

PARÁMETROS PRODUCTIVOS HISTÓRICOS NACIONALES DE CÁRTAMO

Fuente: SIACON (1980-2003)

Produccion nacional de Cártamo (toneladas)

| ESTADO | 1980 | 1981 | 1982 | 1983 | 1984 | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 |
|---------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------|--------|--------|--------|---------|---------|---------|---------|---------|--------|---------|--------|---------|
| SONORA | 106,807 | 94,648 | 44,402 | 71,958 | 28,127 | 10,197 | 26,739 | 40,303 | 40,919 | 44,785 | 54,000 | 14,815 | 5,773 | 14,014 | 27,860 | 59,666 | 76,622 | 97,200 | 101,025 | 164,059 | 39,817 | 52,459 | 26,184 | 103,299 |
| SINALOA | 239,238 | 151,210 | 130,407 | 90,667 | 86,165 | 67,506 | 23,819 | 53,010 | 155,932 | 44,369 | 36,785 | 12,967 | 2,528 | 1,603 | 12,239 | 13,540 | 48,994 | 23,247 | 18,392 | 48,105 | 19,075 | 12,683 | 4,314 | 32,006 |
| TAMAULIPAS | 84,247 | 35,890 | 23,581 | 69,934 | 51,555 | 35,100 | 71,724 | 86,516 | 17,222 | 18,004 | 33,437 | 35,401 | 20,991 | 23,658 | 4,976 | 13,461 | 12,944 | 5,528 | 34,050 | 15,919 | 10,527 | 30,244 | 10,590 | 30,952 |
| JALISCO | 3,206 | 3,135 | 7,356 | 8,206 | 5,330 | 3,048 | 5,025 | 5,126 | 4,903 | 6,648 | 6,393 | 11,503 | 2,894 | 3,400 | 877 | 4,440 | 11,385 | 6,835 | 6,783 | 9,013 | 9,358 | 4,572 | 2,435 | 20,495 |
| BAJA CALIFORNIA | 9,024 | 4,258 | 4,111 | 4,219 | 4,554 | 2,231 | 5,528 | 8,604 | 6,156 | 10,030 | 9,631 | 3,764 | 2,999 | 8,976 | 7,930 | 5,593 | 12,968 | 4,761 | 1,719 | 11,098 | 6,754 | 2,630 | 3,903 | 6,777 |
| MICHOACAN | 18,864 | 12,917 | 21,201 | 18,682 | 19,305 | 21,643 | 21,960 | 12,940 | 14,258 | 12,492 | 13,394 | 7,640 | 676 | 2,863 | 984 | 10,831 | 16,379 | 12,775 | 4,413 | 7,287 | 5,196 | 4,762 | 3,851 | 3,942 |
| SAN LUIS POTOSI | 6,993 | 5,744 | 865 | 2,064 | 3,594 | 1,869 | 2,217 | 2,770 | 542 | 39 | 2,005 | 645 | 968 | 432 | 895 | 454 | 405 | 190 | 562 | 1,489 | 2,585 | 2,005 | 794 | 1,948 |
| VERACRUZ | 2,024 | 33 | | 158 | 2,230 | 156 | 207 | 20 | | | 136 | 18 | | | | 2 | 11 | | 217 | 512 | 1,050 | 462 | 494 | 846 |
| NUEVO LEON | 117 | | | 25 | | 1 | 8 | 2 | | | 4 | | | | 26 | 520 | | 4,863 | 399 | 687 | 1,560 | 1,485 | 263 | 267 |
| BAJA CALIFORNIA SUR | 3,424 | 3,229 | 472 | 4,720 | 5,951 | 4,649 | 979 | 740 | 1,190 | 1,260 | 328 | 224 | 352 | 57 | 76 | 3,504 | 667 | 1,766 | 3,168 | 3,289 | 135 | | 17 | 47 |
| DURANGO | 969 | 1,415 | 791 | 1,593 | 1,016 | 467 | 699 | 1,403 | 550 | 433 | 377 | 102 | 678 | 117 | 1,133 | 36 | | 5 | | 1 | 6 | 33 | 9 | 9 |
| COAHUILA | 2,761 | 8,384 | 5,297 | 5,992 | 3,889 | 2,221 | 4,043 | 5,905 | 4,757 | 3,165 | 2,639 | 1,021 | 2,781 | 8,740 | 6,927 | 1,220 | 1,215 | 6,206 | 479 | 1,284 | 298 | 72 | | |
| CHIHUAHUA | 596 | 2,000 | 287 | 204 | 60 | 293 | 888 | 1,217 | 192 | 341 | 33 | 50 | | | | | | | | | | | | |
| NAYARIT | 1,319 | 974 | 274 | 443 | 327 | 734 | 232 | 491 | 167 | 469 | 62 | 23 | 315 | | | | | | | | | 53 | | |
| HIDALGO | | | | | 221 | 1,470 | 150 | 34 | 704 | 840 | 40 | 160 | | | | | | | | | | | | |
| ZACATECAS | | 1 | | | | | | | | | | | | | | | | | | | | | | |
| GUANAJUATO | 69 | 208 | 64 | 71 | | | | | | | | | 78 | | | | | | 15 | 12 | 77 | | 1 | |
| GUERRERO | | 115 | | | | | | | | | | | | | | | | | | | | | | |
| CHIAPAS | 14 | | | | | | | | | 33 | | | | | | | | | | | | | | |
| QUERETARO | | | | | | | | | | | | | | | | | | | | | | | | |
| QUINTANA ROO | 20 | | | | | | | | | | | | | | 25 | 1 | | | | | | | | |
| AGUASCALIENTES | | 9 | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL NACIONAL | 479,692 | 324,170 | 239,108 | 278,936 | 212,324 | 151,585 | 164,218 | 219,785 | 247,642 | 142,108 | 159,384 | 88,173 | 41,033 | 63,885 | 63,924 | 113,267 | 181,590 | 163,391 | 171,219 | 262,743 | 96,438 | 111,460 | 52,855 | 200,587 |

