackson     | 6                   | \$14,540.97     | \$13,180.97     | \$2,196.83    | 1783.50         | 143.70        | \$14,540.97       | \$0.00             | \$0.00            | \$0.00              |
| Jefferson   | 4                   | \$4,114.85      | \$3,167.18      | \$791.80      | 310.34          | 21.95         | \$2,977.67        | \$1,137.18         | \$0.00            | \$0.00              |
| Juneau      | 4                   | \$4,481.45      | \$3,711.46      | \$927.87      | 385.60          | 55.50         | \$4,481.45        | \$0.00             | \$0.00            | \$0.00              |
| Kenosha     | NEP                 |                 |                 |               |                 |               |                   |                    |                   |                     |
| Kewaunee    | 3                   | \$2,885.53      | \$2,135.53      | \$711.84      | 314.00          | 41.30         | \$2,112.30        | \$0.00             | \$0.00            | \$773.23            |
| La Crosse   | 3                   | \$1,720.56      | \$1,205.56      | \$401.85      | 97.50           | 16.25         | \$1,438.46        | \$0.00             | \$0.00            | \$282.10            |
| Lafayette   | 0                   |                 |                 |               |                 |               |                   |                    |                   |                     |
| Langlade    | 1                   | \$727.74        | \$477.74        | \$477.74      | 207.00          | 8.75          | \$539.80          | \$0.00             | \$187.95          | \$0.00              |
| Lincoln     | 4                   | \$4,603.71      | \$3,251.60      | \$812.90      | 1166.70         | 103.00        | \$3,550.56        | \$0.00             | \$1,053.15        | \$0.00              |
| Manitowoc   | 8                   | \$25,661.26     | \$23,332.97     | \$2,916.62    | 471.70          | 144.30        | \$24,074.85       | \$662.64           | \$0.00            | \$923.76            |
| Marathon    | 20                  | \$251,739.80    | \$80,097.38     | \$4,004.87    | 4296.00         | 390.45        | \$77,227.00       | \$3,040.07         | \$0.00            | \$171,873.00        |
| Marinette   | 51                  | \$240,036.43    | \$196,480.37    | \$3,852.56    | 12909.40        | 1657.15       | \$239,528.97      | \$0.00             | \$1,028.70        | \$0.00              |

