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|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | Textiles | Total of primary commodities | All Grains | Rose perfume | Wool | Silk and Cocoons | Total of main articles |
| 1840 | 3,961,167 | 7,263,040 | 3,750,000 | *300,000* | 3,163,040 | 50,000 | 11,224,206 |
| 1841 | 4,042,007 | 7,554,701 | 4,000,000 | *300,000* | 3,204,701 | 50,000 | 11,596,707 |
| 1842 | 4,124,497 | 28,446,910 | 24,650,000 | *500,000* | 3,246,910 | 50,000 | 32,571,407 |
| 1843 | 4,208,670 | 21,839,676 | 18,000,000 | *500,000* | 3,289,676 | 50,000 | 26,048,346 |
| 1844 | 4,294,561 | 14,068,111 | 9,985,106 | *700,000* | 3,333,005 | 50,000 | 18,362,672 |
| 1845 | 4,382,205 | 26,129,896 | 22,038,068 | *800,000* | 3,241,829 | 50,000 | 30,512,102 |
| 1846 | 4,471,638 | 21,160,979 | 17,505,445 | *800,000* | 2,805,534 | 50,000 | 25,632,617 |
| 1847 | 4,562,896 | 43,294,034 | 39,852,186 | *1,000,000* | 2,391,848 | 50,000 | 47,856,930 |
| 1848 | 4,656,016 | 8,554,980 | 4,701,413 | 1,129,406 | 2,669,199 | 54,962 | 13,210,997 |
| 1849 | 4,751,037 | 21,322,680 | 17,162,201 | 564,703 | 3,095,776 | 500,000 | 26,073,717 |
| 1850 | 4,847,997 | 28,232,831 | 24,569,692 | *500,000* | 2,163,139 | 1,000,000 | 33,080,828 |
| 1851 | 4,946,936 | 36,396,168 | 31,249,621 | 240,700 | 3,896,231 | 1,009,615 | 41,343,103 |
| 1852 | 5,047,894 | 27,016,137 | 22,805,475 | *250,000* | 2,960,662 | 1,000,000 | 32,064,031 |
| 1853 |  |  |  |  |  |  |  |
| 1854 |  |  |  |  |  |  |  |
| 1855 |  |  |  |  |  |  |  |
| 1856 |  |  |  |  |  |  |  |
| 1857 | 5,150,912 | 17,534,466 | 9,131,835 | 563,400 | 4,778,895 | 3,060,336 | 22,685,378 |
| 1858 | 5,256,033 | 14,897,435 | 7,406,462 | 949,006 | 3,659,972 | 2,881,995 | 20,153,468 |
| 1859 | 5,363,299 | 18,003,537 | 9,844,581 | 611,100 | 5,407,761 | 2,140,095 | 23,366,836 |
| 1860 | 5,472,754 | 11,402,588 | 5,256,439 | 354,566 | 3,698,316 | 2,093,266 | 16,875,342 |
| 1861 | 5,584,443 | 19,837,258 | 13,201,988 | *843,380* | 4,024,585 | 1,767,305 | 25,421,701 |
| 1862 | 5,698,411 | 29,542,934 | 21,687,701 | 1,363,980 | 4,393,959 | 2,097,293 | 35,241,345 |
| 1863 | 5,814,705 | 18,002,525 | 10,011,656 | 1,372,827 | 5,449,044 | 1,168,998 | 23,817,230 |
| 1864 | 5,933,372 | 26,440,684 | 17,287,605 | 228,478 | 7,469,337 | 1,455,265 | 32,374,056 |
| 1865 | 6,054,461 | 20,028,826 | 10,759,441 | *1,038,230* | 7,275,245 | 955,909 | 26,083,287 |
| 1866 | 6,178,022 | 30,451,573 | 19,461,935 | 2,220,286 | 8,000,758 | 768,593 | 36,629,595 |
| 1867 | 6,304,104 | 32,486,471 | 24,632,906 | *888,890* | 6,154,660 | 810,015 | 38,790,575 |
| 1868 | 6,432,759 | 22,997,113 | 16,328,873 | *289,350* | 5,437,248 | 941,642 | 29,429,872 |
| 1869 | 6,564,040 | 28,197,148 | 19,525,779 | 166,666 | 7,704,704 | 800,000 | 34,761,188 |
| 1870 | 6,698,000 | 13,382,925 | 5,972,446 | *324,075* | 6,305,000 | 781,405 | 20,080,925 |
| 1871 | 6,698,000 | 15,003,863 | 8,581,100 | *602,034* | 5,320,729 | 500,000 | 21,701,863 |
| 1872 | 6,698,000 | 25,731,545 | 17,704,183 | 761,250 | 6,866,112 | 400,000 | 32,429,545 |
| 1873 | 6,363,100 | 26,088,521 | 15,334,827 | 3,533,100 | 6,920,595 | 300,000 | 32,451,621 |
| 1874 | 6,363,100 | 15,834,397 | 8,061,944 | 1,005,096 | 6,517,357 | 250,000 | 22,197,497 |
| 1875 | 6,028,200 | 30,473,239 | 21,285,591 | 2,514,000 | 6,423,648 | 250,000 | 36,501,439 |
| 1876 | 5,358,400 | 25,091,836 | 16,475,713 | 1,888,500 | 6,471,005 | 256,619 | 30,450,236 |
| 1877 |  |  |  |  |  |  |  |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |  |
|  | Textiles | Total of primary commodities | All Grains | Rose perfume | Wool | Silk and Cocoons | Total of main articles |
| 1878 |  |  |  |  |  |  |  |
| 1879 |  |  |  |  |  |  |  |
| 1880 |  | 27,697,870 | 27,697,870 |  |  |  | 27,697,870 |
| 1881 |  | 21,692,760 | 21,692,760 |  |  |  | 21,692,760 |
| 1882 | 954,577 | 23,283,333 | 22,170,102 |  | 926,040 | 187,191 | 24,237,910 |
| 1883 | 1,050,845 | 32,495,994 | 31,554,687 |  | 729,865 | 211,442 | 33,546,839 |
| 1884 | 1,075,866 | 24,062,423 | 23,231,504 |  | 648,610 | 182,309 | 25,138,289 |
| 1885 | 213,922 | 37,591,546 | 36,362,537 | 594,418 | 563,282 | 71,309 | 37,805,468 |
| 1886 | 2,048,400 | 34,359,358 | 32,573,130 | 762,764 | 134,760 | 888,704 | 36,407,758 |
| 1887 | 2,352,604 | 28,520,565 | 25,092,258 | 2,062,951 | 391,175 | 974,181 | 30,873,169 |
| 1888 | 2,152,500 | 48,371,281 | 45,851,644 | 1,850,221 | 348,863 | 320,553 | 50,523,781 |
| 1889 | 2,398,866 | 64,712,770 | 62,184,692 | 1,542,271 | 341,312 | 644,495 | 67,111,636 |
| 1890 | 2,389,737 | 56,684,578 | 54,161,090 | 1,953,427 | 190,397 | 379,664 | 59,074,315 |
| 1891 | 3,305,724 | 53,781,943 | 52,695,808 | 317,937 | 163,035 | 605,163 | 57,087,667 |
| 1892 | 2,311,239 | 735,019 |  |  | 94,682 | 640,337 | 3,046,258 |
| 1893 | 2,557,228 | 74,554,768 | 73,566,347 | 123,395 | 80,190 | 784,836 | 77,111,996 |
| 1894 | 2,575,225 | 56,055,513 | 54,888,881 | 387,607 | 29,501 | 749,524 | 58,630,738 |
| 1895 | 2,186,369 | 45,391,841 | 42,927,555 | 1,721,338 | 65,899 | 677,049 | 47,578,210 |
| 1896 | 1,717,156 | 95,524,959 | 92,828,708 | 1,843,800 | 86,028 | 766,423 | 97,242,115 |
| 1897 | 2,015,583 | 47,914,896 | 45,278,736 | 1,781,956 | 23,560 | 830,644 | 49,930,479 |
| 1898 | 2,515,570 | 49,390,712 | 45,762,835 | 2,575,797 | 26,659 | 1,025,421 | 51,906,282 |
| 1899 | 2,226,272 | 35,716,522 | 31,285,123 | 2,651,693 | 40,131 | 1,739,575 | 37,942,794 |
| 1900 | 2,341,778 | 30,554,423 | 24,984,974 | 3,707,943 | 114,604 | 1,746,902 | 32,896,201 |
| 1901 | 2,794,300 | 52,800,538 | 47,823,254 | 3,110,558 | 57,788 | 1,808,938 | 55,594,838 |
| 1902 | 2,914,973 | 65,010,855 | 59,861,467 | 2,690,159 | 86,436 | 2,372,793 | 67,925,828 |
| 1903 | 2,884,010 | 74,198,527 | 67,820,450 | 3,734,959 | 65,230 | 2,577,888 | 77,082,537 |
| 1904 | 2,911,508 | 122,662,978 | 116,649,982 | 2,741,038 | 50,618 | 3,221,340 | 125,574,486 |
| 1905 | 2,909,236 | 102,130,121 | 94,444,518 | 3,712,288 | 91,204 | 3,882,111 | 105,039,357 |
| 1906 | 3,791,190 | 72,075,589 | 63,886,465 | 4,521,124 | 838,331 | 2,829,669 | 75,866,779 |
| 1907 | 3,728,922 | 82,541,153 | 74,304,702 | 4,642,102 | 278,383 | 3,315,966 | 86,270,075 |
| 1908 | 2,999,753 | 73,200,930 | 65,563,763 | 4,231,361 | 175,387 | 3,230,419 | 76,200,683 |
| 1909 | 5,005,761 | 68,393,737 | 59,036,904 | 5,327,703 | 162,757 | 3,866,373 | 73,399,498 |
| 1910 | 6,166,875 | 73,087,961 | 63,763,275 | 5,492,972 | 104,699 | 3,727,015 | 79,254,836 |
| 1911 | 3,627,746 | 183,867,988 | 173,277,706 | 7,403,928 | 114,611 | 3,071,743 | 187,495,734 |
| 1912 | 2,259,836 | 179,153,126 | 166,070,689 | 11,620,767 | 39,018 | 1,422,652 | 181,412,962 |

*Source*: see online appendix–explanations.