MODALIDAD

| | | | | | | | | | | | | | | | | | | | | | | | | |
|----------|---------|---------|---------|---------|---------|--------|--------|---------|---------|---------|---------|--------|--------|--------|--------|--------|---------|---------|---------|---------|--------|--------|--------|---------|
| RIEGO | 359,930 | 228,184 | 169,766 | 190,405 | 109,805 | 59,384 | 76,059 | 115,821 | 169,858 | 101,894 | 109,076 | 38,852 | 14,448 | 33,776 | 46,347 | 91,105 | 157,574 | 133,227 | 119,279 | 226,966 | 74,880 | 67,327 | 36,963 | 142,431 |
| TEMPORAL | 119,762 | 95,986 | 69,342 | 88,531 | 102,519 | 92,201 | 88,159 | 103,964 | 77,784 | 40,214 | 50,308 | 49,321 | 26,585 | 30,109 | 17,577 | 22,162 | 24,016 | 30,164 | 51,940 | 35,777 | 21,558 | 44,133 | 15,892 | 58,156 |

Superficie sembrada de Cártamo (hectáreas)

| ESTADO | 1980 | 1981 | 1982 | 1983 | 1984 | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 |
|---------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------|---------|--------|--------|---------|---------|---------|---------|---------|---------|---------|--------|---------|
| TAMAULIPAS | 147,689 | 109,661 | 54,762 | 129,555 | 80,064 | 132,719 | 154,117 | 187,621 | 48,964 | 46,780 | 103,927 | 53,147 | 61,898 | 47,622 | 40,787 | 40,143 | 34,094 | 22,931 | 53,025 | 53,461 | 39,242 | 63,292 | 44,058 | 58,068 |
| SINALOA | 184,667 | 243,476 | 115,065 | 237,331 | 125,304 | 125,695 | 61,403 | 86,448 | 136,387 | 84,899 | 43,051 | 22,546 | 21,259 | 5,869 | 16,225 | 17,569 | 40,430 | 20,897 | 18,010 | 40,206 | 33,694 | 21,418 | 11,909 | 41,968 |
| SONORA | 61,291 | 71,114 | 26,493 | 45,207 | 16,757 | 8,357 | 14,994 | 19,596 | 19,295 | 23,367 | 31,968 | 7,668 | 3,992 | 7,952 | 14,208 | 32,784 | 37,799 | 44,903 | 42,562 | 65,956 | 22,615 | 37,832 | 13,608 | 38,803 |
| JALISCO | 1,697 | 2,122 | 5,328 | 6,752 | 4,363 | 2,092 | 3,106 | 2,451 | 2,300 | 3,849 | 2,799 | 3,938 | 1,994 | 1,016 | 417 | 1,867 | 6,491 | 4,074 | 4,300 | 3,621 | 4,922 | 1,952 | 1,137 | 7,827 |
| BAJA CALIFORNIA | 4,082 | 2,204 | 1,898 | 1,797 | 2,193 | 1,174 | 1,660 | 3,723 | 2,414 | 4,478 | 4,376 | 1,408 | 1,596 | 4,056 | 4,603 | 2,537 | 5,962 | 2,366 | 648 | 5,040 | 4,098 | 1,462 | 2,289 | 3,346 |