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|--------------|---------------------|-----------------|-----------------|---------------|-----------------|---------------|-------------------|--------------------|-------------------|---------------------|
| Marquette    | 20                  | \$90,970.32     | \$75,609.23     | \$3,780.46    | 4193.54         | 652.85        | \$90,920.34       | \$0.00             | \$0.00            | \$0.00              |
| Menominee    | NEP                 |                 |                 |               |                 |               |                   |                    |                   |                     |
| Milwaukee    | 0                   |                 |                 |               |                 |               |                   |                    |                   |                     |
| Monroe       | 3                   | \$5,635.34      | \$5,010.34      | \$1,670.11    | 317.30          | 48.10         | \$4,165.16        | \$0.00             | \$1,470.18        | \$0.00              |
| Oconto       | 0                   |                 |                 |               |                 |               |                   |                    |                   |                     |
| Oneida       | 1                   | \$8,862.55      | \$7,890.04      | \$7,890.04    | 233.80          | 67.40         | \$8,862.55        | \$0.00             | \$0.00            | \$0.00              |
| Outagamie    | 36                  | \$124,390.56    | \$113,444.17    | \$3,151.23    | 5205.60         | 1083.81       | \$121,704.56      | \$0.00             | \$2,686.00        | \$0.00              |
| Ozaukee      | 0                   |                 |                 |               |                 |               |                   |                    |                   |                     |
| Pepin        | 1                   | \$336.60        | \$251.60        | \$251.60      |                 |               | \$0.00            | \$0.00             | \$336.60          | \$0.00              |
| Pierce       | 1                   | \$573.01        | \$323.01        | \$323.01      | 59.00           | 3.75          | \$573.02          | \$0.00             | \$0.00            | \$0.00              |
| Polk         | 22                  | \$58,528.73     | \$48,747.66     | \$2,215.80    | 2456.76         | 513.65        | \$50,858.05       | \$4,949.34         | \$2,547.30        | \$0.00              |
| Portage      | 11                  | \$17,703.35     | \$14,408.13     | \$1,309.83    | 1535.95         | 159.05        | \$16,134.60       | \$0.00             | \$0.00            | \$1,568.75          |
| Price        | 8                   | \$15,572.58     | \$13,723.03     | \$1,715.38    | 465.70          | 86.45         | \$11,006.33       | \$99.55            | \$4,466.70        | \$0.00              |
| Racine       | 1                   | \$270.93        | \$20.93         | \$20.93       | 6.00            | 2.50          | \$0.00            | \$270.93           | \$0.00            | \$0.00              |
| Richland     | 13                  | \$64,470.46     | \$59,152.12     | \$4,550.16    | 2961.00         | 289.10        | \$64,468.46       | \$0.00             | \$0.00            | \$0.00              |
| Rock         | 3                   | \$3,090.12      | \$2,340.12      | \$780.04      | 239.60          | 16.37         | \$0.00            | \$3,090.12         | \$0.00            | \$0.00              |
| Rusk         | 2                   | \$6,874.37      | \$6,374.37      | \$3,187.19    | 113.60          | 18.50         | \$4,777.08        | \$0.00             | \$2,761.40        | \$0.00              |
| Sauk         | 7                   | \$8,692.32      | \$7,141.37      | \$1,020.20    | 819.40          | 134.57        | \$8,692.32        | \$0.00             | \$0.00            | \$0.00              |
| Sawyer       | 17                  | \$141,553.02    | \$106,344.19    | \$6,255.54    | 3984.10         | 381.40        | \$50,141.04       | \$0.00             | \$89,529.48       | \$1,713.58          |
| Shawano      | 2                   | \$4,898.79      | \$4,402.79      | \$2,201.40    | 222.70          | 46.30         | \$3,870.66        | \$0.00             | \$0.00            | \$0.00              |
| Sheboygan    | 2                   | \$1,742.00      | \$1,242.00      | \$621.00      | 119.80          | 38.10         | \$1,742.00        | \$0.00             | \$0.00            | \$0.00              |
| St. Croix    | 4                   | \$14,531.12     | \$12,641.66     | \$3,160.42    | 381.50          | 55.70         | \$14,060.53       | \$0.00             | \$470.60          | \$0.00              |
| Taylor       | 7                   | \$11,408.01     | \$9,685.26      | \$1,383.61    | 924.80          | 90.75         | \$9,804.05        | \$1,603.97         | \$0.00            | \$0.00              |
| Trempealeau  | 4                   | \$4,920.90      | \$3,920.90      | \$980.23      | 376.30          | 29.50         | \$4,920.90        | \$0.00             | \$0.00            | \$0.00              |
| Vernon       | 1                   | \$806.92        | \$556.92        | \$556.92      | 54.00           | 3.25          | \$806.92          | \$0.00             | \$0.00            | \$0.00              |
| Vilas        | 1                   | \$1,762.20      | \$1,512.20      | \$1,512.20    | 20.48           | 1.20          | \$1,762.20        | \$0.00             | \$0.00            | \$0.00              |
| Walworth     | 1                   | \$4,326.73      | \$4,076.73      | \$4,076.73    |                 |               | \$4,326.73        | \$0.00             | \$0.00            | \$0.00              |
| Washburn     | 9                   | \$12,344.78     | \$10,839.77     | \$1,204.42    | 839.80          | 130.60        | \$10,193.50       | \$1,785.35         | \$365.95          | \$0.00              |
| Washington   | 4                   | \$7,670.33      | \$6,670.33      | \$1,667.58    | 221.00          | 36.00         | \$7,670.33        | \$0.00             | \$0.00            | \$0.00              |
| Waukesha     | 1                   | \$108.09        | \$0.00          | \$0.00        | 56.40           | 1.00          | \$108.90          | \$0.00             | \$0.00            | \$0.00              |
| Waupaca      | 2                   | \$1,994.25      | \$1,494.25      | \$747.13      | 218.10          | 30.67         | \$1,994.25        | \$0.00             | \$0.00            | \$0.00              |
| Waushara     | 15                  | \$45,696.31     | \$32,752.71     | \$2,183.51    | 1961.30         | 323.50        | \$45,513.48       | \$0.00             | \$182.78          | \$0.00              |
| Winnebago    | 13                  | \$48,816.03     | \$43,817.25     | \$3,370.56    | 1914.70         | 467.45        | \$48,816.03       | \$0.00             | \$0.00            | \$0.00              |
| Wood         | 11                  | \$75,486.52     | \$58,726.82     | \$5,338.80    | 1596.90         | 99.02         | \$74,523.97       | \$0.00             | \$962.55          | \$0.00              |
| <i>Total</i> | 491                 | \$1,777,875.84  | \$1,353,211.54  |               | 81,068.87       | 11,356.20     | \$1,442,052.54    | \$38,195.74        | \$121,708.18      | \$178,840.72        |

NEP: Not enrolled in WDACP

Table 2. WDACP claims filed and appraised damage losses by county, 2000-2006.

