



Estadísticas

Minería, la base para el desarrollo de 70 industrias

PARTICIPACIÓN DE MÉXICO EN LA PRODUCCIÓN MINERA MUNDIAL EN 2023



Plata
1° Lugar
(24.82%)

Fluorita
2° Lugar
(11.41%)

Wollastonita
3° Lugar
(7.17%)

Sulfato de Sodio
3° Lugar
(4.54%)

Celestita
4° Lugar
(6.79%)

Plomo
4° Lugar
(6.01%)

Molibdeno
5° Lugar
(5.71%)

Cadmio
5° Lugar
(4.78%)

Sulfato de Magnesio
5° Lugar
(2.55%)

Zinc
6° Lugar
(5.67%)

Diatomita
6° Lugar
(3.80%)

Barita
7° Lugar
(3.06%)

Yeso
8° Lugar
(3.49%)

Sal
8° Lugar
(3.29%)

Oro
9° Lugar
(3.47%)

Cobre
10° Lugar
(3.48%)

Manganeso
11° Lugar
(1.11%)

Caolín
11° Lugar
(0.47%)

Feldespatos
12° Lugar
(1.72%)

Grafito
13° Lugar
(0.13%)

Fierro
17° Lugar
(0.47%)

Arena Sílica
19° Lugar
(0.67%)

Fosforita
24° Lugar
(0.23%)

Fuente: World Silver Survey, International Copper Study Group, International Lead and Zinc Study Group, World Gold Council y Mineral Commodity Summaries.



VOLUMEN Y VALOR DE LA PRODUCCIÓN MINERO-METALÚRGICA, 2022-2023

PRODUCTOS	VOLUMEN (Toneladas)		VAR %	VALOR (Miles de pesos)		VAR %
	2022	2023	2023/2022	2022	2023	2023/2022
TOTAL				316,955,704.8	261,060,952.4	-17.6
I.- METALES PRECIOSOS^{1_/}				152,766,417.7	125,440,858.7	-17.9
Oro (Kg)	83,481	70,059	-16.1	97,099,046.2	77,494,771.6	-20.2
Plata (Kg)	3,941,329	3,593,209	-8.8	55,667,371.5	47,946,087.1	-13.9
II.- METALES INDUSTRIALES NO FERROSOS^{1_/}				123,323,757.8	104,551,577.8	-15.2
Plomo	142,774	134,355	-5.9	6,172,182.4	5,213,105.1	-15.5
Cobre	486,076	508,804	4.7	86,228,654.7	76,303,107.6	-11.5
Zinc	319,438	282,974	-11.4	22,474,970.0	14,655,338.7	-34.8
Bismuto	0	0	-	0.0	0.0	-
Cadmio	1,174	1,021	-13.0	58,065.0	50,478.5	-13.1
Selenio	141	139	-1.4	59,017.5	51,332.1	-13.0
Molibdeno	15,496	17,497	12.9	8,330,868.3	8,278,215.8	-0.6
III.- METALES Y MINERALES SIDERÚRGICOS				18,643,145.2	8,877,476.9	-52.4
Carbón No Coquizable ^{2_/}	4,632,921	418,733	-91.0	2,764,681.4	249,857.7	-91.0
Coque ^{2_/}	479,800	0	-100.0	2,689,827.1	0.0	-100.0
Pellets de Hierro ^{1_/}	6,799,766	5,347,079	-21.4	12,012,259.3	7,791,675.6	-35.1
Manganeso ^{1_/}	220,745	225,211	2.0	1,176,377.4	835,943.6	-28.9
IV.- MINERALES NO METÁLICOS^{2_/}				22,222,384.1	22,191,039.1	-0.1
Azufre ^{3_/}	289,125	221,389	-23.4	588,900	463,505.3	-21.3
Grafito	1,976	1,297	-34.4	12,570	8,259.4	-34.3
Barita	305,270	295,989	-3.0	997,422	852,677.2	-14.5
Dolomita	10,287,326	10,332,537	0.4	2,329,839	2,339,483.5	0.4
Fluorita	1,000,626	1,162,591	16.2	4,504,038	6,228,361.1	38.3
Caolín	227,798	51,962	-77.2	744,565	169,867.4	-77.2
Arena Sílica	4,038,190	3,675,666	-9.0	2,475,410	2,253,183.3	-9.0
Yeso	6,558,087	6,377,975	-2.7	1,093,903	1,062,856.5	-2.8
Fosforita	441,704	419,012	-5.1	845,238	814,343.5	-3.7
Wollastonita	84,713	89,209	5.3	346,632	319,480.9	-7.8
Celestita	33,787	28,008	-17.1	31,008	25,872.2	-16.6
Feldespató	494,671	316,987	-35.9	426,406	273,242.8	-35.9
Sal	8,659,668	8,370,517	-3.3	3,487,504	3,374,838.1	-3.2
Diatomita	164,001	163,475	-0.3	593,552	591,801.3	-0.3
Sulfato de Sodio	764,189	706,416	-7.6	3,402,129	3,117,400.0	-8.4
Sulfato de Magnesio	66,498	63,849	-4.0	343,267	295,866.6	-13.8

Fuente INEGI.