| SAN LUIS POTOSI | 12,497 | 16,588 | 2,108 | 12,260 | 5,036 | 9,219 | 4,167 | 9,269 | 1,358 | 104 | 5,633 | 565 | 1,394 | 444 | 1,439 | 761 | 685 | 966 | 1,492 | 2,286 | 4,226 | 2,371 | 1,770 | 3,079 |
| NUEVO LEON | 147 | 131 | | 60 | | 17 | 20 | 5 | 16 | | 5 | | | | 52 | 621 | 8,326 | 8,155 | 1,596 | 10,762 | 1,950 | 4,273 | 4,289 | 2,160 |
| MICHOACAN | 11,201 | 13,624 | 13,672 | 15,347 | 11,749 | 11,648 | 13,508 | 10,691 | 7,587 | 10,861 | 6,775 | 7,350 | 1,312 | 1,775 | 656 | 4,584 | 6,714 | 6,058 | 2,809 | 3,279 | 2,638 | 2,466 | 2,084 | 2,028 |
| VERACRUZ | 2,611 | 50 | | 226 | 4,169 | 1,749 | 645 | 30 | | | 440 | 30 | | | | 23 | 30 | | 310 | 670 | 1,500 | 660 | 760 | 960 |
| COAHUILA | 2,827 | 4,771 | 3,532 | 5,982 | 3,533 | 1,762 | 3,571 | 4,386 | 3,900 | 2,748 | 2,105 | 1,097 | 2,843 | 10,068 | 7,048 | 666 | 2,849 | 5,738 | 462 | 1,839 | 264 | 282 | 199 | 86 |
| BAJA CALIFORNIA SUR | 2,878 | 6,338 | 419 | 1,950 | 3,042 | 5,848 | 905 | 700 | 1,365 | 1,319 | 818 | 424 | 573 | 163 | 63 | 5,839 | 636 | 1,526 | 3,712 | 2,880 | 120 | | 75 | 68 |
| DURANGO | 691 | 990 | 627 | 1,124 | 875 | 318 | 671 | 1,154 | 417 | 335 | 288 | 87 | 5,081 | 62 | 1,373 | 33 | | 12 | 30 | 5 | 16 | 18 | 9 | 33 |
| GUANAJUATO | 26 | 78 | 77 | 92 | | | | | 1 | | | | 79 | | | | | | 6 | 10 | 64 | | 1 | 3 |
| NAYARIT | 1,440 | 1,270 | 737 | 862 | 1,146 | 1,045 | 418 | 1,649 | 936 | 472 | 109 | 38 | 619 | | | | | | | | | 68 | | |
| CHIHUAHUA | 713 | 1,186 | 175 | 96 | 42 | 148 | 511 | 591 | 79 | 152 | 17 | 50 | | | | | | | | | | | | |
| HIDALGO | | | | | 261 | 1,143 | 282 | 151 | 4 | 19 | | | | | | | | | | | | | | |
| ZACATECAS | | 1 | | | | | | | 660 | 700 | 120 | 320 | | | | | | | | | | | | |
| QUINTANA ROO | 210 | | | | | | | | | | | | | | | | | | | | | | | |
| GUERRERO | | 114 | | | | | | | | | | | | | | | | | | | | | | |
| CHIAPAS | 28 | | | | | | | | | 55 | | | | | | | | | | | | | | |
| QUERETARO | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| AGUASCALIENTES | | 6 | | | | | | | | | | | | | 50 | 1 | | | | | | | | |
| PUEBLA | | 2 | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL NACIONAL | 434,696 | 473,726 | 224,893 | 458,641 | 258,534 | 302,934 | 259,978 | 329,125 | 225,723 | 179,558 | 202,631 | 98,348 | 102,640 | 79,077 | 86,872 | 107,427 | 144,016 | 117,632 | 128,966 | 190,006 | 115,349 | 136,093 | 82,188 | 158,429 |