| County      | 2006          |                 | 2005          |                 | 2004          |                 | 2003          |                 | 2002          |                 | 2001          |                 | 2000          |                 |
|-------------|---------------|-----------------|---------------|-----------------|---------------|-----------------|---------------|-----------------|---------------|-----------------|---------------|-----------------|---------------|-----------------|
|             | No. of claims | Assessed damage | No. of claims | Assessed damage | No. of claims | Assessed damage | No. of claims | Assessed damage | No. of claims | Assessed damage | No. of claims | Assessed damage | No. of claims | Assessed damage |
| Adams       | 17            | \$64,662        | 20            | \$46,849        | 22            | \$74,065        | 22            | 60,446          | 24            | 110,243         | 17            | 65,479          | 20            | 68,021          |
| Ashland     | 2             | \$1,997         | 1             | \$2,195         | 0             |                 | 0             |                 | 2             | 2,003           | 2             | 12,934          | 1             | 1,195           |
| Barron      | 8             | \$6,463         | 6             | \$5,866         | 9             | \$15,381        | 8             | 9,663           | 9             | 16,612          | 10            | 11,841          | 16            | 23,292          |
| Bayfield    | 5             | \$4,086         | 6             | \$23,138        | 9             | \$34,055        | 7             | 39,335          | 11            | 90,201          | 6             | 36,685          | 11            | 51,876          |
| Brown       | 8             | \$34,701        | 9             | \$52,655        | 11            | \$66,850        | 12            | 96,761          | 13            | 47,686          | 9             | 56,150          | 9             | 42,148          |
| Buffalo     | 0             |                 | 1             | \$189           | 3             | \$1,425         | 4             | 4,702           | 1             | 615             | 1             | 425             | 3             | 2,343           |
| Burnett     | 18            | \$32,192        | 18            | \$36,708        | 22            | \$66,687        | 25            | 67,974          | 31            | 102,190         | 30            | 73,982          | 33            | 104,117         |
| Calumet     | 2             | \$7,176         | 3             | \$11,062        | 3             | \$8,903         | 3             | 14,379          | 3             | 14,424          | 2             | 9,789           | 4             | 12,759          |
| Chippewa    | 1             | \$257           | 1             | \$1,369         | 3             | \$3,301         | 2             | 2,245           | 3             | 2,947           | 3             | 3,966           | 5             | 3,730           |
| Clark       | 4             | \$10,425        | 10            | \$9,528         | 9             | \$14,321        | 10            | 8,056           | 11            | 12,226          | 9             | 13,686          | 10            | 12,262          |
| Columbia    | 12            | \$44,220        | 13            | \$35,678        | 20            | \$65,324        | 22            | 120,795         | 22            | 111,445         | 25            | 137,276         | 25            | 125,101         |
| Crawford    | 0             |                 | 2             | \$32,078        | 1             | \$14,619        | 1             | 26,335          | 2             | 27,536          | 2             | 9,552           | 1             | 20,658          |
| Dane        | 12            | \$20,883        | 17            | \$18,532        | 16            | \$32,047        | 13            | 25,587          | 15            | 38,330          | 13            | 27,479          | 9             | 18,931          |
| Dodge       | 12            | \$16,528        | 11            | \$16,995        | 17            | \$17,244        | 17            | 22,870          | 17            | 32,739          | 13            | 18,105          | 13            | 23,841          |
| Door        | 7             | \$16,466        | 7             | \$32,668        | 17            | \$35,678        | 11            | 19,682          | 11            | 26,708          | 13            | 74,177          | 5             | 24,841          |
| Douglas     | 0             |                 |               |                 | 1             | \$755           | 0             |                 | 1             | 883             | 0             |                 | 2             | 3,016           |
| Dunn        | 4             | \$4,047         | 4             | \$4,648         | 4             | \$4,627         | 3             | 2,154           | 5             | 8,286           | 1             | 946             | 3             | 5,436           |
| Eau Claire  | 0             |                 |               |                 | 2             | \$2,996         | 0             |                 | 1             | 1,595           | 1             | 1,136           | 0             |                 |