Notas:

1_/ Contenido metálico.

2_/ Volumen del mineral.

3_/ Obtenido de la refinera del petróleo crudo.

La suma de los parciales puede no coincidir con los totales debido al redondeo.

El valor de la producción para los metales excepto para el selenio y pellet de hierro, se obtiene con las cotizaciones internacionales; para los minerales no metálicos, el valor de la producción se obtiene con los precios del mercado nacional.

VOLUMEN DE LA PRODUCCIÓN MINERA NACIONAL DURANTE EL PERIODO 2003-2023 (Toneladas)

PRODUCTOS	2003	2004	2005	2006	2007	2008	2009	2010	2011
METALES PRECIOSOS									
Oro (Kg)	20,406	21,825	30,357	38,962	43,710	50,818	62,400	79,376	88,649
Plata	2,569	2,569	2,894	2,970	3,135	3,236	3,554	4,410	4,777
METALES INDUSTRIALES NO FERROSOS									
Plomo	139,348	118,484	134,388	135,025	137,133	141,173	143,838	192,062	223,717
Cobre	355,653	405,539	429,042	334,129	337,527	246,593	240,648	270,136	443,621
Zinc	413,991	426,361	476,307	479,379	452,012	453,588	489,766	570,004	631,859
Molibdeno	3,524	3,731	4,245	2,519	6,491	7,812	10,167	10,849	10,787
METALES Y MINERALES SIDERÚRGICOS									
Carbón Mineral	6,648,257	6,450,594	9,940,326	10,882,685	11,886,757	10,402,658	9,496,189	9,240,569	13,718,159
Fierro	8,182,406	8,825,155	9,548,619	9,614,623	10,916,437	11,688,107	11,680,000	13,998,273	12,805,778
Manganeso	114,550	135,893	132,872	124,417	152,446	169,908	118,578	174,761	170,935
MINERALES NO METÁLICOS									
Azufre	1,051,968	1,125,591	1,016,822	1,073,567	1,029,736	1,040,546	1,114,028	993,375	959,488
Grafito	8,730	14,769	12,357	11,773	9,900	7,229	5,015	6,628	7,348
Barita	287,451	306,668	268,657	199,605	185,921	140,066	151,791	143,225	134,727
Dolomita	565,896	1,158,929	1,308,977	1,282,590	1,123,225	1,233,993	982,650	1,499,744	2,785,314
Fluorita	756,258	842,698	875,450	936,433	933,361	1,057,649	1,045,940	1,067,386	1,206,907
Caolín	28,272	16,241	32,648	18,852	86,784	85,092	78,086	120,094	120,003
Arena Sílica	1,689,042	2,055,940	2,120,878	2,661,770	2,950,438	2,779,075	2,483,605	2,207,650	2,542,143
Feldespató	346,315	364,166	373,411	459,209	438,696	445,519	347,510	398,849	382,497
Yeso	6,864,890	9,221,458	6,251,968	6,075,892	6,918,973	6,933,279	5,756,936	3,559,579	3,838,348
Fosforita	5,500	350	350	7,500	47,721	969,094	1,421,823	1,507,402	1,690,606
Sal	7,546,987	8,565,520	9,507,623	8,377,771	8,032,273	8,808,714	7,445,025	8,430,562	8,769,140
Wollastonita	31,234	28,224	27,132	44,280	50,809	46,844	29,728	46,548	47,523
Celestita	130,329	87,610	110,833	128,321	96,902	29,621	36,127	31,429	40,669
Diatomita	67,801	59,818	62,132	62,948	82,519	128,536	80,807	91,710	84,231
Sulfato de Sodio	586,100	608,000	607,000	614,000	605,000	618,000	606,000	620,000	630,500
Sulfato de Magnesio	27,100	28,100	27,900	33,000	33,900	43,053	34,700	39,400	45,598