Table A.1b. *Real value of Bulgarian exports (1911-prices, in Leva), 1840-1912*

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | Textiles | Total of primary commodities | Grains | Rose perfume | Wool | Silk and Cocoons | Total of main articles |
| 1840 | 4,410,627 | 13,690,532 | 5,802,778 | *1,785,858* | 6,028,522 | 73,375 | 18,101,159 |
| 1841 | 4,500,640 | 13,650,878 | 5,802,778 | *1,666,801* | 6,107,925 | 73,375 | 18,151,518 |
| 1842 | 4,592,490 | 53,791,229 | 45,150,532 | *2,381,144* | 6,188,374 | 71,180 | 58,383,719 |
| 1843 | 4,686,214 | 39,574,124 | 31,138,298 | *2,083,501* | 6,269,882 | 82,444 | 44,260,338 |
| 1844 | 4,781,851 | 28,191,809 | 19,432,449 | *2,333,521* | 6,352,464 | 73,375 | 32,973,660 |
| 1845 | 4,879,440 | 54,654,862 | 45,748,527 | *2,424,437* | 6,436,134 | 45,764 | 59,534,302 |
| 1846 | 4,979,020 | 54,241,103 | 45,424,146 | *2,222,401* | 6,520,906 | 73,651 | 59,220,123 |
| 1847 | 5,080,633 | 67,229,870 | 58,168,558 | *2,381,144* | 6,606,794 | 73,375 | 72,310,503 |
| 1848 | 5,184,319 | 16,494,363 | 7,319,700 | 2,400,193 | 6,693,813 | 80,656 | 21,678,682 |
| 1849 | 5,290,122 | 35,310,067 | 26,608,040 | 1,200,096 | 6,781,979 | 719,951 | 40,600,188 |
| 1850 | 5,398,083 | 51,523,040 | 42,336,434 | *1,111,200* | 6,544,101 | 1,531,304 | 56,921,123 |
| 1851 | 5,508,248 | 40,152,692 | 31,334,382 | 571,713 | 6,630,295 | 1,616,302 | 45,660,941 |
| 1852 | 5,620,662 | 62,828,506 | 53,486,880 | *815,065* | 6,717,624 | 1,808,937 | 68,449,168 |
| 1853 |  |  |  |  |  |  |  |
| 1854 |  |  |  |  |  |  |  |
| 1855 |  |  |  |  |  |  |  |
| 1856 |  |  |  |  |  |  |  |
| 1857 | 5,735,369 | 21,801,098 | 9,869,126 | 1,043,417 | 7,171,829 | 3,716,726 | 27,536,467 |
| 1858 | 5,852,417 | 25,675,556 | 13,594,512 | 1,375,110 | 7,266,291 | 3,439,643 | 31,527,973 |
| 1859 | 5,971,854 | 25,441,088 | 14,308,183 | 1,131,758 | 7,361,997 | 2,639,151 | 31,412,943 |
| 1860 | 6,093,729 | 17,504,408 | 7,773,775 | 983,412 | 6,526,593 | 2,220,628 | 23,598,137 |
| 1861 | 6,218,091 | 27,329,116 | 16,422,944 | 2,162,687 | 6,612,556 | 2,130,930 | 33,547,207 |
| 1862 | 6,344,991 | 33,924,753 | 21,583,166 | *3,333,601* | 6,699,652 | 2,308,334 | 40,269,743 |
| 1863 | 6,474,480 | 27,913,974 | 17,546,208 | 2,403,526 | 6,787,894 | 1,176,346 | 34,388,455 |
| 1864 | 6,606,612 | 33,232,309 | 24,577,541 | 400,032 | 6,877,299 | 1,377,437 | 39,838,921 |
| 1865 | 6,741,441 | 31,129,060 | 21,163,648 | 2,163,153 | 6,967,882 | 834,377 | 37,870,501 |
| 1866 | 6,879,022 | 44,235,392 | 31,330,797 | *5,200,418* | 7,059,657 | 644,520 | 51,114,414 |
| 1867 | 7,019,410 | 44,456,070 | 34,538,474 | 2,116,575 | 7,152,641 | 648,380 | 51,475,480 |
| 1868 | 7,162,663 | 35,432,274 | 26,775,469 | *688,984* | 7,246,851 | 720,970 | 42,594,937 |
| 1869 | 7,308,840 | 22,918,121 | 14,588,788 | *400,032* | 7,342,300 | 587,000 | 30,226,961 |
| 1870 | 7,458,000 | 15,909,581 | 8,478,454 | 675,210 | 6,194,262 | 561,655 | 23,367,581 |
| 1871 | 7,458,000 | 20,103,725 | 12,181,687 | *1,114,967* | 6,459,184 | 347,886 | 27,561,725 |
| 1872 | 7,458,000 | 30,919,645 | 22,847,972 | *1,250,100* | 6,543,153 | 278,419 | 38,377,645 |
| 1873 | 7,085,100 | 32,904,440 | 21,067,010 | 5,000,402 | 6,628,214 | 208,814 | 39,989,540 |
| 1874 | 7,085,100 | 33,053,783 | 24,165,230 | 2,000,161 | 6,714,381 | 174,012 | 40,138,883 |
| 1875 | 6,712,200 | 33,005,346 | 22,696,065 | 3,333,601 | 6,801,668 | 174,012 | 39,717,546 |
| 1876 | 5,966,400 | 30,897,614 | 20,495,374 | 3,333,601 | 6,890,090 | 178,548 | 36,864,014 |
| 1877 |  |  |  | 2,083,501 |  |  |  |
| 1878 |  |  |  | 2,500,201 |  |  |  |
| 1879 |  |  |  | 2,000,161 |  |  |  |
| 1880 |  |  | 25,656,680 | 2,833,561 |  |  |  |
| 1881 |  |  | 27,484,434 | 3,333,601 |  |  |  |
| 1882 |  |  | 34,480,127 |  |  |  |  |
| 1883 |  |  | 46,970,884 |  |  |  |  |
| 1884 |  |  | 31,184,757 |  |  |  |  |
|  | Textiles | Total of primary commodities | Grains | Rose perfume | Wool | Silk and Cocoons | Total of main articles |
| 1885 |  |  | 47,207,164 | 1,783,477 |  |  |  |
| 1886 | 2,286,565 | 40,153,160 | 37,150,047 | 2,283,517 | 256,684 | 462,911 | 42,439,725 |
| 1887 | 2,769,092 | 38,314,512 | 29,672,134 | 7,265,584 | 863,103 | 513,692 | 41,083,604 |
| 1888 | 2,403,983 | 61,622,562 | 54,828,709 | 5,812,133 | 731,056 | 250,664 | 64,026,544 |
| 1889 | 2,897,385 | 79,950,623 | 73,971,006 | 4,612,037 | 861,891 | 505,689 | 82,848,008 |
| 1890 | 2,904,426 | 72,561,515 | 66,534,907 | 5,273,757 | 436,507 | 316,344 | 75,465,942 |
| 1891 | 3,797,747 | 64,322,732 | 62,732,221 | 723,391 | 334,340 | 532,780 | 68,120,479 |
| 1892 | 2,891,676 | *835,220* |  |  | 179,222 | 655,998 | 3,726,896 |
| 1893 | 3,081,686 | 102,233,122 | 101,006,500 | 365,029 | 126,382 | 735,211 | 105,314,807 |
| 1894 | 3,057,999 | 73,644,941 | 71,771,598 | 1,153,426 | 48,719 | 671,197 | 76,702,939 |
| 1895 | 2,742,413 | 71,548,708 | 65,474,108 | 5,203,751 | 132,780 | 738,069 | 74,291,121 |
| 1896 | 2,222,465 | 108,589,777 | 101,806,575 | 5,520,443 | 172,387 | 1,090,371 | 110,812,242 |
| 1897 | 2,519,503 | 58,151,902 | 51,775,142 | 5,320,427 | 28,875 | 1,027,458 | 60,671,404 |
| 1898 | 3,125,782 | 59,132,217 | 52,257,671 | 5,800,466 | 33,190 | 1,040,890 | 62,258,000 |
| 1899 | 2,883,816 | 46,671,442 | 39,188,717 | 5,990,481 | 36,828 | 1,455,416 | 49,555,257 |
| 1900 | 3,578,310 | 41,522,312 | 30,854,918 | 8,910,716 | 184,109 | 1,572,570 | 45,100,623 |
| 1901 | 4,001,833 | 69,811,549 | 63,078,918 | 5,045,405 | 93,358 | 1,593,868 | 73,813,382 |
| 1902 | 3,972,464 | 82,007,573 | 73,435,918 | 6,127,159 | 171,116 | 2,273,380 | 85,980,037 |
| 1903 | 3,339,019 | 91,465,386 | 78,520,253 | 10,350,831 | 142,375 | 2,451,927 | 94,804,405 |
| 1904 | 3,687,775 | 138,371,794 | 128,261,481 | 7,323,922 | 85,652 | 2,700,739 | 142,059,569 |
| 1905 | 3,401,315 | 105,944,643 | 93,799,241 | 8,860,712 | 105,226 | 3,179,464 | 109,345,959 |
| 1906 | 3,921,701 | 87,656,837 | 71,602,049 | 11,830,950 | 1,108,643 | 3,115,195 | 91,578,539 |
| 1907 | 3,657,554 | 92,218,166 | 79,227,672 | 8,825,709 | 333,448 | 3,831,337 | 95,875,721 |
| 1908 | 3,057,655 | 65,771,741 | 54,440,237 | 7,685,617 | 223,640 | 3,422,248 | 68,829,396 |
| 1909 | 4,560,596 | 61,131,760 | 46,748,645 | 10,087,477 | 164,857 | 4,130,781 | 65,692,356 |
| 1910 | 5,775,508 | 74,264,262 | 62,474,138 | 7,805,627 | 116,117 | 3,868,380 | 80,039,770 |
| 1911 | 3,627,746 | 117,416,627 | 106,826,345 | 7,403,928 | 114,611 | 3,071,743 | 121,044,373 |
| 1912 | 2,149,422 | 89,931,084 | 80,069,183 | 8,515,684 | 41,685 | 1,304,533 | 92,080,506 |

*Source*: see online appendix–explanations.

Table A.2a. *Bulgarian grain exports in tons, 1840-1912\**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | wheat | rye | oats | barley | maize | millet | rice | other grains | Total export |
| 1840 |  |  |  |  |  |  |  |  | 50,000 |
| 1842 |  |  |  |  |  |  |  |  | 290,000 |
| 1845 |  |  |  |  |  |  |  |  |  |
| 1850 |  |  |  |  |  |  |  |  | 310,000 |
| 1855 |  |  |  |  |  |  |  |  | 115,000 |
| 1860 |  |  |  |  |  |  |  |  | 147,000 |
| 1861 |  |  |  |  |  |  |  |  |  |
| 1862 |  |  |  |  |  |  |  |  |  |
| 1863 |  |  |  |  |  |  |  |  |  |
| 1864 |  |  |  |  |  |  |  |  |  |
| 1865 |  |  |  |  |  |  |  |  | 187,500 |
| 1866 |  |  |  |  |  |  |  |  |  |
| 1867 |  |  |  |  |  |  |  |  |  |
| 1868 |  |  |  |  |  |  |  |  |  |
| 1869 |  |  |  |  |  |  |  |  |  |
| 1870 |  |  |  |  |  |  |  |  | 200,000 |
| 1871 |  |  |  |  |  |  |  |  |  |
| 1872 |  |  |  |  |  |  |  |  |  |
| 1873 |  |  |  |  |  |  |  |  |  |
| 1874 |  |  |  |  |  |  |  |  |  |
| 1875 |  |  |  |  |  |  |  |  |  |
| 1876 |  |  |  |  |  |  |  |  |  |
| 1877 |  |  |  |  |  |  |  |  |  |
| 1878 |  |  |  |  |  |  |  |  |  |
| 1879 |  |  |  |  |  |  |  |  |  |
| *1880* | *80,355* | *34,420* | *1,971* | *32,445* | *7,609* | *1,473* |  |  | 197,842 |
| *1881* | *54,104* | *24,512* | *4,751* | *24,512* | *131,433* | *5,250* |  |  | 305,701 |
| *1882* | *78,234* | *21,972* | *1,967* | *43,072* | *69,592* | *0* | *5* | *3,033* | 266,777 |
| *1883* | *113,869* | *15,377* | *518* | *23,383* | *127,388* | *0* | *0* | *1,399* | 362,223 |
| *1884* | *92,569* | *20,763* | *45* | *17,620* | *65,808* | *0* | *2* | *3,565* | 250,465 |
| *1885* | *154,524* | *20,853* | *1,551* | *16,004* | *104,334* | *0* | *2* | *6,079* | 379,184 |
| 1886 | 199,833 | 18,546 | 972 | 14,763 | 43,201 | 0 | 1 | 9,248 | 286,564 |
| 1887 | 123,505 | 18,537 | 67 | 8,827 | 48,723 | 0 | 39 | 29,108 | 228,806 |
| 1888 | 261,850 | 37,411 | 471 | 24,246 | 72,127 | 0 | 27 | 26,659 | 422,791 |
| 1889 | 375,188 | 52,678 | 9,250 | 28,736 | 77,800 | 0 | 54 | 26,694 | 570,400 |
| 1890 | 303,043 | 27,889 | 11,017 | 27,388 | 134,298 | 0 | 31 | 9,394 | 513,059 |
| 1891 | 313,533 | 81,587 | 2,387 | 36,721 | 43,222 | 112 | 9 | 6,164 | 483,736 |
| 1892 | 345,830 | 54,447 | 6,674 | 24,960 | 77,972 | 1,146 | 11 | 1,115 | 512,155 |
| 1893 | 349,587 | 46,333 | 17,176 | 41,116 | 320,701 | 3,271 | 8 | 682 | 778,874 |
| 1894 | 281,418 | 29,411 | 4,373 | 22,900 | 213,794 | 745 | 21 | 781 | 553,442 |
| 1895 | 385,896 | 44,255 | 335 | 24,805 | 48,520 | 243 | 59 | 766 | 504,879 |
| 1896 | 604,703 | 46,862 | 858 | 23,092 | 107,916 | 298 | 51 | 1,264 | 785,043 |
| 1897 | 281,663 | 16,768 | 3,559 | 17,554 | 78,010 | 841 | 91 | 759 | 399,245 |
| 1898 | 186,454 | 23,822 | 4,434 | 48,817 | 132,692 | 1,393 | 254 | 2,099 | 399,966 |
| 1899 | 120,637 | 6,502 | 5,580 | 10,167 | 157,175 | 1,859 | 268 | 1 | 302,189 |
| 1900 | 127,479 | 24,410 | 1,305 | 39,909 | 40,526 | 3,634 | 122 | 542 | 237,926 |
|  |  |  |  |  |  |  |  |  |  |
|  | wheat | rye | oats | barley | maize | millet | rice | other grains | Total export |
| 1901 | 133,401 | 28,209 | 27,520 | 52,764 | 251,039 | 12,258 | 229 | 990 | 506,410 |
| 1902 | 234,721 | 35,133 | 23,445 | 63,168 | 200,242 | 7,848 | 951 | 796 | 566,304 |
| 1903 | 332,977 | 30,703 | 41,199 | 60,076 | 129,267 | 10,195 | 1,058 | 5 | 605,480 |
| 1904 | 523,653 | 62,480 | 48,629 | 103,395 | 247,979 | 2,502 | 137 | 265 | 989,041 |
| 1905 | 450,216 | 74,024 | 28,745 | 69,893 | 98,301 | 1,558 | 278 | 282 | 723,298 |
| 1906 | 268,255 | 41,079 | 30,370 | 59,143 | 143,733 | 6,268 | 755 | 2,529 | 552,133 |
| 1907 | 240,735 | 46,354 | 28,783 | 28,919 | 259,733 | 4,242 | 182 | 1,986 | 610,935 |
| 1908 | 212,780 | 39,798 | 7,759 | 37,681 | 111,546 | 8,628 | 155 | 1,448 | 419,796 |
| 1909 | 160,917 | 27,483 | 14,468 | 29,241 | 126,924 | 885 | 310 | 258 | 360,485 |
| 1910 | 236,453 | 55,613 | 3,184 | 60,047 | 122,476 | 3,102 | 364 | 807 | 482,046 |
| 1911 | 302,694 | 74,932 | 7,090 | 75,365 | 355,116 | 4,781 | 174 | 3,599 | 823,751 |
| 1912 | 251,427 | 51,546 | 2,507 | 17,835 | 288,608 | 2,519 | 63 | 2,923 | 617,427 |

*Source*: see online appendix–explanations.