| Florence    | 4             | \$7,418         | 7             | \$7,417         | 8             | \$10,478        | 7             | 13,921          | 11            | 18,146          | 11            | 19,734          | 11            | 25,470          |
| Fond du Lac | 9             | \$22,099        | 10            | \$22,216        | 10            | \$19,599        | 10            | 22,335          | 10            | 23,386          | 9             | 18,624          | 11            | 19,681          |
| Forest      | 2             | \$1,448         |               |                 | 0             |                 | 0             |                 | 0             |                 | 0             |                 | 0             |                 |
| Grant       | 15            | \$84,598        | 20            | \$75,542        | 22            | \$72,776        | 21            | 89,457          | 20            | 67,373          | 17            | 31,759          | 16            | 45,424          |
| Green       | 0             |                 |               |                 | 0             |                 | 0             |                 | 0             |                 | 0             |                 | 0             |                 |
| Green Lake  | 15            | \$48,345        | 15            | \$49,571        | 18            | \$60,179        | 25            | 76,127          | 26            | 113,002         | 22            | 83,028          | 21            | 80,461          |
| Iowa        | 6             | \$14,749        | 12            | \$14,690        | 15            | \$21,019        | 14            | 24,088          | 14            | 30,197          | 13            | 24,023          | 14            | 32,444          |
| Iron        | 1             | \$567           | 1             | \$612           | 0             |                 | 0             |                 | 0             |                 | 0             |                 | 0             |                 |
| Jackson     | 6             | \$14,541        | 9             | \$18,409        | 9             | \$78,900        | 7             | 23,848          | 3             | 7,827           | 6             | 38,611          | 8             | 21,817          |
| Jefferson   | 4             | \$4,115         | 3             | \$1,514         | 2             | \$2,194         | 2             | 645             | 3             | 1,367           | 3             | 2,526           | 4             | 3,168           |
| Juneau      | 4             | \$4,481         | 5             | \$3,702         | 5             | \$22,885        | 11            | 31,883          | 12            | 30,124          | 13            | 40,118          | 15            | 45,074          |
| Kenosha     | NEP           |                 | NEP           |                 | NEP           |                 | NEP           |                 | NEP           |                 | NEP           |                 | NEP           |                 |
| Kewaunee    | 3             | \$2,886         | 3             | \$1,939         | 4             | \$6,141         | 5             | 8,083           | 4             | 4,169           | 1             | 3,543           | 0             |                 |
| La Crosse   | 3             | \$1,721         | 4             | \$2,933         | 4             | \$4,082         | 6             | 4,496           | 5             | 3,948           | 4             | 3,512           | 2             | 1,589           |
| Lafayette   | 0             |                 |               |                 | 0             |                 | 0             |                 | NEP           |                 | NEP           |                 | NEP           |                 |
| Langlade    | 1             | \$728           | 7             | \$65,364        | 7             | \$58,136        | 8             | 24,016          | 5             | 9,579           | 4             | 9,015           | 5             | 14,616          |
| Lincoln     | 4             | \$4,604         | 3             | \$4,843         | 4             | \$17,029        | 3             | 16,504          | 3             | 7,898           | 3             | 7,123           | 3             | 5,996           |
| Manitowoc   | 8             | \$25,661        | 7             | \$39,853        | 4             | \$9,410         | 7             | 15,648          | 6             | 14,854          | 9             | 12,556          | 9             | 25,747          |
| Marathon    | 20            | \$251,740       | 17            | \$43,247        | 26            | \$214,155       | 21            | 77,110          | 16            | 74,565          | 20            | 56,139          | 20            | 62,704          |
| Marinette   | 51            | \$240,036       | 56            | \$254,339       | 57            | \$428,076       | 55            | 422,434         | 42            | 297,634         | 34            | 217,052         | 25            | 91,461          |