2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
102,802	119,774	117,771	134,759	132,413	126,820	118,359	108,985	110,361	124,776	148,502	139,157
5,358	5,821	5,766	5,955	5,408	5,815	6,049	5,840	5,605	6,097	6,630	5,656
238,091	253,361	250,462	263,772	241,271	243,022	240,304	259,457	260,390	272,231	272,988	182,996
500,275	480,124	515,025	594,451	766,129	742,246	751,005	768,542	732,863	734,137	753,885	699,118
660,349	642,542	659,878	786,774	661,188	671,444	690,895	676,677	688,461	742,926	744,341	583,562
11,366	12,562	14,370	11,327	11,896	13,985	15,149	16,890	18,562	16,319	15,496	17,497
13,656,051	13,065,353	13,453,540	7,492,620	8,130,459	7,279,817	6,971,434	5,625,943	3,530,398	6,231,583	5,963,306	652,029
14,915,941	18,839,574	16,627,920	13,461,932	12,089,682	11,712,533	12,172,621	11,561,771	9,376,627	9,116,275	9,190,282	6,690,820
188,294	211,559	235,686	217,466	205,645	211,510	209,023	218,902	218,606	220,560	220,745	225,211
1,010,875	1,025,841	992,939	858,127	673,285	551,218	442,657	364,967	264,078	176,321	289,125	221,389
7,520	7,024	9,160	6,524	3,839	1,746	4,130	1,591	1,461	1,778	1,976	1,297
139,997	119,402	130,914	271,697	150,970	359,912	366,234	378,295	372,262	320,642	305,270	295,989
2,111,114	8,756,485	8,277,102	7,703,934	7,236,944	6,059,970	7,561,140	6,346,295	9,165,515	10,070,638	10,287,326	10,332,537
1,237,091	1,210,477	1,109,721	624,574	655,255	724,380	1,182,058	1,231,465	914,597	1,007,118	1,000,626	1,162,591
163,148	379,110	342,917	155,513	259,551	279,225	143,156	122,431	236,033	223,332	227,798	51,962
3,592,813	2,937,949	2,548,336	1,750,548	2,398,971	2,355,909	2,511,246	2,671,422	2,514,378	2,664,642	4,038,190	3,675,666
380,441	164,484	150,726	159,372	122,176	233,050	209,770	304,084	318,120	372,102	494,671	316,987
4,692,510	5,090,863	5,495,594	5,456,829	5,402,691	5,837,419	5,819,046	5,779,061	5,811,182	6,386,777	6,558,087	6,377,975
1,724,662	2,217,481	1,733,479	1,929,439	2,909,266	1,925,870	741,678	558,107	577,152	456,335	441,704	419,012
8,730,247	9,461,320	10,250,239	9,368,089	8,906,567	8,671,281	9,029,147	8,667,883	8,086,044	7,644,755	8,659,668	8,370,517
55,204	57,302	54,579	57,451	63,683	87,562	83,620	100,897	77,665	102,711	84,713	89,209
46,190	67,778	64,931	79,022	33,230	40,699	35,489	39,215	38,304	21,351	33,787	28,008
84,537	87,463	87,849	89,810	96,686	96,374	92,700	92,635	144,102	160,956	164,001	163,475
638,000	641,500	637,141	732,569	750,021	753,494	780,606	774,163	747,941	762,854	764,189	706,416
44,700	45,281	46,942	47,210	55,377	57,092	54,787	62,222	62,584	64,195	66,498	63,849

Fuente: INEGI.

Notas:

Arena sílica incluye arena para vidrio, cuarzo y silicosos.
Azufre Incluye la extracción minera y el obtenido en la refinación de petróleo crudo.

VOLUMEN DE LA PRODUCCIÓN MINERO-METALÚRGICA NACIONAL DURANTE EL PERIODO 2003-2023 (Toneladas)

PRODUCTOS	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
METALES PRECIOSOS										
Oro (Kg)	22,177	21,824	26,782	35,899	39,355	50,365	51,393	72,596	84,118	96,650
Plata (Kg)	2,945,710	2,569,477	2,565,586	2,413,147	2,351,570	2,668,028	2,693,265	3,499,470	4,150,347	4,496,393
METALES INDUSTRIALES NO FERROSOS										
Plomo	144,297	110,931	121,669	120,450	89,838	100,725	100,361	158,206	182,202	210,382
Cobre	303,765	352,286	373,252	327,536	335,502	268,620	227,750	237,609	402,430	439,531
Zinc	412,255	374,428	427,061	432,347	426,509	397,306	384,478	518,429	447,948	500,125
Antimonio	434	503	565	778	414	380	74	71	5	0
Arsénico	1,729	1,828	1,664	1,595	513	ND	0	0	0	0
Bismuto	1,064	1,014	970	1,186	1,170	1,132	854	982	935	800
Estaño	21	24	17	25	19	15	0	0	0	0
Cadmio	1,638	1,618	1,627	1,399	1,605	1,550	1,510	1,464	1,485	1,482
Selenio	0	0	0	0	0	0	0	62	95	95
Titanio	0	0	0	0	0	0	0	0	0	0
METALES Y MINERALES SIDERÚRGICOS										
Coque	1,462,106	1,445,052	1,491,847	1,569,561	1,536,325	1,547,391	1,315,444	1,648,439	2,121,866	2,166,046
Hierro (Pellets)	6,759,198	6,889,538	7,012,306	6,589,586	7,323,121	7,725,959	7,073,440	7,931,194	7,763,048	8,047,183