*Notes*: \*for 1880-1885 data for the single grains is only available for the principality of Bulgaria (italics) but not for the autonomous Ottoman province eastern Rumelia which existed 1880-1885. Only for total grain exports we have an estimation for all of Bulgaria (principality & autonomous province).

Table A.2b. *Bulgarian net grain production in tons, 1870-1912\**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | wheat | rye | muslin (mixed cereals) | barley | oats | spelt |
| 1870 | 661,337 | 42,914 | 0 | 100,208 | 21,710 | 0 |
| 1871 |  |  |  |  |  |  |
| 1872 |  |  |  |  |  |  |
| 1873 |  |  |  |  |  |  |
| 1874 |  |  |  |  |  |  |
| 1875 |  |  |  |  |  |  |
| 1876 |  |  |  |  |  |  |
| 1877 |  |  |  |  |  |  |
| 1878 |  |  |  |  |  |  |
| 1879 |  |  |  |  |  |  |
| 1880 | 600,878 | 207,242 | 0 | 188,890 | 67,351 | 0 |
| 1881 |  |  |  |  |  |  |
| 1882 |  |  |  |  |  |  |
| 1883 |  |  |  |  |  |  |
| 1884 |  |  |  |  |  |  |
| 1885 |  |  |  |  |  |  |
| 1886 |  |  |  |  |  |  |
| 1887 | 665,626 | 131,026 | 64,929 | 181,550 | 88,742 | 8,873 |
| 1888 | 922,466 | 181,584 | 89,982 | 251,603 | 122,984 | 12,297 |
| 1889 | 885,479 | 190,273 | 52,653 | 127,074 | 71,009 | 9,217 |
| 1890 | 769,703 | 153,855 | 61,524 | 115,923 | 46,170 | 5,424 |
| 1891 | 1,048,815 | 197,904 | 90,029 | 263,819 | 111,642 | 12,590 |
| 1892 | 1,048,815 | 197,904 | 90,029 | 263,819 | 111,642 | 12,590 |
| 1893 | 906,915 | 178,579 | 89,542 | 135,407 | 66,262 | 6,639 |
| 1894 | 902,193 | 177,649 | 89,076 | 134,702 | 65,917 | 6,605 |
| 1895 | 823,029 | 162,061 | 81,259 | 122,883 | 60,133 | 6,025 |
| 1896 | 914,099 | 179,993 | 90,251 | 136,480 | 66,787 | 6,692 |
| 1897 | 733,817 | 150,292 | 57,594 | 130,791 | 57,925 | 6,680 |
| 1898 | 750,647 | 108,215 | 57,036 | 122,484 | 72,489 | 5,444 |
| 1899 | 415,270 | 88,660 | 60,457 | 45,659 | 33,883 | 3,245 |
| 1900 | 659,250 | 159,618 | 88,098 | 121,226 | 47,287 | 4,615 |
| 1901 | 825,523 | 162,552 | 81,506 | 123,255 | 60,315 | 6,043 |
| 1902 | 923,160 | 181,777 | 91,146 | 137,833 | 67,449 | 6,758 |
| 1903 | 785,603 | 161,200 | 106,852 | 130,025 | 77,146 | 6,084 |
| 1904 | 958,003 | 162,534 | 107,738 | 133,010 | 74,098 | 6,167 |
| 1905 | 747,211 | 146,560 | 83,785 | 115,242 | 60,717 | 3,905 |
| 1906 | 862,902 | 156,665 | 83,568 | 122,805 | 79,710 | 4,411 |
| 1907 | 438,342 | 64,037 | 24,327 | 59,654 | 44,003 | 1,412 |
| 1908 | 785,052 | 109,027 | 61,543 | 112,502 | 71,495 | 3,463 |
| 1909 | 650,586 | 136,718 | 66,166 | 89,450 | 58,854 | 2,595 |
| 1910 | 916,149 | 186,253 | 77,695 | 144,380 | 70,177 | 4,083 |
| 1911 | 1,077,113 | 187,279 | 108,533 | 125,371 | 68,491 | 4,259 |
| 1912 | 965,017 | 172,392 | 79,230 | 125,740 | 54,902 | 2,727 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | millet | maize | rice | buck-wheat | Total net grain output |
| 1870 | 3,205 | 54,702 | 8,057 | 0 | 892,133 |
| 1871 |  |  |  |  |  |
| 1872 |  |  |  |  |  |
| 1873 |  |  |  |  |  |
| 1874 |  |  |  |  |  |
| 1875 |  |  |  |  |  |
| 1876 |  |  |  |  |  |
| 1877 |  |  |  |  |  |
| 1878 |  |  |  |  |  |
| 1879 |  |  |  |  |  |
| 1880 | 5,904 | 150,630 | 1,979 | 0 | 1,222,875 |
| 1881 |  |  |  |  |  |
| 1882 |  |  |  |  |  |
| 1883 |  |  |  |  |  |
| 1884 |  |  |  |  |  |
| 1885 |  |  |  |  |  |
| 1886 |  |  |  |  |  |
| 1887 | 12,439 | 369,840 | 2,330 | 16 | 1,525,371 |
| 1888 | 17,239 | 512,548 | 3,229 | 23 | 2,113,956 |
| 1889 | 6,835 | 202,502 | 3,207 | 11 | 1,548,259 |
| 1890 | 1,367 | 89,608 | 2,426 | 1 | 1,246,000 |
| 1891 | 8,265 | 286,741 | 3,333 | 14 | 2,023,149 |
| 1892 | 8,265 | 286,741 | 4,032 | 14 | 2,023,849 |
| 1893 | 7,218 | 226,299 | 3,127 | 23 | 1,620,010 |
| 1894 | 7,180 | 225,121 | 3,111 | 22 | 1,611,575 |
| 1895 | 6,550 | 205,367 | 2,838 | 20 | 1,470,165 |
| 1896 | 7,275 | 228,091 | 3,152 | 23 | 1,632,842 |
| 1897 | 10,081 | 292,105 | 2,242 | 1 | 1,441,528 |
| 1898 | 21,459 | 613,339 | 3,450 | 34 | 1,754,597 |
| 1899 | 7,925 | 329,128 | 444 | 24 | 984,696 |
| 1900 | 9,662 | 207,554 | 1,681 | 44 | 1,299,036 |
| 1901 | 6,570 | 205,989 | 2,846 | 21 | 1,474,621 |
| 1902 | 7,347 | 230,352 | 3,183 | 23 | 1,649,028 |
| 1903 | 12,246 | 365,984 | 3,681 | 43 | 1,648,864 |
| 1904 | 1,533 | 203,273 | 4,651 | 4 | 1,651,010 |
| 1905 | 4,589 | 291,398 | 4,475 | 5 | 1,457,886 |
| 1906 | 9,467 | 449,994 | 3,359 | 6 | 1,772,888 |
| 1907 | 10,942 | 223,852 | 3,132 | 12 | 869,713 |
| 1908 | 7,530 | 332,999 | 2,559 | 4 | 1,486,174 |
| 1909 | 3,293 | 327,812 | 4,511 | 15 | 1,340,000 |
| 1910 | 5,709 | 457,672 | 4,129 | 33 | 1,866,280 |
| 1911 | 6,604 | 494,012 | 2,662 | 3 | 2,074,326 |
| 1912 | 4,457 | 458,483 | 3,242 | 1 | 1,866,189 |

*Source*: Ivanov, *Gross Domestic Product,* pp. 212-215.

*Notes*: \*net grain ouput equals gross grain output less seeds.

Table A.3a. *Bulgarian GDP for economic sectors and in total, 1870-1924 in   
 constant prices (1911-prices, in Leva)*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Total primary sector | Total secondary sector | Total tertiary sector | Total GDP |
| 1870 | 533,774,911 | 118,228,680 | 142,395,628 | 794,399,219 |
| 1880 | 588,184,156 | 125,380,989 | 172,537,557 | 886,102,703 |
| 1887 | 728,151,605 | 124,434,910 | 209,395,943 | 1,061,982,457 |
| 1888 | 821,611,167 | 124,617,599 | 208,687,286 | 1,154,916,052 |
| 1889 | 730,125,734 | 123,049,880 | 244,527,421 | 1,097,703,035 |
| 1890 | 685,838,136 | 121,662,753 | 257,978,406 | 1,065,479,294 |
| 1891 | 814,085,256 | 120,619,170 | 265,029,388 | 1,199,733,814 |
| 1892 | 811,793,186 | 120,704,868 | 273,101,354 | 1,205,599,409 |
| 1893 | 745,858,161 | 119,861,044 | 291,205,842 | 1,156,925,046 |
| 1894 | 748,556,759 | 119,902,931 | 298,158,132 | 1,166,617,822 |
| 1895 | 737,067,724 | 121,124,643 | 303,599,304 | 1,161,791,671 |
| 1896 | 798,462,741 | 121,603,987 | 327,313,819 | 1,247,380,547 |
| 1897 | 732,568,687 | 121,922,681 | 316,452,309 | 1,170,943,677 |
| 1898 | 852,083,805 | 123,155,193 | 326,756,334 | 1,301,995,332 |
| 1899 | 758,707,559 | 126,574,034 | 347,130,637 | 1,232,412,230 |
| 1900 | 758,785,146 | 125,908,797 | 339,621,571 | 1,224,315,514 |
| 1901 | 796,529,445 | 122,231,651 | 371,262,081 | 1,290,023,176 |
| 1902 | 856,414,439 | 116,855,759 | 379,294,780 | 1,352,564,978 |
| 1903 | 900,448,968 | 110,119,183 | 386,056,845 | 1,396,624,997 |
| 1904 | 910,181,250 | 107,106,691 | 422,034,775 | 1,439,322,716 |
| 1905 | 882,244,143 | 101,638,055 | 414,507,310 | 1,398,389,507 |
| 1906 | 948,258,590 | 105,536,869 | 423,413,581 | 1,477,209,039 |
| 1907 | 770,037,111 | 119,015,574 | 444,231,586 | 1,333,284,271 |
| 1908 | 929,161,443 | 127,994,782 | 447,795,474 | 1,504,951,698 |
| 1909 | 901,403,702 | 138,847,556 | 462,564,943 | 1,502,816,202 |
| 1910 | 929,755,368 | 148,310,913 | 468,405,243 | 1,546,471,524 |
| 1911 | 1,002,657,219 | 161,675,681 | 506,657,075 | 1,670,989,975 |
| 1912 | 942,174,704 | 153,225,506 | 474,989,718 | 1,570,389,928 |
| 1913 | 892,044,338 | 142,682,215 | 433,881,129 | 1,468,607,682 |
| 1914 | 816,304,450 | 171,799,768 | 530,475,112 | 1,518,579,330 |
| 1915 | 863,484,746 | 156,685,978 | 472,884,022 | 1,493,054,746 |
| 1916 | 754,148,963 | 137,564,404 | 440,296,913 | 1,332,010,281 |
| 1917 | 718,260,608 | 143,165,071 | 417,555,960 | 1,278,981,639 |
| 1918 | 663,097,718 | 147,939,957 | 399,313,228 | 1,210,350,903 |
| 1919 | 769,160,646 | 149,125,144 | 447,918,995 | 1,366,204,786 |
| 1920 | 811,736,533 | 158,681,038 | 387,740,160 | 1,358,157,731 |
| 1921 | 855,717,386 | 184,283,773 | 463,474,707 | 1,503,475,866 |
| 1922 | 917,765,339 | 196,087,839 | 450,441,088 | 1,564,294,266 |
| 1923 | 934,662,094 | 223,639,944 | 493,952,443 | 1,652,254,482 |
| 1924 | 843,736,695 | 183,336,428 | 639,721,687 | 1,666,794,810 |

Source: Ivanov, *Gross Domestic Product*, pp. 512-517.