MODALIDAD

| | | | | | | | | | | | | | | | | | | | | | | | | |
|----------|---------|---------|---------|---------|---------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|--------|--------|--------|
| RIEGO | 254,181 | 247,610 | 123,861 | 214,279 | 87,321 | 59,204 | 52,004 | 82,144 | 78,175 | 79,011 | 72,994 | 28,811 | 15,288 | 24,155 | 31,904 | 54,965 | 83,213 | 66,606 | 56,248 | 105,246 | 52,502 | 48,391 | 20,935 | 71,282 |
| TEMPORAL | 180,515 | 226,116 | 101,032 | 244,362 | 171,213 | 243,730 | 207,974 | | | | | | | | | | | | | | | | | |

Rendimiento nacional de Cártamo (Ton/Ha)

| ESTADO | 1980-1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 |
|---------------------|-----------|------|------|------|------|------|------|------|
| SONORA | SD | 2.17 | 2.38 | 2.49 | 1.76 | 1.39 | 1.92 | 2.66 |
| TAMAULIPAS | SD | 0.77 | 0.68 | 0.39 | 0.44 | 0.65 | 0.44 | 0.57 |
| SINALOA | SD | 1.17 | 1.02 | 1.21 | 1.01 | 0.81 | 0.69 | 0.88 |
| JALISCO | SD | 2.17 | 2.13 | 2.49 | 1.95 | 2.34 | 2.14 | 2.62 |
| BAJA CALIFORNIA | SD | | | 2.23 | 1.74 | 1.96 | 1.85 | 2.19 |
| MICHOACAN | SD | 2.11 | 1.81 | 2.22 | 1.97 | 1.93 | 1.9 | 1.94 |
| SAN LUIS POTOSI | SD | 0.55 | 0.57 | 0.72 | 0.67 | 0.88 | 0.8 | 0.76 |
| VERACRUZ | SD | | | | 0.7 | 0.7 | 0.65 | 0.88 |
| NUEVO LEON | SD | 0.82 | 0.29 | 0.42 | 0.8 | 0.38 | 0.16 | 0.25 |
| BAJA CALIFORNIA SUR | SD | 1.18 | 0.96 | 1.21 | | 0.57 | 0.81 | 1.24 |
| COAHUILA | SD | 1.23 | 1.18 | 1.16 | 1.57 | | | |
| BAJA CALIFORNIA | SD | 2.12 | 2.65 | | | | | |
| TOTAL NACIONAL | SD | 1.7 | 1.39 | 1.58 | 1.14 | 0.99 | 1 | 1.37 |

SD: Sin datos

Precio medio rural de Cártamo (Pesos/Ton)

| ESTADO | 1980-1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 |
|---------------------|-----------|----------|----------|----------|----------|----------|----------|----------|
| SONORA | SD | 2,281.83 | 2,364.84 | 2,078.58 | 1,696.85 | 1,523.13 | 2,141.87 | 2,175.12 |
| TAMAULIPAS | SD | 1,702.72 | 1,769.40 | 1,687.19 | 1,535.66 | 968.01 | 1,366.14 | 3,300.02 |
| SINALOA | SD | 1,830.12 | 2,257.39 | 1,678.55 | 1,576.79 | 1,486.08 | 1,556.83 | 2,029.21 |
| JALISCO | SD | 1,935.77 | 1,527.93 | 1,744.69 | 1,445.32 | 1,082.32 | 1,341.02 | 1,843.31 |
| BAJA CALIFORNIA | SD | 2,000.00 | | 2,300.00 | 1,641.00 | 1,622.40 | 1,800.00 | 1,852.07 |
| MICHOACAN | SD | 1,650.97 | 1,849.21 | 1,746.47 | 1,536.12 | 914.33 | 1,200.14 | 1,999.84 |
| SAN LUIS POTOSI | SD | 1,542.11 | 1,875.00 | 1,644.87 | 1,618.85 | 1,003.94 | 1,425.38 | 1,877.82 |
| VERACRUZ | SD | | | | 1,450.00 | 1,700.00 | 1,000.00 | 1,699.40 |
| NUEVO LEON | SD | 1,700.00 | 1,725.94 | 1,648.32 | 1,507.02 | 1,245.66 | 1,249.81 | 1,889.89 |
| BAJA CALIFORNIA SUR | SD | | 2,311.00 | 1,193.50 | | 1,551.58 | 970.59 | 2,100.00 |
| COAHUILA | SD | 1,646.65 | 1,753.65 | 1,850.00 | 1,847.21 | | | |
| BAJA CALIFORNIA | SD | 1,900.00 | 2,050.00 | | | | | |
| TOTAL NACIONAL | SD | 2,077.74 | 2,179.01 | 1,953.60 | 1,610.32 | 1,314.41 | 1,781.53 | 2,271.85 |

SD: Sin datos