2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
97,967	98,166	123,364	116,924	100,989	91,237	73,451	71,703	80,989	83,481	70,059
4,860,923	4,729,407	4,959,383	4,109,608	4,000,075	3,694,009	3,498,483	3,809,144	4,175,955	3,941,329	3,593,209
200,362	196,746	212,964	159,044	165,654	131,759	149,054	176,249	182,230	142,774	134,355
409,172	452,419	485,528	490,999	463,349	473,612	486,903	491,926	472,767	486,076	508,804
420,915	449,146	454,626	384,248	401,479	381,521	325,276	394,254	395,066	319,438	282,974
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
824	948	601	539	513	333	251	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
1,451	1,409	1,283	1,244	1,142	1,307	952	978	1,051	1,174	1,021
132	120	99	121	112	107	127	106	135	141	139
0	0	0	0	0	0	0	0	0	0	0
2,216,314	2,229,899	1,778,725	1,368,136	1,295,342	1,180,415	990,979	696,595	484,223	479,800	0
8,093,547	7,855,096	7,581,577	6,969,582	6,927,642	7,085,389	7,140,873	5,859,462	6,807,477	6,799,766	5,347,079

Fuente: INEGI.

Notas:

ND = Información No disponible.

Año con mayor producción en el periodo

VALOR MENSUAL DE LA PRODUCCIÓN MINERO-METALÚRGICA 2023 (Miles de pesos a precios corrientes)

PRODUCTOS	ENE	FEB	MAR	ABR	MAY
TOTAL	25,831,275.0	24,194,892.8	26,807,969.5	23,736,326.2	22,633,808.8
MINERALES PRECIOSOS	12,540,763.8	11,710,662.0	12,885,621.6	11,143,799.0	11,230,233.2
Oro	7,871,646.3	7,394,869.1	8,470,887.3	6,078,561.8	6,405,050.7
Plata	4,669,117.5	4,315,792.9	4,414,734.3	5,065,237.2	4,825,182.5
MINERALES INDUSTRIALES NO FERROSOS	10,576,261.0	10,047,063.8	11,092,903.3	9,903,031.4	8,828,688.0
Plomo	616,904.7	569,830.1	440,623.6	663,856.2	553,269.5
Cobre	7,448,445.0	7,045,926.4	7,043,841.3	6,859,313.1	6,339,806.4
Zinc	1,791,299.4	1,783,163.1	2,791,949.2	1,668,173.6	1,302,474.3
Bismuto	0.0	0.0	0.0	0.0	0.0
Cadmio	5,520.8	5,114.8	4,826.9	4,510.4	3,324.6
Selenio	4,395.9	4,646.5	4,671.0	4,198.4	4,093.9
Molibdeno	709,695.1	638,382.8	806,991.3	702,979.7	625,719.3
MINERALES SIDERÚRGICOS	818,556.4	630,229.2	791,552.0	825,891.6	800,219.1
Carbón No Coquizable	20,243.4	19,992.6	20,263.5	21,446.1	21,942.1
Coque	0.0	0.0	0.0	0.0	0.0
Fierro	716,103.9	595,293.2	664,241.3	714,620.7	692,856.4
Manganeso	82,209.0	14,943.4	107,047.2	89,824.8	85,420.6
MINERALES NO METÁLICOS	1,895,693.9	1,806,937.9	2,037,892.5	1,863,604.2	1,774,668.4
Azufre	44,604.0	36,635.8	42,073.4	67,741.5	48,927.5
Grafito	0.0	1,092.3	1,793.3	457.0	1,251.9
Barita	94,504.8	96,364.5	97,716.5	87,233.8	85,247.8
Dolomita	184,279.6	175,074.6	185,021.4	186,957.0	201,363.2
Fluorita	505,935.7	424,564.3	599,887.9	591,710.1	470,445.9
Caolín	13,911.2	13,620.6	13,766.2	13,993.2	14,033.9
Arena Sílica	190,912.7	184,127.4	184,399.6	180,751.6	178,216.3
Yeso	86,071.5	83,402.9	88,235.5	88,311.4	92,858.2
Fosforita	68,556.3	84,140.7	121,109.9	10,115.1	9,654.0
Wollastonita	23,020.4	25,311.8	27,074.7	25,055.1	27,812.4
Celestita	2,142.7	3,197.7	2,939.5	2,637.3	3,873.5
Feldespató	21,574.1	20,458.7	19,990.6	20,371.6	20,522.5
Sal	280,936.8	280,668.3	293,314.4	229,539.6	298,085.5
Diatomita	50,529.9	50,363.3	49,752.4	47,912.7	47,605.1
Sulfato de Sodio	315,394.9	302,587.3	282,380.7	282,380.7	244,734.0
Sulfato de Magnesio	13,319.1	25,327.8	28,436.4	28,436.4	30,036.6