Table A.3b. *Bulgarian GDP per employee for economic sectors and in total, 1870-1924 in   
 constant prices (1911-prices, in Leva)*

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Employees (persons) | | | | GDP per employee | | | |
|  | Primary sector | Secondary sector | Tertiary sector | Total | Primary sector | Secondary sector | Tertiary sector | Total economy |
| 1870 | 1.059.300 | 330.000 | 174.900 | 1.564.200 | 504 | 358 | 814 | 508 |
| 1880 | 959.900 | 261.000 | 153.700 | 1.374.600 | 613 | 480 | 1.123 | 645 |
| 1887 | 1.074.860 | 239.480 | 158.760 | 1.473.100 | 677 | 520 | 1.319 | 721 |
| 1888 | 1.086.100 | 240.000 | 163.900 | 1.490.000 | 756 | 519 | 1.273 | 775 |
| 1889 | 1.097.340 | 240.520 | 169.040 | 1.506.900 | 665 | 512 | 1.447 | 728 |
| 1890 | 1.108.580 | 241.040 | 174.180 | 1.523.800 | 619 | 505 | 1.481 | 699 |
| 1891 | 1.119.820 | 241.560 | 179.320 | 1.540.700 | 727 | 499 | 1.478 | 779 |
| 1892 | 1.131.060 | 242.080 | 184.460 | 1.557.600 | 718 | 499 | 1.481 | 774 |
| 1893 | 1.142.300 | 242.600 | 189.600 | 1.574.500 | 653 | 494 | 1.536 | 735 |
| 1894 | 1.173.186 | 242.757 | 198.371 | 1.614.314 | 638 | 494 | 1.503 | 723 |
| 1895 | 1.204.072 | 242.914 | 207.142 | 1.654.128 | 612 | 499 | 1.466 | 702 |
| 1896 | 1.234.958 | 243.071 | 215.913 | 1.693.942 | 647 | 500 | 1.516 | 736 |
| 1897 | 1.265.844 | 243.228 | 224.684 | 1.733.756 | 579 | 501 | 1.408 | 675 |
| 1898 | 1.296.730 | 243.385 | 233.455 | 1.773.570 | 657 | 506 | 1.400 | 734 |
| 1899 | 1.327.616 | 243.542 | 242.226 | 1.813.384 | 571 | 520 | 1.433 | 680 |
| 1900 | 1.358.502 | 243.699 | 251.000 | 1.853.201 | 559 | 517 | 1.353 | 661 |
| 1901 | 1.380.162 | 249.299 | 255.800 | 1.885.261 | 577 | 490 | 1.451 | 684 |
| 1902 | 1.401.822 | 254.899 | 260.600 | 1.917.321 | 611 | 458 | 1.455 | 705 |
| 1903 | 1.423.482 | 260.499 | 265.400 | 1.949.381 | 633 | 423 | 1.455 | 716 |
| 1904 | 1.445.142 | 266.099 | 270.200 | 1.981.441 | 630 | 403 | 1.562 | 726 |
| 1905 | 1.466.802 | 271.699 | 275.000 | 2.013.501 | 601 | 374 | 1.507 | 695 |
| 1906 | 1.489.922 | 277.419 | 277.820 | 2.045.161 | 636 | 380 | 1.524 | 722 |
| 1907 | 1.513.042 | 283.139 | 280.640 | 2.076.821 | 509 | 420 | 1.583 | 642 |
| 1908 | 1.536.162 | 288.859 | 283.460 | 2.108.481 | 605 | 443 | 1.580 | 714 |
| 1909 | 1.559.282 | 294.579 | 286.280 | 2.140.141 | 578 | 471 | 1.616 | 702 |
| 1910 | 1.582.400 | 300.299 | 289.100 | 2.171.799 | 588 | 494 | 1.620 | 712 |
| 1911 | 1.612.850 | 302.579 | 291.380 | 2.206.809 | 622 | 534 | 1.739 | 757 |
| 1912 | 1.643.300 | 304.859 | 293.660 | 2.241.819 | 573 | 503 | 1.617 | 700 |
| 1913 | 1.673.750 | 307.139 | 295.940 | 2.276.829 | 533 | 465 | 1.466 | 645 |
| 1914 | 1.704.200 | 309.419 | 298.220 | 2.311.839 | 479 | 555 | 1.779 | 657 |
| 1915 | 1.734.650 | 311.699 | 300.500 | 2.346.849 | 498 | 503 | 1.574 | 636 |
| 1916 | 1.765.100 | 313.979 | 302.780 | 2.381.859 | 427 | 438 | 1.454 | 559 |
| 1917 | 1.795.550 | 316.259 | 305.060 | 2.416.869 | 400 | 453 | 1.369 | 529 |
| 1918 | 1.826.000 | 318.539 | 307.340 | 2.451.879 | 363 | 464 | 1.299 | 494 |
| 1919 | 1.856.450 | 320.819 | 309620 | 2.486.889 | 414 | 465 | 1.447 | 549 |
| 1920 | 1.886.900 | 323099 | 311900 | 2.521.899 | 430 | 491 | 1.243 | 539 |
| 1921 | 1.944.000 | 338.949 | 323.433 | 2.606.382 | 440 | 544 | 1.433 | 577 |
| 1922 | 2.001.100 | 354.799 | 334.966 | 2.690.865 | 459 | 553 | 1.345 | 581 |
| 1923 | 2.058.200 | 370.649 | 346.499 | 2.775.348 | 454 | 603 | 1.426 | 595 |
| 1924 | 2.115.300 | 386.499 | 358.032 | 2.859.831 | 399 | 474 | 1.787 | 583 |

Source: see online appendix–explanations.

Table A.3c. Tertiary production I: *Transport, communication and trade 1870-1924 in   
 constant prices (1911-prices, in Leva)*

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | Railroad transport | Postal services | Water transport | Traditional Carriers | transport companies | motor companies | *Total Transport and Communications* |
| 1870 |  |  |  |  |  |  | 2.441.776 |
| 1880 |  |  |  |  |  |  | 4.731.319 |
| 1887 | 433.496 | 93.378 |  | 5.858.441 | 13.005 |  | 6.398.320 |
| 1888 | 763.436 | 88.563 |  | 6.055.288 | 13.005 |  | 6.920.292 |
| 1889 | 930.491 | 141.265 |  | 6.259.522 | 15.184 |  | 7.346.462 |
| 1890 | 2.014.599 | 677.884 |  | 6.456.369 | 14.275 |  | 9.163.127 |
| 1891 | 1.684.800 | 1.076.889 |  | 6.647.548 | 13.353 |  | 9.422.589 |
| 1892 | 3.835.188 | 1.060.682 |  | 6.844.395 | 15.890 |  | 11.756.156 |
| 1893 | 3.473.374 | 1.262.585 | 11.045 | 7.048.629 | 15.061 |  | 11.810.694 |
| 1894 | 3.808.232 | 1.295.632 | 153.633 | 7.793.786 | 21.166 |  | 13.072.449 |
| 1895 | 6.388.598 | 2.138.738 | 48.930 | 8.551.998 | 22.197 |  | 17.150.461 |
| 1896 | 5.699.812 | 2.310.731 | 94.178 | 9.291.487 | 21.733 |  | 17.417.942 |
| 1897 | *6.188.921* | 3.047.634 | 201.141 | 10.049.699 | 23.209 |  | 19.510.604 |
| 1898 | *6.720.001* | 2.599.239 | 299.322 | 10.789.188 | 20.214 |  | 20.427.964 |
| 1899 | *7.296.653* | 2.801.671 | 345.953 | 11.547.400 | 22.923 |  | 22.014.600 |
| 1900 | *7.922.789* | 1.782.587 | 26.672 | 12.292.557 | 20.292 |  | 22.044.897 |
| 1901 | 8.602.655 | 2.522.639 |  | 12.798.078 | 305.166 |  | 24.228.538 |
| 1902 | 7.787.229 | 2.326.084 | 134.518 | 13.303.599 | 289.857 |  | 23.841.287 |
| 1903 | 5.884.253 | 1.996.751 | 125.391 | 13.809.120 | 281.844 |  | 22.097.358 |
| 1904 | 8.356.179 | 4.564.954 | 39.343 | 14.314.641 | 308.315 |  | 27.583.432 |
| 1905 | 9.036.963 | 5.650.506 | 166.151 | 14.838.885 | 350.722 |  | 30.043.226 |
| 1906 | 9.758.480 | 3.796.011 | 226.340 | 15.338.738 | 393.024 |  | 29.512.593 |
| 1907 | 10.840.163 | 3.722.092 | 145.920 | 15.844.259 | 434.895 |  | 30.987.329 |
| 1908 | 12.258.760 | 4.952.709 | 411.945 | 16.349.780 | 470.812 |  | 34.444.006 |
| 1909 | 10.468.290 | 3.450.946 | 364.858 | 16.855.301 | 458.797 | 4.604 | 31.602.795 |
| 1910 | 14.409.541 | 2.968.790 | 426.815 | 17.360.822 | 524.166 | 4.253 | 35.694.388 |
| 1911 | 19.966.116 | 3.816.424 | 278.032 | 17.263.258 | 659.272 | 4.443 | 41.987.545 |
| 1912 | 16.039.306 | 4.456.227 | 384.661 | 17.173.081 | 913.455 | 4.086 | 38.970.815 |
| 1913 | 7.085.318 | 7.828.244 |  | 17.088.572 | 1.089.363 | 3.241 | 33.094.737 |
| 1914 | 19.282.916 | 3.133.285 | 171.202 | 16.998.395 | 1.629.664 |  | 41.215.462 |
| 1915 | 12.984.833 | 3.230.814 | 64.391 | 16.895.163 | 980.614 |  | 34.155.815 |
| 1916 | 1.613.598 | 1.095.289 | 57.595 | 16.810.654 | 612.548 |  | 20.189.683 |
| 1917 | 10.926.565 | 1.883.833 | 175.727 | 16.720.477 | 620.290 |  | 30.326.892 |
| 1918 | 31.023.316 | 3.518.597 | 245.328 | 16.630.300 | 708.968 | 84.816 | 52.211.325 |
| 1919 | 23.301.320 | 1.091.544 | 234.572 | 16.532.736 | 385.442 | 102.058 | 41.647.672 |
| 1920 | 36.159.222 | 4.329.180 | 296.285 | 16.442.559 | 375.300 | 73.581 | 57.676.128 |
| 1921 | 30.707.871 | 5.615.034 | 1.096.116 | 16.723.079 | 1.078.815 | 21.644 | 55.242.559 |
| 1922 | 27.426.429 | 5.584.799 | 702.554 | 17.016.654 | 892.292 | 73.675 | 51.696.402 |
| 1923 | 23.746.892 | 4.670.749 | 717.487 | 17.291.506 | 1.195.873 | 62.906 | 47.685.412 |
| 1924 | 38.404.963 | 10.865.821 | 663.738 | 17.585.081 | 1.786.420 | 45.683 | 69.351.706 |

Source: Ivanov, *Gross Domestic Product,* pp. 378-457, 512-517.