| County       | 2006          |                    | 2005          |                    | 2004          |                    | 2003          |                  | 2002          |                  | 2001          |                  | 2000          |                  |
|--------------|---------------|--------------------|---------------|--------------------|---------------|--------------------|---------------|------------------|---------------|------------------|---------------|------------------|---------------|------------------|
|              | No. of claims | Assessed damage    | No. of claims | Assessed damage    | No. of claims | Assessed damage    | No. of claims | Assessed damage  | No. of claims | Assessed damage  | No. of claims | Assessed damage  | No. of claims | Assessed damage  |
| Marquette    | 20            | \$90,970           | 21            | \$110,901          | 24            | \$119,078          | 27            | 179,742          | 22            | 170,094          | 23            | 105,946          | 22            | 154,923          |
| Menominee    | NEP           |                    | NEP           |                    | NEP           |                    | NEP           |                  | NEP           |                  | NEP           |                  | NEP           |                  |
| Milwaukee    | 0             |                    | 2             | \$1,658            | 1             | \$434              | 1             | 387              | 0             |                  | 2             | 2,893            | NEP           |                  |
| Monroe       | 3             | \$5,635            | 3             | \$8,378            | 5             | \$16,958           | 6             | 32,006           | 8             | 43,781           | 6             | 35,156           | 10            | 38,785           |
| Oconto       | 0             |                    | 3             | \$1,986            | 3             | \$20,482           | 4             | 15,051           | 3             | 7,221            | 6             | 10,556           | 2             | 1,960            |
| Oneida       | 1             | \$8,863            | 2             | \$14,504           | 2             | \$10,136           | 1             | 10,728           | 1             | 10,659           | 2             | 21,048           | 1             | 11,847           |
| Outagamie    | 36            | \$124,391          | 29            | \$186,813          | 27            | \$158,828          | 23            | 234,557          | 18            | 96,448           | 21            | 99,704           | 21            | 99,867           |
| Ozaukee      | 0             |                    | 1             | \$1,050            | 1             | \$3,307            | 1             | 395              | 0             |                  | 3             | 7,783            | 0             |                  |
| Pepin        | 1             | \$337              |               |                    | 0             |                    | 0             |                  | 0             |                  | 1             | 1,020            | 0             |                  |
| Pierce       | 1             | \$573              | 2             | \$1,489            | 0             |                    | 0             |                  | 0             |                  | 1             | 938              | 1             | 1,280            |
| Polk         | 22            | \$58,529           | 17            | \$53,828           | 18            | \$58,076           | 15            | 39,552           | 23            | 59,057           | 16            | 26,157           | 18            | 37,469           |
| Portage      | 11            | \$17,703           | 13            | \$17,484           | 19            | \$33,487           | 17            | 34,324           | 13            | 36,334           | 15            | 37,848           | 15            | 29,527           |
| Price        | 8             | \$15,573           | 7             | \$10,244           | 11            | \$41,858           | 13            | 41,362           | 18            | 128,427          | 15            | 52,465           | 17            | 55,124           |
| Racine       | 1             | \$271              | 1             | \$153              | 1             | \$3,921            | 2             | 512              | 1             | 985              | 3             | 7,568            | 1             | 968              |
| Richland     | 13            | \$64,470           | 17            | \$61,129           | 19            | \$41,249           | 19            | 43,363           | 15            | 40,336           | 18            | 58,094           | 16            | 37,055           |
| Rock         | 3             | \$3,090            | 3             | \$3,638            | 1             | \$1,161            | 2             | 2,751            | 2             | 4,700            | 2             | 1,055            | 2             | 1,322            |
| Rusk         | 2             | \$6,874            | 4             | \$5,236            | 4             | \$7,646            | 3             | 6,276            | 5             | 10,203           | 2             | 1,633            | 6             | 3,947            |
| Sauk         | 7             | \$8,692            | 11            | \$10,255           | 9             | \$13,499           | 11            | 14,869           | 9             | 15,056           | 11            | 16,669           | 12            | 22,577           |
| Sawyer       | 17            | \$141,533          | 16            | \$56,483           | 22            | \$54,443           | 16            | 48,436           | 22            | 99,883           | 20            | 82,394           | 24            | 74,223           |
| Shawano      | 2             | \$4,899            | 5             | \$8,654            | 6             | \$14,998           | 6             | 13,426           | 3             | 3,745            | 5             | 11,925           | 4             | 11,989           |
| Sheboygan    | 2             | \$1,742            | 4             | \$9,971            | 3             | \$7,523            | 4             | 10,659           | 2             | 1,378            | 0             |                  | 0             |                  |
| St. Croix    | 4             | \$14,531           | 6             | \$19,217           | 7             | \$22,349           | 2             | 8,486            | 5             | 15,205           | 2             | 2,565            | 3             | 4,442            |
| Taylor       | 7             | \$11,408           | 8             | \$20,429           | 6             | \$23,416           | 6             | 11,276           | 4             | 5,554            | 3             | 9,071            | 2             | 766              |
| Trempealeau  | 4             | \$4,921            | 7             | \$25,529           | 8             | \$49,147           | 7             | 35,491           | 6             | 14,355           | 9             | 15,501           | 4             | 4,353            |
| Vernon       | 1             | \$807              | 1             | \$11,767           | 2             | \$4,425            | 1             | 23,513           | 2             | 39,422           | 3             | 2,121            | 2             | 6,612            |
| Vilas        | 1             | \$1,762            | 2             | \$4,020            | 4             | \$26,130           | 0             |                  | 3             | 13,495           | 3             | 11,071           | 4             | 29,563           |
| Walworth     | 1             | \$4,327            |               |                    | 3             | \$10,911           | 3             | 9,685            | 2             | 4,280            | 1             | 495              | 2             | 3,031            |
| Washburn     | 9             | \$12,345           | 4             | \$7,023            | 13            | \$36,858           | 12            | 18,847           | 9             | 44,093           | 13            | 18,208           | 14            | 25,514           |
| Washington   | 4             | \$7,670            | 2             | \$3,423            | 7             | \$19,514           | 5             | 20,219           | 4             | 7,884            | 3             | 5,104            | 3             | 4,384            |
| Waukesha     | 1             | \$108              | 1             | \$230              | 1             | \$580              | 2             | 8,495            | 5             | 18,504           | 4             | 9,523            | 2             | 9,582            |
| Waupaca      | 2             | \$1,994            | 3             | \$2,955            | 7             | \$9,225            | 5             | 11,413           | 1             | 959              | 4             | 9,866            | 2             | 3,820            |
| Waushara     | 15            | \$45,696           | 21            | \$37,533           | 19            | \$48,514           | 16            | 54,746           | 10            | 40,499           | 13            | 38,922           | 12            | 33,914           |
| Winnebago    | 13            | \$48,816           | 13            | \$81,392           | 13            | \$39,682           | 13            | 62,321           | 9             | 30,245           | 9             | 24,443           | 9             | 34,664           |
| Wood         | 11            | \$75,487           | 20            | \$70,793           | 12            | \$66,106           | 9             | 40,559           | 7             | 23,019           | 5             | 7,065            | 10            | 15,521           |
| <i>Total</i> | <i>491</i>    | <i>\$1,777,875</i> | <i>557</i>    | <i>\$1,784,513</i> | <i>642</i>    | <i>\$2,447,277</i> | <i>614</i>    | <i>2,405,026</i> | <i>594</i>    | <i>2,336,559</i> | <i>570</i>    | <i>1,856,567</i> | <i>575</i>    | <i>1,778,247</i> |