JUN	JUL	AGO	SEP	OCT	NOV	DIC	TOTAL
20,096,977.5	18,997,002.4	19,597,552.4	19,237,587.2	20,174,666.1	20,475,720.1	19,277,174.4	261,060,952.4
9,420,839.7	8,794,417.6	9,122,179.3	9,150,882.7	9,665,452.1	10,193,128.2	9,582,879.5	125,440,858.7
5,790,941.3	5,326,968.1	5,718,419.3	5,802,639.3	6,063,914.3	6,402,893.5	6,167,980.6	77,494,771.6
3,629,898.4	3,467,449.5	3,403,760.0	3,348,243.5	3,601,537.8	3,790,234.7	3,414,898.9	47,946,087.1
7,998,004.5	7,761,638.4	7,865,020.7	7,572,378.0	8,029,369.1	7,764,453.1	7,112,766.5	104,551,577.8
335,702.9	289,817.1	300,097.6	370,515.2	349,018.7	402,547.1	320,922.3	5,213,105.1
6,232,222.9	6,094,630.8	6,156,810.3	5,847,589.6	6,170,130.6	5,675,521.3	5,388,869.8	76,303,107.6
763,154.6	658,764.4	649,971.8	657,019.1	832,705.1	1,026,134.9	730,529.2	14,655,338.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3,987.0	4,398.7	3,369.7	3,742.7	4,336.4	3,646.7	3,699.8	50,478.5
3,974.4	4,271.6	4,305.7	4,374.5	4,533.2	3,960.5	3,906.5	51,332.1
658,962.6	709,755.8	750,465.7	689,136.9	668,645.0	652,642.5	664,839.0	8,278,215.8
769,048.4	730,617.4	691,069.8	703,202.6	742,565.7	666,643.3	707,881.4	8,877,476.9
22,398.1	21,805.1	20,381.9	19,956.1	20,188.1	20,533.3	20,707.5	249,857.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
670,193.5	636,777.9	647,258.7	617,098.9	649,217.3	572,646.3	615,367.4	7,791,675.6
76,456.9	72,034.4	23,429.2	66,147.6	73,160.3	73,463.8	71,806.5	835,943.6
1,909,084.9	1,710,328.9	1,919,282.6	1,811,123.9	1,737,279.2	1,851,495.5	1,873,647.1	22,191,039.1
41,650.2	33,674.0	39,551.4	28,850.4	27,649.8	33,305.8	18,841.4	463,505.3
1,073.3	177.9	654.3	1,105.3	273.1	253.9	127.1	8,259.4
63,702.6	61,396.1	56,159.4	65,978.2	48,723.0	50,619.6	45,030.7	852,677.2
202,014.3	205,524.0	213,801.8	200,556.8	195,435.7	194,443.4	195,011.6	2,339,483.5
468,201.5	442,578.4	571,953.8	509,485.9	459,096.8	596,539.8	587,960.9	6,228,361.1
14,075.4	14,140.6	14,293.3	14,382.2	14,410.0	14,503.3	14,737.5	169,867.4
184,289.3	170,168.8	182,097.2	198,024.1	199,592.8	200,375.6	200,227.9	2,253,183.3
94,816.3	93,002.9	87,215.0	87,978.8	90,610.3	86,107.8	84,245.8	1,062,856.5
158,948.3	53,137.2	61,038.1	79,719.6	11,902.0	67,775.6	88,246.7	814,343.5
21,613.4	36,098.6	29,406.1	29,423.1	35,410.1	19,023.4	20,231.8	319,480.9
1,937.4	1,851.8	2,898.7	654.3	1,614.7	1,299.1	825.3	25,872.2
21,767.2	22,999.0	24,198.1	24,875.6	25,303.1	25,661.7	25,520.4	273,242.8
312,643.2	315,163.1	290,497.1	285,444.1	291,080.4	227,679.5	269,785.9	3,374,838.1
47,203.4	47,702.9	48,866.5	49,751.8	50,316.8	50,794.2	51,002.3	591,801.3
245,637.7	184,131.2	270,844.0	219,179.0	261,510.7	259,368.7	249,251.0	3,117,400.0
29,511.5	28,582.4	25,807.6	15,714.5	24,349.6	23,744.0	22,600.8	295,866.6

Fuente: INEGI.