Table A.3d. *Tertiary production II: Trade, banking, public service and in total (1911-prices, in Leva)\**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Trade | Total Financial Services | Total Public Services and Pensions | Other tertiary production | Total tertiary production |
| 1870 | 41.395.847 | 2.441.776 | 43.839.493 | 91.146.603 | 43.841.380 |
| 1880 | 39.037.741 | 3.942.766 | 42.982.387 | 104.724.919 | 42.984.287 |
| 1887 | 50.099.160 | 50.101.047 | 100.202.095 | 122.414.868 | 100.204.006 |
| 1888 | 58.603.644 | 58.605.532 | 117.211.065 | 126.066.319 | 117.212.989 |
| 1889 | 65.654.574 | 65.656.463 | 131.312.926 | 129.576.939 | 131.312.926 |
| 1890 | 69.222.490 | 69.224.380 | 138.448.760 | 133.256.086 | 138.448.760 |
| 1891 | 71.037.765 | 71.039.656 | 142.079.312 | 136.936.093 | 142.079.312 |
| 1892 | 67.091.339 | 67.093.231 | 134.186.461 | 140.627.072 | 134.186.461 |
| 1893 | 74.160.138 | 74.162.031 | 148.324.061 | 144.114.424 | 148.324.061 |
| 1894 | 69.586.441 | 69.588.335 | 139.176.670 | 148.713.661 | 139.176.670 |
| 1895 | 65.168.250 | 65.170.145 | 130.340.290 | 153.321.951 | 130.340.290 |
| 1896 | 76.044.721 | 76.046.617 | 152.093.234 | 157.933.019 | 152.093.234 |
| 1897 | 65.895.724 | 65.897.621 | 131.795.242 | 162.352.293 | 131.795.242 |
| 1898 | 66.702.061 | 66.703.959 | 133.407.918 | 166.963.362 | 133.407.918 |
| 1899 | 77.280.665 | 77.282.564 | 154.565.129 | 171.576.940 | 154.565.129 |
| 1900 | 60.503.509 | 60.505.409 | 121.010.818 | 176.176.177 | 121.010.818 |
| 1901 | 77.908.898 | 77.910.799 | 155.821.599 | 174.313.085 | 155.821.599 |
| 1902 | 84.223.763 | 84.225.665 | 168.451.331 | 172.464.603 | 168.451.331 |
| 1903 | 90.136.694 | 90.138.597 | 180.277.194 | 170.629.208 | 180.277.194 |
| 1904 | 112.219.981 | 112.221.885 | 224.443.770 | 168.975.031 | 224.443.770 |
| 1905 | 93.480.554 | 93.482.459 | 186.964.918 | 167.110.684 | 186.964.918 |
| 1906 | 88.235.342 | 88.237.248 | 176.474.496 | 166.980.737 | 176.474.496 |
| 1907 | 97.408.739 | 97.410.646 | 194.821.292 | 166.871.943 | 194.821.292 |
| 1908 | 102.687.484 | 102.689.392 | 205.378.785 | 166.923.215 | 205.378.785 |
| 1909 | 105.812.875 | 105.814.784 | 211.629.567 | 166.826.253 | 211.629.567 |
| 1910 | 102.176.470 | 102.178.380 | 204.356.760 | 166.706.883 | 204.356.760 |
| 1911 | 121.609.655 | 121.611.566 | 243.223.133 | 167.999.525 | 243.223.133 |
| 1912 | 107.588.796 | 107.590.708 | 215.181.415 | 169.132.962 | 215.181.415 |
| 1913 | 83.202.896 | 83.204.809 | 166.409.618 | 170.424.349 | 166.409.618 |
| 1914 | 105.201.431 | 105.203.345 | 210.406.690 | 171.534.518 | 210.406.690 |
| 1915 | 65.767.808 | 65.769.723 | 131.539.445 | 172.622.279 | 131.539.445 |
| 1916 | 44.110.933 | 44.112.849 | 88.225.698 | 173.948.766 | 88.225.698 |
| 1917 | 49.345.985 | 49.347.902 | 98.695.804 | 175.058.935 | 98.695.804 |
| 1918 | 54.396.298 | 54.398.216 | 108.796.432 | 176.386.677 | 108.796.432 |
| 1919 | 48.732.242 | 48.734.161 | 97.468.321 | 177.474.437 | 97.468.321 |
| 1920 | 47.078.654 | 47.080.574 | 94.161.149 | 178.765.824 | 94.161.149 |
| 1921 | 70.388.257 | 70.390.178 | 140.780.357 | 185.213.458 | 140.780.357 |
| 1922 | 88.043.382 | 88.045.304 | 176.090.607 | 191.604.839 | 176.090.607 |
| 1923 | 98.635.249 | 98.637.172 | 197.274.343 | 198.006.796 | 197.274.343 |
| 1924 | 121.915.350 | 121.917.274 | 243.834.549 | 204.238.972 | 243.834.549 |

Source: Ivanov, *Gross Domestic Product*, pp. 378-457, 512-517.

Table A.4 *Bulgarian wool, wheat, barley and maize prices, 1840-1912*

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Leva /kg | | | | 1840=100 | | | |
|  | wool  (greasy)\* | wheat | barley | maize | wool (greasy)\* | wheat | barley | maize |
| 1840 | 1.11 | 0.08 | 0.07 | 0.02 | 100 | 100 | 100 | 100 |
| 1842 |  | 0.14 | 0.03 |  |  | 175 | 43 |  |
| 1845 | 0.96 | 0.10 | 0.05 | 0.05 | 86 | 125 | 71 | 250 |
| 1850 | 0.63 | 0.11 | 0.08 | 0.06 | 57 | 138 | 114 | 275 |
| 1855 | 1.82 | 0.11 | 0.05 | 0.07 | 164 | 138 | 71 | 350 |
| 1860 | 1.08 | 0.14 | 0.05 | 0.08 | 97 | 175 | 71 | 400 |
| 1861 | 1.16 |  |  |  | 105 |  |  |  |
| 1862 |  | 0.15 |  |  |  | 188 |  |  |
| 1863 | 1.53 | 0.10 |  | 0.07 | 138 | 125 |  | 350 |
| 1864 | 2.07 | 0.12 |  | 0.09 | 186 | 150 |  | 450 |
| 1865 | 1.99 | 0.10 | 0.05 | 0.07 | 179 | 125 | 71 | 350 |
| 1866 | 2.16 | 0.12 | 0.08 | 0.07 | 195 | 150 | 114 | 350 |
| 1867 | 1.64 | 0.09 | 0.11 | 0.11 | 148 | 113 | 157 | 550 |
| 1868 | 1.43 | 0.10 | 0.08 | 0.08 | 129 | 125 | 114 | 400 |
| 1869 | 2.00 | 0.19 |  |  | 180 | 238 |  |  |
| 1870 | 1.94 | 0.13 | 0.07 | 0.10 | 175 | 163 | 100 | 500 |
| 1871 | 1.57 | 0.13 | 0.07 | 0.10 | 141 | 163 | 100 | 500 |
| 1872 | 2.00 | 0.14 | 0.07 | 0.12 | 180 | 175 | 100 | 600 |
| 1873 | 1.99 | 0.13 | 0.08 | 0.10 | 179 | 163 | 114 | 500 |
| 1874 |  |  | 0.05 |  |  |  | 71 |  |
| 1875 | 1.79 | 0.16 | 0.12 |  | 161 | 200 | 171 |  |
| 1876 |  | 0.16 | 0.08 | 0.08 |  | 200 | 114 | 400 |
| 1877 | 1.23 | 0.15 | 0.08 | 0.06 | 111 | 188 | 114 | 300 |
| 1878 |  |  | 0.10 | 0.12 |  |  | 143 | 600 |
| 1879 |  | 0.16 | 0.08 | 0.11 |  | 200 | 114 | 550 |
| 1880 | 2.41 | 0.18 | 0.10 | 0.13 | 217 | 225 | 143 | 650 |
| 1881 | 3.06 | 0.23 | 0.18 | 0.19 | 275 | 288 | 261 | 971 |
| 1882 | 3.00 | 0.22 | 0.18 | 0.18 | 271 | 275 | 251 | 924 |
| 1883 | 2.66 | 0.20 | 0.07 | 0.09 | 240 | 250 | 100 | 450 |
| 1884 | 2.20 | 0.16 | 0.06 | 0.07 | 198 | 200 | 86 | 350 |
| 1885 | 1.74 | 0.12 | 0.06 | 0.06 | 157 | 150 | 86 | 300 |
| 1886 | 1.59 | 0.14 | 0.09 | 0.09 | 143 | 174 | 128 | 468 |
| 1887 | 1.43 | 0.15 | 0.11 | 0.11 | 129 | 185 | 151 | 547 |
| 1888 | 1.33 | 0.12 | 0.08 | 0.09 | 120 | 154 | 119 | 444 |
| 1889 | 1.36 | 0.11 | 0.08 | 0.08 | 123 | 141 | 107 | 396 |
| 1890 | 1.50 | 0.14 | 0.10 | 0.10 | 135 | 172 | 140 | 483 |
| 1891 | 1.57 | 0.17 | 0.12 | 0.13 | 141 | 212 | 178 | 650 |
| 1892 | 1.62 | 0.14 | 0.10 | 0.10 | 146 | 176 | 142 | 497 |
| 1893 | 1.74 | 0.12 | 0.09 | 0.08 | 157 | 155 | 133 | 425 |
| 1894 | 1.80 | 0.11 | 0.08 | 0.09 | 162 | 135 | 118 | 451 |
| 1895 | 1.76 | 0.11 | 0.09 | 0.10 | 159 | 137 | 132 | 483 |
| 1896 | 1.63 | 0.12 | 0.09 | 0.08 | 147 | 147 | 123 | 422 |
| 1897 | 1.59 | 0.15 | 0.10 | 0.10 | 143 | 191 | 137 | 478 |
| 1898 | 1.55 | 0.16 | 0.11 | 0.11 | 140 | 204 | 152 | 527 |
| 1899 | 1.48 | 0.16 | 0.11 | 0.10 | 133 | 205 | 161 | 498 |
|  | Leva/kg | | | | 1840 = 100 | | | |
|  | wool  (greasy)\* | wheat | barley | maize | wool (greasy)\* | wheat | barley | maize |
| 1900 | 1.41 | 0.15 | 0.11 | 0.11 | 127 | 194 | 156 | 532 |
| 1901 | 1.41 | 0.15 | 0.10 | 0.10 | 127 | 183 | 139 | 499 |
| 1902 | 1.47 | 0.14 | 0.10 | 0.11 | 132 | 179 | 142 | 545 |
| 1903 | 1.50 | 0.13 | 0.09 | 0.10 | 135 | 169 | 133 | 519 |
| 1904 | 1.71 | 0.13 | 0.09 | 0.10 | 154 | 168 | 128 | 489 |
| 1905 | 1.92 | 0.14 | 0.11 | 0.11 | 173 | 178 | 150 | 562 |
| 1906 | 1.87 | 0.14 | 0.11 | 0.10 | 168 | 175 | 154 | 523 |
| 1907 | 2.02 | 0.17 | 0.14 | 0.12 | 182 | 218 | 200 | 619 |
| 1908 | 1.93 | 0.20 | 0.15 | 0.15 | 174 | 247 | 215 | 735 |
| 1909 | 1.98 | 0.21 | 0.14 | 0.14 | 178 | 257 | 205 | 720 |
| 1910 | 2.02 | 0.18 | 0.13 | 0.13 | 182 | 227 | 179 | 633 |
| 1911 | 2.11 | 0.17 | 0.13 | 0.12 | 190 | 209 | 179 | 602 |
| 1912 | 2.17 | 0.19 | 0.16 | 0.14 | 195 | 236 | 224 | 716 |

*Source*: see figure 1a and online appendix–explanations.

Notes: \*wool prices refer to Bulgarian greasy wool.

Table A.5a *Bulgarian and Ottoman net barter terms of trade 1840-1912*

|  |  |  |  |
| --- | --- | --- | --- |
|  | NBToT-Bul-Bul\* | NBToT-Bul-UK\*\* | NBToT-Ott-UK\*\*\* |
| 1845 | 79.2 | 28.3 | 90.9 |
| 1850 | 80.5 | 50.9 | 147.7 |
| 1857 | 179.1 | 122.6 | 153.0 |
| 1860 | 181.3 | 122.8 | 136.7 |
| 1865 | 110.4 | 84.0 | 98.9 |
| 1870 | 187.0 | 132.6 | 116.1 |
| 1875 | 141.0 | 102.5 | 105.9 |
| 1883 | 115.0 | 112.6 | 113.6 |
| 1887 | 100.0 | 100.0 | 111.9 |
| 1890 | 87.0 | 59.9 | 106.8 |
| 1894 | 76.3 | 59.2 | 103.3 |
| 1899 | 128.8 | 95.0 | 119.8 |
| 1905 | 69.9 | 62.0 | 109.0 |
| 1912 | 154.0 | 152.0 | 115.6 |

*Source*: see online appendix–explanations*;* Pamuk and Williamson, *Deindustrialization*.

*Notes*: \* Net Barter Terms of Trade are based on Bulgarian import prices to calculate the Bulgarian import price index (base year: 1887); \*\* Net Barter Terms of Trade are based on British export prices to calculate the Bulgarian import price index (base year: 1887); \*\*\* Net Barter Terms of Trade are based on British export prices to calculate the Ottoman import price index (base year: 1880).