NEP: Not enrolled in WDACP





| DMU          | No. of claims | Total Appraised Loss | Corn <sup>1</sup> | Soybeans         | Forage <sup>2</sup> | Potatoes        | Orchards <sup>3</sup> | Cranberries     | Sweet corn      | Nursery stock   | Cabbage        | Other fruits and vegetables <sup>4</sup> | Other <sup>5</sup> |
|--------------|---------------|----------------------|-------------------|------------------|---------------------|-----------------|-----------------------|-----------------|-----------------|-----------------|----------------|--|--------------------|
| 75C          | 6             | \$2,633              | \$2,310           |                  | \$323               |                 |                       |                 |                 |                 |                |  |                    |
| 76           | 25            | \$17,344             | \$2,133           | \$507            | \$103               |                 | \$4,741               |                 |                 | \$9,861         |                |  |                    |
| 76A          | 7             | \$2,432              | \$1,845           | \$587            |                     |                 |                       |                 |                 |                 |                |  |                    |
| 77B          | 1             | \$4,327              |                   |                  |                     |                 |                       |                 |                 | \$4,327         |                |  |                    |
| 77C          | 12            | \$4,031              | \$1,294           | \$1,026          | \$530               |                 |                       |                 |                 | \$1,180         |                |  |                    |
| 77M          | 16            | \$5,490              | \$109             | \$0              | \$870               |                 |                       |                 |                 |                 |                | \$4,394                                  | \$117              |
| 80A          | 5             | \$551                |                   | \$551            |                     |                 |                       |                 |                 |                 |                |  |                    |
| 80B          | 24            | \$15,811             | \$3,093           | \$4,140          |                     |                 |                       |                 |                 |                 |                | \$7,253                                  | \$1,324            |
| <b>Total</b> |               | <b>\$1,442,053</b>   | <b>\$732,928</b>  | <b>\$245,079</b> | <b>\$174,231</b>    | <b>\$38,727</b> | <b>\$6,394</b>        | <b>\$61,724</b> | <b>\$25,766</b> | <b>\$23,216</b> | <b>\$5,908</b> | <b>\$55,581</b>                          | <b>\$72,500</b>    |

<sup>1</sup> Corn includes corn for grain, silage, and organic corn (in descending order of appraised losses).

<sup>2</sup> Forage includes alfalfa, alfalfa/grass mix, hay, alfalfa/clover mix, and clover (in descending order of appraised losses).

<sup>3</sup> Orchards include apples and cherries (in descending order of appraised losses).

<sup>4</sup> Other fruits and vegetables includes pumpkins, snap beans, carrots, strawberries, cucumbers, green beans, watermelon, squash, red peppers, snap peas, peas, musk melon, broccoli, onions, beets, lettuce, and cantaloupe (in descending order of appraised losses).

<sup>5</sup> Other includes Christmas trees, sunflowers, small grains, and straw (in descending order of appraised losses).

Table 4. WDACP. 2006 statewide deer damage claims summarized by crop category. Note that a claim including deer damage to multiple crops within the same category is counted only once. Because claims often include damage to crops in multiple categories, the sum of column two is not equal to the total number of deer damage claims filed in the WDACP in 2006.

| Category                                 | No. of claims | Acres appraised | Acres damaged | Appraised loss     | Yield lost | Units          |
|--|---------------|-----------------|---------------|--------------------|------------|----------------|
| Corn <sup>1</sup>                        | 329           | 29,448          | 3,628         | \$732,928          | 266535     | bushels        |
| Soybeans                                 | 214           | 14,999          | 1,950         | \$245,079          | 44562      | bushels        |
| Forage <sup>2</sup>                      | 149           | 23,915          | 3,779         | \$174,231          | 1866       | tons           |
| Other fruits and vegetables <sup>3</sup> | 28            | 1,595           | 154           | \$55,581           | *          |                |
| Potatoes                                 | 6             | 1,244           | 92            | \$38,727           | 3535       | hundred weight |
| Orchards <sup>4</sup>                    | 4             | 99              | 534           | \$6,394            | *          |                |
| Cranberries                              | 4             | 65              | 10            | \$61,724           | 1543       | barrels        |
| Sweet corn                               | 12            | 780             | 191           | \$25,766           | *          |                |
| Nursery stock                            | 8             |                 |               | \$23,216           | *          |                |
| Cabbage                                  | 2             | 47              | 28            | \$5,908            | *          |                |
| Other <sup>5</sup>                       | 39            | 2,101           | 247           | \$72,500           | *          |                |
| <b>Total</b>                             |               | <b>72,191</b>   | <b>10,366</b> | <b>\$1,442,053</b> |            |                |

\* Multiple methods of marketing crops in this category.