Notas:

El valor de la producción para los metales excepto el arsénico, el bismuto, el selenio y el pellet de hierro, se obtienen con las cotizaciones internacionales; para los minerales no metálicos el valor de la producción se obtiene de los precios del mercado nacional.

La suma de los parciales puede no coincidir con los totales debido al redondeo.

VOLUMEN MENSUAL DE LA PRODUCCIÓN MINERO-METALÚRGICA 2023 (Toneladas)

PRODUCTOS	ENE	FEB	MAR	ABR	MAY
MINERALES PRECIOSOS ^{a/}					
Oro (Kg)	6,788	6,650	7,471	5,229	5,632
Plata (Kg)	320,953	327,310	339,904	348,530	349,726
MINERALES INDUSTRIALES NO FERROSOS ^{a/}					
Plomo	14,672	14,583	11,332	17,066	14,936
Cobre	43,543	42,236	43,505	43,024	42,835
Zinc	28,688	30,487	36,533	33,260	28,814
Bismuto	0	0	0	0	0
Cadmio	97	100	106	94	69
Selenio	12	12	12	11	11
Molibdeno	1,394	1,242	1,614	1,499	1,315
MINERALES SIDERÚRGICOS					
Carbón No Coquizable b/	34,569	34,283	34,812	36,351	36,611
Coque b/	0	0	0	0	0
Pellets de Fierro a/	406,299	363,636	421,708	466,688	466,913
Manganeso a/	20,511	3,175	22,898	21,255	22,097
MINERALES NO METÁLICOS ^{b/}					
Azufre c/	22,185	18,055	19,878	25,627	20,558
Grafito	0	169	282	72	197
Barita	30,667	32,318	32,771	31,051	30,344
Dolomita	824,425	806,383	816,911	817,831	885,627
Fluorita	98,351	99,430	100,771	97,347	95,892
Caolín	4,292	4,203	4,194	4,264	4,276
Arena Sílica	311,440	300,371	300,815	294,864	290,728
Yeso	513,642	498,675	529,943	530,399	557,707
Fosforita	35,518	43,592	45,766	5,567	5,510
Wollastonita	6,059	6,685	7,751	8,060	8,962
Celestita	2,555	3,813	3,370	2,519	3,769
Feldespató	25,028	23,734	23,191	23,633	23,808
Sal	673,325	681,462	723,999	576,540	753,350
Diatomita	13,956	13,910	13,740	13,240	13,151
Sulfato de Sodio	66,966	60,234	66,655	66,655	55,689
Sulfato de Magnesio	5,199	4,783	6,043	6,043	6,182

JUN	JUL	AGO	SEP	OCT	NOV	DIC	TOTAL
5,369	5,025	5,454	5,449	5,465	5,771	5,756	70,059
279,593	265,227	265,036	259,336	278,118	290,520	268,956	3,593,209
9,194	8,130	8,216	8,167	9,064	10,567	8,428	134,355
43,073	42,676	43,422	42,910	43,045	39,914	38,621	508,804
18,687	16,238	15,981	15,247	18,832	23,191	17,016	282,974
0	0	0	0	0	0	0	0
74	86	74	78	90	76	77	1,021
11	12	12	12	12	11	11	139
1,434	1,569	1,675	1,497	1,395	1,407	1,456	17,497
36,991	35,892	33,832	33,054	33,185	34,107	35,046	418,733
0	0	0	0	0	0	0	0
470,512	462,775	476,343	452,793	462,774	428,262	468,376	5,347,079
21,184	20,803	6,958	19,991	20,979	22,565	22,795	225,211
18,896	15,340	17,902	14,033	13,765	16,447	18,703	221,389
169	28	103	174	43	40	20	1,297
22,675	21,854	19,990	23,485	17,343	17,591	15,900	295,989
886,090	902,704	938,427	880,589	857,957	856,458	859,135	10,332,537
94,937	93,041	95,039	96,138	95,379	97,780	98,486	1,162,591
4,294	4,307	4,357	4,409	4,418	4,441	4,507	51,962
300,635	277,600	297,059	323,041	325,600	326,877	326,636	3,675,666
569,467	558,576	523,814	528,401	544,206	517,164	505,981	6,377,975
90,451	30,283	34,760	42,816	6,481	30,485	47,783	419,012
6,174	9,624	9,453	9,426	8,870	5,295	2,850	89,209
2,181	1,933	3,140	700	1,702	1,414	912	28,008
25,252	26,681	28,072	28,858	29,354	29,770	29,606	316,987
787,699	795,276	732,467	708,956	728,404	556,040	652,999	8,370,517
13,042	13,179	13,501	13,744	13,898	14,028	14,086	163,475
58,156	53,457	65,379	51,320	52,770	54,108	55,027	706,416
6,008	6,063	5,964	3,504	4,680	4,812	4,568	63,849