Table A.5b *Average prices (per decade) of Bulgarian export commodities (1840s-1910s, in current prices, all prices converted into Francs / Leva)*

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Prices | Units | Weights | 1840s | 1850s | 1860s | 1870s | 1880s | 1890s | 1900s |
| lambs | 1 pcs | 5.23 |  | 6.16 | 4.42 | 4.17 | 4.54 | 4.43 | 5.43 |
| sheep | 1 pcs | 4.44 |  | 9.82 | 6.62 | 11.49 | 8.15 | 6.97 | 9.72 |
| oxen | 1 pcs | 2.60 | 60.47 | 67.71 | 124.95 | 101.62 | 74.17 | 68.09 | 114.70 |
| wheat | 100 kg | 38.75 | 11.80 | 12.10 | 14.10 | 15.40 | 12.28 | 13.87 | 16.24 |
| rye | 100 kg | 5.41 | 5.00 | 7.00 | 11.25 | 9.50 | 9.95 | 10.40 | 12.33 |
| barley | 100 kg | 8.53 | 5.00 | 6.71 | 6.80 | 8.20 | 8.37 | 9.92 | 11.86 |
| maize | 100 kg | 8.74 | 6.50 | 6.86 | 9.80 | 11.50 | 9.49 | 9.82 | 11.83 |
| rose oil | 1 muskal | 9.29 | 2.70 | 3.77 | 3.99 | 4.74 | 4.51 | 4.44 | 4.80 |
| lamb skins | 1 pcs | 4.59 | 0.58 | 1.56 | 1.47 | 1.35 | 1.37 | 1.58 | 1.47 |
| goat skins | 1 pcs | 2.61 | 0.34 | 1.92 | 2.57 |  | 2.26 | 2.21 | 2.74 |
| aba | 1 meter | 3.81 | 0.98 | 1.21 | 1.61 | 1.83 | 1.84 |  | 1.52 |
| shayak | 1 meter |  |  |  |  |  | 2.36 | 1.55 | 1.14 |
| gaytan | 1 meter | 1.70 | 0.03 | 0.06 | 0.04 | 0.04 | 0.03 | 0.02 | 0.03 |
| cocoons | 1 kg | 4.11 |  | 4.18 | 4.49 | 3.26 | 2.15 | 2.53 | 2.42 |
| greasy wool | 1 kg | 0.17 | 0.76 | 1.17 | 1.78 | 1.88 | 1.37 | 1.62 | 1.81 |

*Source*: see online appendix–explanations.

*Notes*: Weights (%) for single prices in the total export price index are based on export statistics for the 1900s (sum of weights = 100.00). The weights of the textile price index are 31.8 percent for Gaytan, 63.8 percent for woollen cloth (aba and shayak) and 4.4 percent for silk. All remaining agricultural commodities go into the index for agricultural goods. The textiles and agricultural products listed were both used for export and, in even larger quantities, for domestic consumption.

Table A.6a *Subsistence and commercial sectors in the Bulgarian economy 1887-1911  
 (1911-prices, in Leva)*

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | Total GDP | Total peasant subsistence handicraft production\* | Total peasant subsistence production in farming | Total subsistence sector | Total commercial sector | Total commercial farm sector | Non-farm primary production (commercial)\*\* |
| 1887 | 1,061,982,457 | 117,674,896 | 384,614,271 | 502,289,167 | 559,693,290 | 114,627,205 | 111,235,233 |
| 1888 | 1,154,916,052 | 118,734,398 | 440,387,722 | 559,122,120 | 595,793,932 | 157,804,940 | 104,684,108 |
| 1889 | 1,097,703,035 | 119,793,899 | 346,273,243 | 466,067,143 | 631,635,892 | 167,166,339 | 96,892,253 |
| 1890 | 1,065,479,294 | 120,853,249 | 312,968,478 | 433,821,727 | 631,657,567 | 150,899,731 | 101,116,678 |
| 1891 | 1,199,733,814 | 121,912,750 | 432,226,104 | 554,138,854 | 645,594,960 | 170,148,033 | 89,798,369 |
| 1892 | 1,205,599,409 | 122,972,252 | 429,822,275 | 552,794,527 | 652,804,881 | 173,180,103 | 85,818,556 |
| 1893 | 1,156,925,046 | 124,643,680 | 342,976,112 | 467,619,792 | 689,305,255 | 192,674,397 | 85,563,972 |
| 1894 | 1,166,617,822 | 126,314,955 | 371,241,937 | 497,556,892 | 669,060,930 | 163,912,250 | 87,087,617 |
| 1895 | 1,161,791,671 | 127,986,383 | 350,666,551 | 478,652,934 | 683,138,737 | 163,804,600 | 94,610,189 |
| 1896 | 1,247,380,547 | 129,657,811 | 335,120,386 | 464,778,197 | 782,602,349 | 208,816,289 | 124,868,254 |
| 1897 | 1,170,943,677 | 131,329,086 | 364,411,578 | 495,740,664 | 675,203,013 | 142,763,786 | 94,064,237 |
| 1898 | 1,301,995,332 | 133,000,514 | 402,191,621 | 535,192,135 | 766,803,197 | 143,596,081 | 173,295,588 |
| 1899 | 1,232,412,230 | 134,671,789 | 371,993,352 | 506,665,141 | 725,747,089 | 120,656,073 | 131,386,345 |
| 1900 | 1,224,315,514 | 136,343,217 | 387,398,408 | 523,741,625 | 700,573,889 | 118,119,189 | 116,924,332 |
| 1901 | 1,290,023,176 | 139,058,734 | 394,345,341 | 533,404,074 | 756,619,102 | 154,036,424 | 109,088,946 |
| 1902 | 1,352,564,978 | 141,774,403 | 428,937,607 | 570,712,010 | 781,852,968 | 176,064,974 | 109,637,454 |
| 1903 | 1,396,624,997 | 144,489,920 | 428,293,128 | 572,783,049 | 823,841,948 | 187,977,403 | 139,688,517 |
| 1904 | 1,439,322,716 | 147,205,590 | 408,528,836 | 555,734,426 | 883,588,290 | 247,530,623 | 106,916,200 |
| 1905 | 1,398,389,507 | 149,921,107 | 412,988,691 | 562,909,798 | 835,479,709 | 207,918,917 | 111,415,427 |
| 1906 | 1,477,209,039 | 152,362,402 | 464,581,728 | 616,944,130 | 860,264,910 | 183,411,310 | 147,903,150 |
| 1907 | 1,333,284,271 | 154,803,849 | 344,908,332 | 499,712,181 | 833,572,090 | 164,731,387 | 105,593,543 |
| 1908 | 1,504,951,698 | 157,245,144 | 472,624,290 | 629,869,434 | 875,082,264 | 160,757,243 | 138,534,765 |
| 1909 | 1,502,816,202 | 159,686,591 | 444,424,675 | 604,111,266 | 898,704,936 | 145,527,371 | 151,765,065 |
| 1910 | 1,546,471,524 | 162,127,886 | 488,390,726 | 650,518,612 | 895,952,912 | 172,190,154 | 107,046,603 |
| 1911 | 1,670,989,975 | 162,279,599 | 493,245,202 | 655,524,801 | 1,015,465,175 | 222,747,483 | 124,384,936 |
| 1912 | 1,570,389,928 | 169,538,447 | 477,011,601 | 646,550,049 | 923,839,880 | 186,758,801 | 108,865,855 |

*Source*: own calculation, data from Ivanov, *Gross Domestic Product* and online appendix–explanations.

*Notes*: \*peasant household textile production mainly for self-consumption; \*\*forestry, hunting & fishing, domestic rural servants, and rents from rural buildings (minus agricultural credit).

Table A.6b *Subsistence and commercial sectors in the Bulgarian economy 1887-1911  
 (1911-prices, in Leva)*

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | Total secondary sector (commercial) | large-scale protected industry (modern industry) | small-scale industry (modern industry) | total modern industry | manual commercial manufac-turing | Mining & querries + cons-truction | Total tertiary sector |
| 1887 | 124.434.910 | 446.148 | 17.419.944 | 17.866.092 | 103.827.788 | 2.741.030 | 209.395.943 |
| 1888 | 124.617.599 | 402.958 | 18.088.070 | 18.491.029 | 102.845.278 | 3.281.293 | 208.687.286 |
| 1889 | 123.049.880 | 295.464 | 18.756.197 | 19.051.661 | 100.821.632 | 3.176.587 | 244.527.421 |
| 1890 | 121.662.753 | 529.108 | 19.424.323 | 19.953.431 | 98.741.833 | 2.967.489 | 257.978.406 |
| 1891 | 120.619.170 | 911.739 | 20.092.450 | 21.004.188 | 96.695.232 | 2.919.750 | 265.029.388 |
| 1892 | 120.704.868 | 2.068.729 | 20.760.576 | 22.829.305 | 94.521.569 | 3.353.993 | 273.101.354 |
| 1893 | 119.861.044 | 2.270.124 | 21.428.702 | 23.698.827 | 92.474.968 | 3.687.249 | 291.205.842 |
| 1894 | 119.902.931 | 1.925.363 | 22.096.829 | 24.022.192 | 92.352.842 | 3.527.896 | 298.158.132 |
| 1895 | 121.124.643 | 2.553.813 | 22.764.955 | 25.318.768 | 92.113.897 | 3.691.978 | 303.599.304 |
| 1896 | 121.603.987 | 2.370.380 | 23.433.082 | 25.803.462 | 91.851.996 | 3.948.529 | 327.313.819 |
| 1897 | 121.922.681 | 2.764.671 | 24.101.208 | 26.865.879 | 91.729.870 | 3.326.933 | 316.452.309 |
| 1898 | 123.155.193 | 2.677.223 | 24.769.334 | 27.446.558 | 91.490.924 | 4.217.711 | 326.756.334 |
| 1899 | 126.574.034 | 6.011.462 | 25.437.461 | 31.448.923 | 91.345.843 | 3.779.268 | 347.130.637 |
| 1900 | 125.908.797 | 5.659.304 | 25.896.307 | 31.555.611 | 91.106.898 | 3.246.288 | 339.621.571 |
| 1901 | 122.231.651 | 6.410.637 | 26.356.723 | 32.767.361 | 83.796.043 | 5.668.247 | 371.262.081 |
| 1902 | 116.855.759 | 6.889.336 | 26.815.570 | 33.704.906 | 76.518.386 | 6.632.467 | 379.294.780 |
| 1903 | 110.119.183 | 8.488.950 | 27.275.986 | 35.764.936 | 69.230.488 | 5.123.760 | 386.056.845 |
| 1904 | 107.106.691 | 10.595.931 | 27.734.832 | 38.330.763 | 61.919.633 | 6.856.294 | 422.034.775 |
| 1905 | 101.638.055 | 11.297.148 | 28.193.678 | 39.490.827 | 54.875.616 | 7.271.612 | 414.507.310 |
| 1906 | 105.536.869 | 9.891.723 | 28.654.094 | 38.545.818 | 60.240.681 | 6.750.371 | 423.413.581 |
| 1907 | 119.015.574 | 15.831.940 | 29.112.941 | 44.944.881 | 65.895.537 | 8.175.155 | 444.231.586 |
| 1908 | 127.994.782 | 18.264.063 | 29.573.357 | 47.837.420 | 71.494.241 | 8.663.120 | 447.795.474 |
| 1909 | 138.847.556 | 22.308.582 | 30.032.203 | 52.340.785 | 77.149.098 | 9.357.674 | 462.564.943 |
| 1910 | 148.310.913 | 24.625.417 | 30.530.290 | 55.155.706 | 82.747.802 | 10.407.404 | 468.405.243 |
| 1911 | 161.675.681 | 33.390.886 | 31.029.946 | 64.420.832 | 82.826.099 | 14.428.751 | 506.657.075 |
| 1912 | 153.225.506 | 28.030.508 | 31.528.032 | 59.558.540 | 82.988.018 | 10.678.948 | 474.989.718 |

*Sources*: see table A.6a.

Table A.7a. *Nominal wages in Bulgaria 1887-1912 (in Leva)*

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | daily wages | | |  |  |  | annual income | | | | |  |
|  | day labourer | | Harves-ter | | ploughman  with two oxen\* | mason | | small  scale industry | master (crafts) | Yourney  man (crafts) | Home industry |
| 1887 | | 1,94 | 2,86 | | 4,16 | 3,40 | | 430 | 808 | 273 | 126 |
| 1888 | | 2,02 | 2,73 | | 4,01 | 3,75 | | 415 | 802 | 263 | 122 |
| 1889 | | 2,17 | 2,84 | | 4,79 | 3,61 | | 425 | 814 | 270 | 125 |
| 1890 | | 2,22 | 3,16 | | 4,73 | 3,64 | | 432 | 842 | 274 | 126 |
| 1891 | | 1,97 | 2,33 | | 4,70 | 3,58 | | 415 | 821 | 263 | 122 |
| 1892 | | 2,09 | 2,76 | | 4,95 | 3,61 | | 430 | 849 | 273 | 126 |
| 1893 | | 2,30 | 2,92 | | 5,20 | 3,71 | | 461 | 946 | 292 | 134 |
| 1894 | | 2,27 | 2,87 | | 4,33 | 3,32 | | 458 | 930 | 291 | 134 |
| 1895 | | 1,96 | 2,88 | | 4,23 | 3,31 | | 427 | 893 | 271 | 125 |
| 1896 | | 1,87 | 3,00 | | 3,79 | 3,07 | | 408 | 871 | 259 | 119 |
| 1897 | | 1,97 | 2,89 | | 4,25 | 3,14 | | 485 | 861 | 308 | 141 |
| 1898 | | 1,86 | 2,73 | | 4,46 | 3,30 | | 408 | 874 | 259 | 119 |
| 1899 | | 1,81 | 2,75 | | 4,19 | 2,94 | | 358 | 730 | 227 | 105 |
| 1900 | | 1,83 | 2,42 | | 3,90 | 2,78 | | 348 | 714 | 221 | 102 |
| 1901 | | 2,08 | 2,26 | | 3,72 | 2,99 | | 343 | 698 | 218 | 101 |
| 1902 | | 2,02 | 2,43 | | 3,58 | 2,96 | | 350 | 683 | 222 | 102 |
| 1903 | | 2,03 | 2,98 | | 4,17 | 2,79 | | 358 | 698 | 227 | 105 |
| 1904 | | 1,92 | 2,52 | | 4,42 | 3,04 | | 365 | 739 | 231 | 106 |
| 1905 | | 2,03 | 3,02 | | 4,67 | 3,21 | | 398 | 817 | 253 | 116 |
| 1906 | | 2,34 | 3,23 | | 4,73 | 3,68 | | 422 | 911 | 268 | 123 |
| 1907 | | 2,29 | 3,33 | | 5,53 | 4,33 | | 434 | 999 | 276 | 127 |
| 1908 | | 2,21 | 2,82 | | 5,42 | 4,35 | | 437 | 1024 | 277 | 127 |
| 1909 | | 2,27 | 3,15 | | 4,98 | 4,31 | | 458 | 1052 | 291 | 134 |
| 1910 | | 2,55 | 3,28 | | 5,09 | 4,86 | | 485 | 1109 | 308 | 141 |
| 1911 | | 2,93 | 3,53 | | 5,59 | 5,48 | | 523 | 1168 | 332 | 153 |
| 1912 | | 3,27 | 3,67 | | 5,50 | 5,78 | | 576 | 1290 | 365 | 168 |

*Source*: own calculation; data from Ivanov, *Gross Domestic Product*, pp. 174, 342-359, 471-483) and *GDP unpublished*.

