**File S1**

**Table S1. Cotton extent and Mexican free-tailed bat population size per county.**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **County** | **State** | **Bat population size** | **Mean cotton hectares\*** | **County** | **State** | **Bat population size** | **Mean cotton hectares\*** |
| Pima | AZ |  1,012  |  4,731  | Denton | TX |  24,117  |  641  |
| Colusa | CA |  115  |  1,632  | Donley | TX |  19,754  |  5,677  |
| Sutter | CA |  19,471  |  223  | Floyd | TX |  69,445  |  63,771  |
| Yolo  | CA |  50,310  |  421  | Fort Bend | TX |  34,092  |  17,666  |
| Barber | KS |  2  |  97  | Guadalupe | TX |  758,067  |  228  |
| Eddy | NM |  9,263  |  2,897  | Hall | TX |  120,955  |  28,777  |
| Beckham | OK |  91,594  |  4,063  | Hardeman | TX |  2,314  |  4,236  |
| Greer | OK |  133,153  |  3,233  | Harris | TX |  167,276  |  243  |
| Harmon | OK |  114,044  |  8,877  | Hays | TX |  356,558  |  2,119  |
| Harper | OK |  1,553  |  37  | Hidalgo | TX |  362,081  |  27,265  |
| Jackson | OK |  47,544  |  22,425  | Kinney | TX |  59,430  |  2,353  |
| Kiowa | OK |  1,153  |  7,652  | Mason | TX |  353,907  |  30  |
| Pawnee | OK |  18,103  |  175  | McCulloch | TX |  186,304  |  1,937  |
| Payne | OK |  373  |  326  | Medina | TX |  415,902  |  2,391  |
| Woods | OK |  36,261  |  2,700  | Montague | TX |  225,287  |  831  |
| Armstrong | TX |  13,955  |  285  | Motley | TX |  64,320  |  10,526  |
| Bastrop | TX |  203,968  |  399  | Starr | TX |  3,727  |  2,879  |
| Bexar | TX |  1,705,727  |  228  | Swisher | TX |  13,003  |  26,706  |
| Brazoria | TX |  22,780  |  2,195  | Travis | TX |  662,059  |  2,147  |
| Briscoe | TX |  184,253  |  13,636  | Uvalde | TX |  1,063,973  |  3,204  |
| Caldwell | TX |  95,654  |  1,832  | Wheeler | TX |  1,490  |  2,866  |
| Cameron | TX |  2,615  |  26,441  | Williamson | TX |  223,004  |  13,165  |
| Childress | TX |  15,260  |  13,631  | Wilson | TX |  245,298  |  426  |
| Clay | TX |  43,359  |  603  | Wise | TX |  148,727  |  318  |
| Collingsworth | TX |  64,899  |  16,208  | Zavala | TX |  28,255  |  4,127  |

**\*From 1990 to 2008**

**Table S2. Upland and Pima cotton price over time.**

|  |  |  |
| --- | --- | --- |
| **Year** | **Upland Cotton $/lb** | **Pima Cotton $/lb** |
| 1990 | 0.75 | 1.12 |
| 1991 | 0.57 | 0.98 |
| 1992 | 0.54 | 0.82 |
| 1993 | 0.66 | 0.88 |
| 1994 | 0.88 | 1.11 |
| 1995 | 0.83 | 1.50 |
| 1996 | 0.71 | 1.08 |
| 1997 | 0.68 | 1.00 |
| 1998 | 0.60 | 0.91 |
| 1999 | 0.52 | 0.81 |
| 2000 | 0.52 | 0.86 |
| 2001 | 0.33 | 0.79 |
| 2002 | 0.47 | 0.80 |
| 2003 | 0.60 | 0.96 |
| 2004 | 0.46 | 1.12 |
| 2005 | 0.49 | 1.13 |
| 2006 | 0.49 | 0.92 |
| 2007 | 0.61 | 0.83 |
| 2008 | 0.48 | 0.94 |