Fuente INEGI.

Notas:

a/ Contenido metálico.

b/ Volumen del mineral.

c/ Obtenido en la refinación del petróleo crudo.

PRECIOS NACIONALES E INTERNACIONALES 2023 ^{P/}

PRODUCTOS	UNIDAD MEDIDA	ENE	FEB	MAR	ABR	MAY
MINERALES PRECIOSOS						
Oro	Dls * Oz. Tr	1,896.712500	1,857.265789	1,917.873810	1,998.841667	1,993.097727
Plata	Dls * Oz. Tr	23.793500	22.023158	21.968810	24.990833	24.178182
MINERALES INDUSTRIALES NO FERROSOS						
Plomo	Dls * Lib	1.002900	0.951789	0.959143	0.975500	0.946682
Cobre	Dls * Lib	4.080150	4.063474	3.993857	3.998111	3.782500
Zinc	Dls * Lib	1.489350	1.424684	1.885143	1.257778	1.155227
Bismuto	\$ * Kg	30.250732	32.213232	33.216482	32.714857	32.965669
Cadmio	\$ * Kg	56.915800	51.147797	45.537147	47.982846	48.181963
Selenio	Dls * Lib	8.737724	9.431723	9.601765	9.571485	9.511388
Molibdeno	Dls * Lib	12.143333	12.519926	12.333531	11.760510	12.160615
MINERALES SIDERÚRGICOS						
Carbón No Coquizable	\$ * Kg	0.585595	0.583163	0.582083	0.589973	0.599330
Coque	\$ * Kg	5.659098	3.711541	3.645831	3.711875	3.728686
Fierro	\$ * Kg	1.762505	1.637058	1.575122	1.531260	1.483909
Manganeso	Dls * Kg	0.210760	0.252740	0.254230	0.233640	0.217800
MINERALES NO METÁLICOS						
Azufre	\$ * Kg	2.010549	2.029124	2.116580	2.643365	2.379973
Grafito	\$ * Kg	6.334640	6.463025	6.359390	6.347251	6.354773
Barita	\$ * Kg	3.081646	2.981759	2.981797	2.809371	2.809380
Dolomita	\$ * Kg	0.223525	0.217111	0.226489	0.228601	0.227368
Fluorita	\$ * Kg	5.144185	4.269982	5.952982	6.078360	4.905997
Caolín	\$ * Kg	3.241203	3.240674	3.282345	3.281701	3.282023
Arena Sílica	\$ * Kg	0.613000	0.613000	0.613000	0.613000	0.613000
Yeso	\$ * Kg	0.167571	0.167249	0.166500	0.166500	0.166500
Fosforita	\$ * Kg	1.930186	1.930186	2.646285	1.816983	1.752085
Wollastonita	\$ * Kg	3.799372	3.786355	3.493059	3.108577	3.103371
Celestita	\$ * Kg	0.838634	0.838634	0.872268	1.046956	1.027730
Feldespató	\$ * Kg	0.862000	0.862000	0.862000	0.862000	0.862000
Sal	\$ * Kg	0.417238	0.411862	0.405131	0.398133	0.395680
Diatomita	\$ * Kg	3.620655	3.620655	3.620993	3.618783	3.619888
Sulfato de Sodio	\$ * Kg	4.709777	5.023530	4.236452	4.236452	4.394656
Sulfato de Magnesio	\$ * Kg	2.561851	5.295373	4.705675	4.705675	4.858721
Dólar	\$ * Dls	19.017100	18.622200	18.388700	18.087900	17.748900