*Notes*: The daily wages represent unweighted averages based on wage series from Sofia, Plovdiv, Varna and Ruse.

Table A.7b. *Real wage indices from Bulgaria 1887-1912 (1911 = 100)*

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | GRPI\* | day labourer | harvester | ploughman with two oxen | mason | small scale industry | master / crafts | yourneyman / crafts | Home  industry |
| 1887 | 68 | 98 | 120 | 110 | 91 | 121 | 102 | 121 | 122 |
| 1888 | 64 | 107 | 121 | 112 | 107 | 124 | 107 | 124 | 124 |
| 1889 | 62 | 119 | 129 | 137 | 105 | 130 | 112 | 130 | 131 |
| 1890 | 66 | 114 | 135 | 127 | 100 | 124 | 109 | 124 | 124 |
| 1891 | 70 | 96 | 94 | 120 | 93 | 113 | 100 | 113 | 114 |
| 1892 | 71 | 101 | 110 | 125 | 93 | 116 | 103 | 116 | 117 |
| 1893 | 73 | 108 | 113 | 127 | 93 | 121 | 111 | 121 | 121 |
| 1894 | 71 | 109 | 114 | 108 | 85 | 123 | 112 | 123 | 123 |
| 1895 | 71 | 94 | 115 | 106 | 85 | 115 | 107 | 115 | 115 |
| 1896 | 69 | 92 | 123 | 98 | 81 | 113 | 108 | 113 | 113 |
| 1897 | 71 | 95 | 115 | 107 | 81 | 131 | 104 | 131 | 131 |
| 1898 | 70 | 90 | 110 | 114 | 86 | 111 | 107 | 111 | 111 |
| 1899 | 68 | 91 | 115 | 111 | 79 | 101 | 92 | 101 | 102 |
| 1900 | 66 | 94 | 103 | 105 | 76 | 100 | 92 | 100 | 101 |
| 1901 | 66 | 107 | 96 | 100 | 82 | 99 | 90 | 99 | 100 |
| 1902 | 69 | 101 | 100 | 93 | 79 | 98 | 85 | 98 | 98 |
| 1903 | 71 | 98 | 119 | 105 | 72 | 97 | 85 | 97 | 97 |
| 1904 | 74 | 89 | 97 | 108 | 75 | 95 | 86 | 95 | 95 |
| 1905 | 80 | 86 | 106 | 104 | 73 | 95 | 87 | 95 | 95 |
| 1906 | 84 | 95 | 108 | 100 | 79 | 96 | 92 | 96 | 96 |
| 1907 | 88 | 89 | 108 | 113 | 90 | 95 | 98 | 95 | 95 |
| 1908 | 89 | 84 | 89 | 108 | 89 | 93 | 98 | 93 | 93 |
| 1909 | 93 | 83 | 96 | 96 | 84 | 94 | 97 | 94 | 94 |
| 1910 | 95 | 92 | 98 | 96 | 93 | 98 | 100 | 98 | 98 |
| 1911 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 1912 | 107 | 104 | 97 | 92 | 99 | 103 | 103 | 103 | 103 |

*Source*: see table A7a.

*Notes*: \*the General Retail Price Index (GRPI) is taken from the official Bulgarian statistics and based on 98 commodities whose composition is unknown.

Table A.8a. *The Bulgarian textile economy, 1870-1912 (Subsistence and market: input and output; 1911-prices, in Leva)*

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | 1870 | 1886 | 1896 | 1900 | 1904 | 1909 | 1911 | 1912 |
| Population | people | 3,280,000 | 3,369,627 | 3,792,770 | 4,033,435 | 4,283,435 | 4,607,686 | 4,742,618 | 4,811,550 |
| Urban population, 5000+ |  | 583,000 | 560,000 | 772,500 | 802,500 | 822,000 | 836,000 | 840,000 | 842,000 |
| Urban population share | % | 17.77 | 16.62 | 20.37 | 19.90 | 19.19 | 18.14 | 17.71 | 17.50 |
| Moslem population catering from the market | people | 626,746 | 606,146 | 582,257 | 581,973 | 571,382 | 565,752 | 566,721 | 567,247 |
|  |  |  |  |  |  |  |  |  |  |
| Total population catering from the market | people | 1,210,000 | 1,164,627 | 1,352,770 | 1,383,435 | 1,388,435 | 1,397,686 | 1,402,618 | 1,411,550 |
| Self-sufficient population in textile | people | 2,070,000 | 2,205,000 | 2,440,000 | 2,650,000 | 2,895,000 | 3,210,000 | 3,340,000 | 3,400,000 |
| Share of self-sufficient population | % | 63.11 | 65.44 | 64.33 | 65.70 | 67.59 | 69.67 | 70.43 | 70.66 |
| Share of market-dependent population | % | 36.89 | 34.56 | 35.67 | 34.30 | 32.41 | 30.33 | 29.57 | 29.34 |
|  |  |  |  |  |  |  |  |  |  |
| Sheep Flock | heads | 8,600,000 | 6,900,000 | 7,500,000 | 7,500,000 | 8,500,000 | 9,200,000 | 9,400,000 | 9,500,000 |
| Wool | kg | 11,042,400 | 8,859,600 | 9,630,000 | 9,630,000 | 10,914,000 | 11,812,800 | 12,069,600 | 12,198,000 |
| Net import of wool | kg | -3,250,000 | 197,614 | 148,938 | 32,154 | 924,477 | 1,151,787 | 1,715,484 | 2,182,329 |
| Available wool | kg | 7,792,400 | 9,057,214 | 9,778,938 | 9,662,154 | 11,838,477 | 12,964,587 | 13,785,084 | 14,380,329 |
| Price of unwashed wool | Lev/kg | 1.68 | 1.72 | 1.63 | 1.41 | 1.71 | 1.98 | 2.11 | 2.17 |
|  |  |  |  |  |  |  |  |  |  |
| Textil production for self-consumption | sq.m. | 2,697,390 | 5,368,541 | 5,146,215 | 5,463,420 | 5,978,417 | 5,896,877 | 6,650,136 | 7,037,829 |
| Textil production for self-consumption | kg | 4,187,155 | 7,508,904 | 7,197,940 | 7,641,610 | 8,361,929 | 8,247,881 | 9,301,454 | 9,843,714 |
| Share of self-subsistence in textile (kg) | % | 53.73 | 82.91 | 73.61 | 79.09 | 70.63 | 63.62 | 67.47 | 68.45 |
| Share of textile market production (kg) | % | 46.27 | 17.09 | 26.39 | 20.91 | 29.37 | 36.38 | 32.53 | 31.55 |
| Marketed wool | kg | 3,605,245 | 1,548,311 | 2,580,998 | 2,020,543 | 3,476,548 | 4,716,707 | 4,483,631 | 4,536,615 |
| Wool for mechanized large industry | kg | 141,324 | 326,427 | 1,630,849 | 1,009,237 | 2,368,850 | 3,606,208 | 3,379,046 | 3,460,039 |
| Residual for home industry & crafts | kg | 3,463,921 | 1,221,883 | 950,149 | 1,011,306 | 1,107,698 | 1,110,499 | 1,104,585 | 1,076,576 |

Sources: for sources and ways of calculation, see online appendix–explanations.

Table A.8b. *The Bulgarian textile economy, 1870-1912 (the individual wool trades 1; 1911-prices, in Leva)*

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | 1870 | 1886 | 1896 | 1900 | 1904 | 1909 | 1911 | 1912 |
| **Gaytan** |  |  |  |  |  |  |  |  |  |
| Charks (gaytan plating machines) | numbers | 6,000 | 1,880 | 1,390 | 1,345 | 1,450 | 1,430 | 1,430 | 1,430 |
| Gaytan | kg | 1,540,800 | 482,784 | 356,952 | 345,396 | 372,360 | 367,224 | 367,224 | 367,224 |
| Wool used for gaytan | kg | 2,622,569 | 821,738 | 710,987 | 679,567 | 633,787 | 625,046 | 625,046 | 625,046 |
| Gaytan price | Lev/kg | 7.67 | 7.67 | 7.67 | 7.67 | 7.67 | 7.67 | 7.67 | 7.67 |
| Gaytan chark output, value | Levs | 11,812,435 | 3,701,230 | 2,736,547 | 2,647,954 | 2,854,672 | 2,815,297 | 2,815,297 | 2,815,297 |
| Gaytan factory output, value | Levs |  |  | 465,842 | 412,914 | 776,166 | 809,679 | 1,772,629 | 1,292,477 |
| *Gaytan output in total* | *Levs* | *11,812,435* | *3,701,230* | *3,202,390* | *3,060,868* | *3,630,838* | *3,624,976* | *4,587,926* | *4,107,774* |
| **Carpets** |  |  |  |  |  |  |  |  |  |
| Carpets-yarn (hand&factory) | kg | 38,754 | 32,190 | 26,214 | 74,944 | 89,909 | 80,295 | 95,840 | 85,159 |
| Wool used for carpets (hand&factory) | kg | 62,664 | 52,051 | 42,388 | 121,184 | 145,381 | 129,836 | 154,972 | 137,700 |
| Carpets output (hand), volume | sq.m. | 36,714 | 30,496 | 24,835 | 71,000 | 85,177 | 76,069 | 90,796 | 80,677 |
| Carpets price | Lev/sq.m. | 7.60 | 7.60 | 7.60 | 7.60 | 7.60 | 7.60 | 7.60 | 7.60 |
| *Carpets hand output, value* | *Levs* | *279,101* | *231,831* | *188,792* | *539,741* | *647,514* | *578,277* | *690,231* | *613,305* |
| **Socks** |  |  |  |  |  |  |  |  |  |
| Socks-yarn | kg | 68,526 | 18,274 | 13,705 | 12,563 | 11,421 | 10,279 | 9,594 | 9,594 |
| Wool used for socks | kg | 110,806 | 29,548 | 22,161 | 20,314 | 18,468 | 16,621 | 15,513 | 15,513 |
| Socks output, volume | pairs | 300,000 | 80,000 | 60,000 | 55,000 | 50,000 | 45,000 | 42,000 | 42,000 |
| Socks price | Lev/pair | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 |
| *Socks output, value* | *Levs* | *289,864* | *77,297* | *57,973* | *53,142* | *48,311* | *43,480* | *40,581* | *40,581* |
| **Kebe** |  |  |  |  |  |  |  |  |  |
| Wool used for kebes | kg | 70,000 | 11,064 | 2,766 | 1,106 |  |  |  |  |
| Kebe yarn | kg | 43,291 | 6,842 | 1,711 | 684 |  |  |  |  |
| Kebe output | pcs | 6,327 | 1,000 | 250 | 100 |  |  |  |  |
| Kebe price | Lev/pcs | 39,51 | 40,00 | 45,00 | 40,00 |  |  |  |  |
| *Kebe hand output* | *Levs* | *211,942* | *26,154* | *13,409* | *5,900* |  |  |  |  |

*Source*: see table A8a.