<sup>1</sup> Corn includes corn for grain, silage, and organic corn (in descending order of appraised losses); total yield lost calculation for this category excludes a small amount of corn for silage marketed by the ton.

<sup>2</sup> Forage includes alfalfa, alfalfa/grass mix, hay, alfalfa/clover mix, and clover (in descending order of appraised losses).

<sup>3</sup> Other fruits and vegetables includes pumpkins, snap beans, carrots, strawberries, cucumbers, green beans, watermelon, squash, red peppers, snap peas, peas, musk melon, broccoli, onions, beets, lettuce, and cantaloupe (in descending order of appraised losses).

<sup>4</sup> Orchards include apples and cherries (in descending order of appraised losses).

<sup>5</sup> Other includes Christmas trees, sunflowers, small grains, and straw (in descending order of appraised losses).

Figure 2. Value of statewide appraised deer damage losses recorded in the WDACP in 2006 by crop category. See Table 4 for a description of the crop categories.

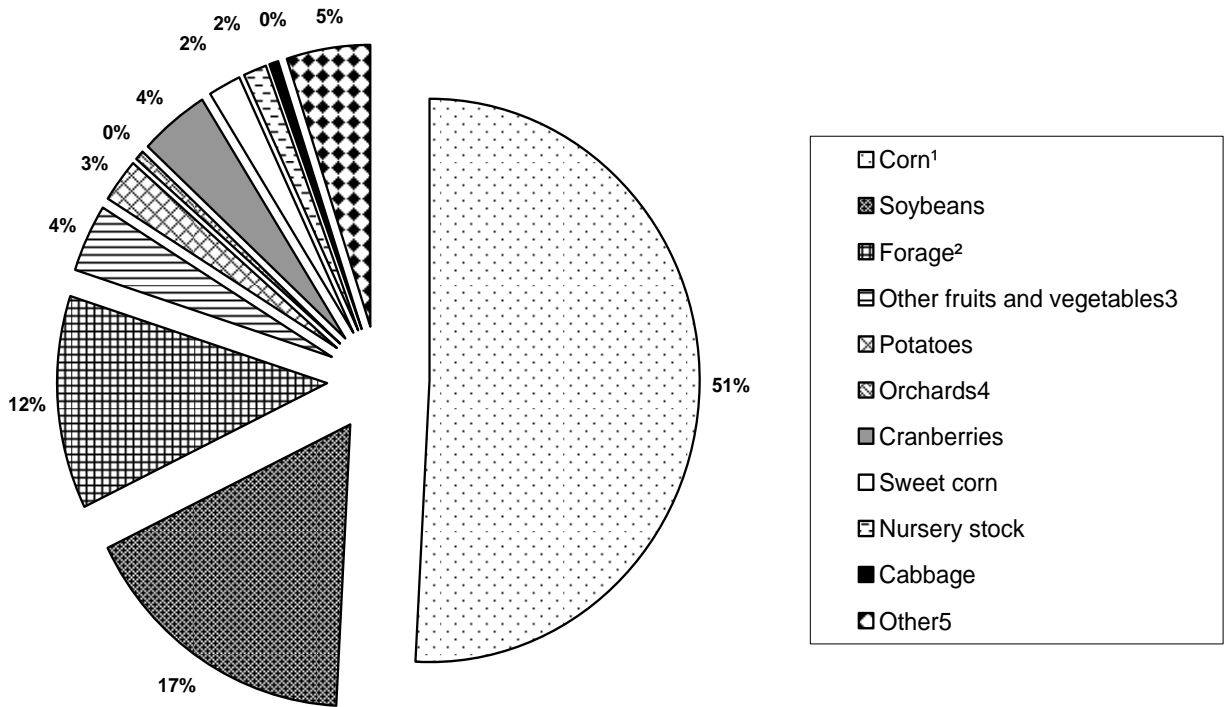


Table 5. Eight foot, high tensile, woven wire, deer barrier fence projects installed in 2006.  
 Source: WDNR WDACP Database and personal communication with USDA-Wildlife Services  
 and county wildlife damage specialists.