Table A.8c. *The Bulgarian textile economy, 1870-1912 (the individual wool trades 2; 1911-prices, in Leva)*

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | 1870 | 1886 | 1896 | 1900 | 1904 | 1909 | 1911 | 1912 |
| **Cloth** |  |  |  |  |  |  |  |  |  |
| Residual for hand-made cloth | kg | 597,882 | 307,482 | 171,847 | 189,136 | 310,063 | 338,997 | 309,055 | 298,318 |
|  |  |  |  |  |  |  |  |  |  |
| Wool used for **aba + yamurluk** | kg | 478,306 | 166,764 | 31,620 | 25,912 | 44,373 | 26,692 | 15,129 | 25,059 |
| Aba output, volume | sq.m. | 943,853 | 329,079 | 62,396 | 51,132 | 87,562 | 52,671 | 29,854 | 49,449 |
| Aba price | Lev/m2 | 3.23 | 3.23 | 3.23 | 3.23 | 3.23 | 3.23 | 3.23 | 3.23 |
| Aba output, value | Levs | 3,048,645 | 1,062,924 | 201,540 | 165,156 | 282,825 | 170,128 | 96,428 | 159,720 |
| Yamurluk price | Lev/m2 | 3.07 |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
| Wool used for **shayak** | kg | 119,576 | 140,719 | 140,227 | 163,224 | 265,690 | 312,305 | 293,926 | 273,259 |
| Shayak output, volume | sq.m. | 160,788 | 189,217 | 188,556 | 219,478 | 357,259 | 419,939 | 395,226 | 367,436 |
| Shayak (hand) price | Lev/m | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 |
| Shayak output (hand), value | Levs | 442,167 | 520,346 | 518,529 | 603,565 | 982,461 | 1,154,833 | 1,086,872 | 1,010,450 |
|  |  |  |  |  |  |  |  |  |  |
| Factory shayak output | sq.m. | 115,000 | 250,000 | 1,050,000 | 900,000 | 1,950,000 | 2,950,000 | 4,000,000 | 4,100,000 |
| Factory shayak price | Lev/m2 | 6.54 | 3.24 | 4.59 | 4.31 | 3.99 | 3.94 | 3.32 | 3.42 |
| Factory shayak volume | Kg | 92,000 | 212,500 | 924,000 | 657,000 | 1,391,736 | 2,118,704 | 1,985,242 | 2,032,827 |
| Wool for factory shayak | kg | 141,324 | 326,427 | 1,630,849 | 1,009,237 | 2,368,850 | 3,606,208 | 3,379,046 | 3,460,039 |
| Factory shayak value | Levs | 381,800 | 830,000 | 4,165,259 | 4,435,856 | 6,399,080 | 9,744,112 | 13,757,932 | 13,800,844 |
| Shayak & Aba | Levs | 3,872,612 | 2,413,270 | 4,885,328 | 5,204,577 | 7,664,366 | 11,069,074 | 14,941,232 | 14,971,014 |
| Shayak total (hand & factory) | Levs | 823,967 | 1,350,346 | 4,683,788 | 5,039,421 | 7,381,542 | 10,898,946 | 14,844,804 | 14,811,294 |
| **Physical volume of output** |  |  |  |  |  |  |  |  |  |
| Hand produced cloth, total length | sq.m. | 1.104.641 | 518.295 | 250.952 | 270.610 | 444.820 | 472.611 | 425.080 | 416.885 |
| Factory cloth output, total lenght | sq.m. | 115.000 | 250.000 | 1.050.000 | 900.000 | 1.950.000 | 2.950.000 | 4.000.000 | 4.100.000 |
| Cloth output, total lenght | sq.m. | 1.219.641 | 768.295 | 1.300.952 | 1.170.610 | 2.394.820 | 3.422.611 | 4.425.080 | 4.516.885 |
| Cloth output per capita | sq.m./people | 0.37 | 0.23 | 0.34 | 0.29 | 0.56 | 0.74 | 0.93 | 0.94 |
| **Export of woolens** | Levs |  | 1,945,753 | 1,703,355 |  | 2,869,671 | 4,939,062 | 3,592,673 | 2,226,765 |
| Export share of woolen output | % |  | 30.17 | 20.40 |  | 23.93 | 32.25 | 17.73 | 11.28 |

*Source*: see table A8a.

Table A.8d. Output and *value added of the Bulgarian wool industry, 1870-1912 (1911-prices, in Leva)*

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | 1870 | 1886 | 1896 | 1900 | 1904 | 1909 | 1911 | 1912 |
| **Value added (current prices)** |  |  |  |  |  |  |  |  |  |
| raw materials (wool) | kg | 3,605,245 | 1,548,311 | 2,580,998 | 2,020,543 | 3,476,548 | 4,716,707 | 4,483,631 | 4,536,615 |
| raw materials (wool) | Levs | 6,056,811 | 2,663,094 | 4,207,027 | 2,848,966 | 5,944,897 | 9,339,079 | 9,460,461 | 9,844,455 |
| **Value Added (va)** | **Lev** | 10,343,593 | 3,786,687 | 4,140,865 | 6,015,261 | 6,046,131 | 5,976,727 | 10,799,509 | 9,888,219 |
| **Value added (1911-price)** |  |  |  |  |  |  |  |  |  |
| raw materials (wool) | kg | 3,605,245 | 1,548,311 | 2,580,998 | 2,020,543 | 3,476,548 | 4,716,707 | 4,483,631 | 4,536,615 |
| raw materials (wool) | Levs | 7,607,066 | 3,266,935 | 5,445,906 | 4,263,346 | 7,335,517 | 9,952,251 | 9,460,461 | 9,572,258 |
| **Value Added** | **Levs** | 8,793,338 | 3,182,846 | 2,901,986 | 4,600,881 | 4,655,512 | 5,363,556 | 10,799,509 | 10,160,416 |
| **Value added (1911 price) handmade** | |  |  |  |  |  |  |  |  |
| raw materials (wool) | Kg | 3,463,921 | 1,221,883 | 950,149 | 1,011,306 | 1,107,698 | 1,110,499 | 1,104,585 | 1,076,576 |
| raw materials (wool) | Levs | 7,308,873 | 2,578,173 | 2,004,815 | 2,133,856 | 2,337,244 | 2,343,152 | 2,330,674 | 2,271,576 |
| **Value added** | **Levs** | 8,775,282 | 3,041,608 | 1,711,976 | 1,881,602 | 2,478,538 | 2,418,863 | 2,398,735 | 2,367,777 |
| **Value added (1911-price) factory** | |  |  |  |  |  |  |  |  |
| raw materials (wool) | Kg | 141,324 | 326,427 | 1,630,849 | 1,009,237 | 2,368,850 | 3,606,208 | 3,379,046 | 3,460,039 |
| raw materials (wool) | Lev | 298,193 | 688,762 | 3,441,091 | 2,129,490 | 4,998,273 | 7,609,099 | 7,129,787 | 7,300,682 |
| **Value added** | **Levs** | 18,057 | 141,238 | 1,190,010 | 2,719,279 | 2,176,974 | 2,944,693 | 8,400,774 | 7,792,639 |
| **Growth per period** | **%** |  | 682.2% | 742.6% | 128.5% | 82.9% | 35.3% | 185.3% | -7.2% |
| **Share Value added (handmade)** | **%** | 99,8% | 95,6% | 59,0% | 40,9% | 53,2% | 45,1% | 22,2% | 23,3% |
| **Share value added (factory)** | **%** | 0,2% | 4,4% | 41,0% | 59,1% | 46,8% | 54,9% | 77,8% | 76,7% |
| **Output of wool Industry\*** |  |  |  |  |  |  |  |  |  |
| Percentage change per period | % |  | -60.7% | 29.4% | 6.2% | 43.6% | 27.7% | 32.3% | -2.6% |
| home industry & crafts | Levs | 16,084,154 | 5,619,782 | 3,716,791 | 4,015,458 | 4,815,782 | 4,762,015 | 4,729,409 | 4,639,353 |
| mechanized industry | Levs | 316,250 | 830,000 | 4,631,101 | 4,848,769 | 7,175,247 | 10,553,792 | 15,530,561 | 15,093,321 |
| Total wool textile industry | Levs | 16,400,404 | 6,449,782 | 8,347,892 | 8,864,227 | 11,991,029 | 15,315,807 | 20,259,970 | 19,732,674 |
| per capita | Levs | 5.00 | 1.91 | 2.20 | 2.20 | 2.80 | 3.32 | 4.27 | 4.10 |
| Share of handmade production | % | 98.07 | 87.13 | 44.52 | 45.30 | 40.16 | 31.09 | 23.34 | 23.51 |
| Share of factory production | % | 1.93 | 12.87 | 55.48 | 54.70 | 59.84 | 68.91 | 76.66 | 76.49 |

*Source*: see table A8a.

*Notes*: \*Output equals input plus value added. Input or raw materials is defined as wool.

Table A.8e. *The Non-wool textile industry, auxiliary industries, and total textile industry 1870-1912 (1911-prices, in Leva)*

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | 1870 | 1886 | 1896 | 1900 | 1904 | 1909 | 1911 | 1912 |
| **Handmade outp. (cottage ind. & crafts)** |  |  |  |  |  |  |  |  |  |
| Silk hand industry | Levs | 63,000 | 25,121 | 35,557 | 40,297 | 32,682 | 29,243 | 20,000 | 21,198 |
| Cotton hand industry | Levs | 178,065 | 172,500 | 245,333 | 235,897 | 151,648 | 57,500 | 50,000 | 46,231 |
| Cotton hand kerchief | Levs |  |  | 122,667 | 294,872 | 404,396 | 690,000 | 1,200,000 | 924,623 |
| Hemp and linnen hand industry | Levs | 19,156 | 14,408 | 14,717 | 12,561 | 16,780 | 26,675 | 16,000 | 29,629 |
| Fulling and Dyeing | Levs | 1,776,000 | 1,867,200 | 2,068,800 | 2,260,800 | 2,438,400 | 2,745,600 | 2,860,800 | 2,908,800 |
| **Factory output** |  |  |  |  |  |  |  |  |  |
| Silk factory output | Levs | 210,000 | 251,213 | 352,200 | 376,110 | 305,029 | 40,940 | 50,000 | 10,599 |
| Cotton factory industry | Levs |  |  |  | 2,967,000 | 1,841,017 | 4,097,752 | 3,919,942 | 4,036,217 |
| Cotton head kerchief | Levs |  |  |  |  |  | 104,715 | 84,466 | 94,429 |
| Hemp and linnen factory industry | Levs |  |  |  | 125,605 | 165,056 | 1,421,957 | 1,575,619 | 2,305,021 |
| Other (dye, etc) factory industry | Levs |  | 1,744 | 16,181 | 26,027 | 84,277 | 189,395 | 231,051 | 382,551 |
| **Total Textile industry output** | Levs | 18,646,624 | 8,781,967 | 11,203,347 | 15,203,397 | 17,430,313 | 24,719,583 | 30,267,848 | 30,491,973 |
| Percentage change per period | % |  | -52.9 | 27.6 | 35.7 | 55.6 | 41.8 | 22.4 | 0.7 |
| Total textile ind. out. per capita | Levs | 5.68 | 2.61 | 2.95 | 3.77 | 4.07 | 5.36 | 6.38 | 6.34 |
| **Total Non-Wool Textile Output** | Levs | 470,220 | 463,242 | 770,474 | 4,052,342 | 2,916,608 | 6,468,782 | 6,916,027 | 7,467,948 |
| Share of Non-wool in total textile o.\* | **%** | 2.79 | 6.70 | 8.45 | 31.37 | 19.56 | 29.69 | 25.45 | 27.46 |
| Total employment in textile industry | people | 88,500 | 43,400 | 36,000 | 43,700 | 44,300 | 55,900 | 56,800 | 56,800 |
| Total textile output per employee | Levs | 210.70 | 202.35 | 311.20 | 347.90 | 393.46 | 442.21 | 532.88 | 536.83 |
| **Total factory output of textile ind.** | Levs | 526,250 | 1,082,956 | 4,999,482 | 8,343,511 | 9,570,626 | 16,408,551 | 21,391,639 | 21,922,139 |
| **Total handmade output of textile ind.** | Levs | 18,120,374 | 7,699,011 | 6,203,864 | 6,859,885 | 7,859,687 | 8,311,033 | 8,876,209 | 8,569,834 |
| Share of factory output in total text. i.+ | % | 3.12 | 15.66 | 54.73 | 64.47 | 63.84 | 74.67 | 78.05 | 79.48 |
| Share of handmade out. in tot. text. i. ++ | % | 96.88 | 84.34 | 45.27 | 35.53 | 36.16 | 25.33 | 21.95 | 20.52 |
| Tayloring | Levs | 6,808,000 | 7,157,600 | 7,930,400 | 8,666,400 | 9,347,200 | 10,524,800 | 10,966,400 | 11,150,400 |
| Total textile sector | Levs | 25,454,624 | 15,939,567 | 19,133,747 | 23,869,797 | 26,777,513 | 35,244,383 | 41,234,248 | 41,642,373 |

*Source*: see table A8a.

*Notes*: \*without fulling and dying; +share of factory output in total textile industry output; ++share of handmade output in total textile industry output.