| County       | Number of fences | Cost to WDACP       | Linear feet of fence | Acres protected by fence | Crops protected by fence                 |
|--------------|------------------|---------------------|----------------------|--------------------------|--|
| Adams        | 1                | \$30,396.00         | 10,132               | 201                      | Row Crops                                |
| Chippewa     | 1                | \$13,848.00         | 4,620                | 35                       | Apple Trees, Produce                     |
| Dane         | 1                | \$9,525.00          | 3,575                | 35.49                    | Apple Trees                              |
| Eau Claire   | 1                | \$19,728.00         | 8,220                | 78.5                     | Apple Trees, Blueberries                 |
| Marinette    | 1                | \$7,218.75          | 2,750                | 15.8                     | Christmas Trees                          |
| Monroe       | 3                | \$21,300.00         | 7,100                | 101                      | Cranberries                              |
|              |                  | \$42,300.00         | 14,100               | 319                      | Cranberries                              |
|              |                  | \$12,750.00         | 4,845                | 90                       | Cranberries                              |
| Pierce       | 1                | \$5,077.50          | 1,354                | 2.6                      | Fruit Trees                              |
| Washburn     | 2                | \$4,725.00          | 1,780                | 3.58                     | Blueberries                              |
|              |                  | \$11,580.00         | 3,860                | 40                       | Strawberries, Blueberries, Apples, Plums |
| Waushara     | 3                | \$26,181.00         | 8,727                | 120                      | Christmas Trees                          |
|              |                  | \$12,915.00         | 4,305                | 40                       | Christmas Trees                          |
|              |                  | \$33,712.50         | 15,090               | 200                      | Christmas Trees                          |
| Wood         | 5                | \$38,682.00         | 12,894               | 167                      | Cranberries                              |
|              |                  | \$12,780.00         | 6,037                | 60                       | Cranberries                              |
|              |                  | \$6,260.50          | 2,385                | 10                       | Cranberries                              |
|              |                  | \$23,937.00         | 7,979                | 70                       | Cranberries                              |
|              |                  | \$7,798.50          | 3,503                | 40                       | Cranberries                              |
| <b>Total</b> | <b>19</b>        | <b>\$340,714.75</b> | <b>123,256</b>       | <b>1,629</b>             |  |

(23.3 miles)



Table 6. Numbers of deer and pounds of venison donated through Wisconsin Deer Donation 2006. Numbers of deer are based on phone surveys to participating processors in January 2007. Pounds of venison are estimated, assuming 45 lbs. of venison per deer donated.

| County      | No. of Deer | Pounds of venison | County       | No. of Deer   | Pounds of venison |
|-------------|-------------|-------------------|--------------|---------------|-------------------|
| Adams       | 143         | 6,435             | Marquette    | 130           | 5,850             |
| Ashland     | 81          | 3,645             | Milwaukee    | 110           | 4,950             |
| Barron      | 303         | 13,635            | Monroe       | 149           | 6,705             |
| Brown       | 337         | 15,165            | Oconto       | 169           | 7,605             |
| Buffalo     | 909         | 40,905            | Oneida       | 117           | 5,265             |
| Burnett     | 129         | 5,805             | Outagamie    | 411           | 18,495            |
| Calumet     | 18          | 810               | Ozaukee      | 89            | 4,005             |
| Chippewa    | 201         | 9,045             | Pierce       | 238           | 10,710            |
| Clark       | 40          | 1,800             | Polk         | 233           | 10,485            |
| Crawford    | 39          | 1,755             | Portage      | 337           | 15,165            |
| Dodge       | 125         | 5,625             | Price        | 42            | 1,890             |
| Door        | 195         | 8,775             | Rusk         | 61            | 2,745             |
| Douglas     | 71          | 3,195             | St Croix     | 402           | 18,090            |
| Dunn        | 268         | 12,060            | Sawyer       | 109           | 4,905             |
| Eau Claire  | 73          | 3,285             | Shawano      | 365           | 16,425            |
| Florence    | 7           | 315               | Sheboygan    | 104           | 4,680             |
| Fond Du Lac | 476         | 21,420            | Taylor       | 121           | 5,445             |
| Forest      | 16          | 720               | Trempealeau  | 813           | 36,585            |
| Grant       | 386         | 17,370            | Vernon       | 272           | 12,240            |
| Jackson     | 359         | 16,155            | Vilas        | 43            | 1,935             |
| Juneau      | 286         | 12,870            | Washington   | 126           | 5,670             |
| Kewaunee    | 60          | 2,700             | Waupaca      | 426           | 19,170            |
| La Crosse   | 249         | 11,205            | Waushara     | 112           | 5,040             |
| Langlade    | 44          | 1,980             | Winnebago    | 132           | 5,940             |
| Lincoln     | 43          | 1,935             | Wood         | 85            | 3,825             |
| Manitowoc   | 77          | 3,465             | <b>Total</b> | <b>10,554</b> | <b>474,930</b>    |
| Marathon    | 197         | 8,865             |              |               |                   |
| Marinette   | 226         | 10,170            |              |               |                   |

\* Counties not list did not participate in the 2006 Deer Donation Program.