JUN	JUL	AGO	SEP	OCT	NOV	DIC	TOTAL
1,942.578571	1,948.407143	1,921.952273	1,916.263889	1,911.537500	1,982.226316	1,936.658865	1,935.284671
23.383810	24.026667	23.540727	23.233611	22.309750	23.307895	22.947085	23.308669
0.959095	0.955429	0.976409	1.190611	0.967450	0.992526	1.003622	0.990096
3.800571	3.827619	3.790318	3.576389	3.601400	3.704737	3.677638	3.824730
1.072714	1.087333	1.087227	1.130889	1.110950	1.152821	1.131553	1.248806
32.840263	32.902966	32.871615	32.887291	32.879453	32.659992	32.918642	32.610100
53.878171	51.147797	45.537147	47.982846	48.181963	47.982846	48.049218	49.377128
9.490603	9.540470	9.591544	9.566982	9.491302	9.380618	9.360187	9.439649
12.070427	12.124142	11.976936	12.081201	12.042623	12.085319	12.035106	12.111139
0.605500	0.607521	0.602444	0.603742	0.608351	0.602027	0.590866	0.596716
3.696007	3.665597	3.665935	3.722647	3.851020	4.043783	4.115095	3.934760
1.424392	1.375999	1.358808	1.362872	1.402882	1.337140	1.313832	1.463815
0.209000	0.204600	0.198440	0.191440	0.193160	0.187000	0.183040	0.211321
2.204182	2.195178	2.209331	2.055897	2.008701	2.025038	1.007401	2.073777
6.351012	6.352893	6.351953	6.352423	6.352188	6.348625	6.354369	6.360212
2.809376	2.809378	2.809377	2.809378	2.809378	2.877587	2.832118	2.868379
0.227984	0.227676	0.227830	0.227753	0.227792	0.227032	0.226986	0.226346
4.931707	4.756810	6.018096	5.299527	4.813395	6.100837	5.969995	5.353489
3.277915	3.283178	3.280547	3.262006	3.261649	3.265773	3.269922	3.269078
0.613000	0.613000	0.613000	0.613000	0.613000	0.613000	0.613000	0.613000
0.166500	0.166500	0.166500	0.166500	0.166500	0.166500	0.166500	0.166652
1.757286	1.754686	1.755986	1.861912	1.836451	2.223245	1.846822	1.926009
3.500709	3.750891	3.110772	3.121484	3.992122	3.592716	7.098861	3.788191
0.888298	0.958014	0.923156	0.934741	0.948728	0.918742	0.904951	0.925071
0.862000	0.862000	0.862000	0.862000	0.862000	0.862000	0.862000	0.862000
0.396907	0.396294	0.396601	0.402626	0.399614	0.409466	0.413149	0.403558
3.619336	3.619612	3.619474	3.619890	3.620435	3.620915	3.620781	3.620118
4.223772	3.444473	4.142676	4.270831	4.955670	4.793537	4.529612	4.413453
4.912036	4.714230	4.327231	4.484737	5.202909	4.934326	4.947637	4.637533
17.268800	16.924200	16.968500	17.284100	18.054000	17.409900	17.209900	17.748683

Fuente INEGI.

COTIZACIONES DE LOS PRINCIPALES METALES 1993-2023

Año	Oro ^{1/}	Plata ^{1/}	Cobre ^{2/}	Plomo ^{2/}	Zinc ^{2/}
1993	359.78	4.24	90.16	18.43	46.16
1994	384.00	5.37	110.23	24.85	49.23
1995	384.15	5.20	138.33	28.62	53.40
1996	386.61	5.20	109.04	35.12	51.11
1997	331.02	4.90	106.67	28.31	64.56
1998	294.16	5.53	75.91	23.98	51.43
1999	278.11	5.24	72.08	22.80	53.47
2000	279.02	4.97	83.71	20.59	55.23
2001	270.98	4.38	72.56	21.60	43.40
2002	309.90	4.60	70.00	20.50	35.30
2003	363.50	4.88	80.70	23.40	37.60
2004	409.20	6.65	130.00	40.20	47.50
2005	444.90	7.31	166.90	44.30	62.70
2006	604.30	11.57	304.90	58.50	148.60
2007	696.70	13.39	322.90	117.00	147.10
2008	871.70	15.02	315.50	94.80	85.00
2009	972.80	14.65	233.60	78.00	75.10
2010	1,224.70	20.16	341.80	97.50	98.00
2011	1,568.60	35.11	400.10	108.90	99.50
2012	1,668.80	31.15	360.60	93.54	88.40
2013	1,411.00	23.83	333.10	97.70	87.10
2014	1,265.58	19.08	311.20	95.10	98.10
2015	1,160.10	15.70	249.60	81.00	87.70
2016	1,249.00	17.14	220.80	84.70	95.016
2017	1257.86	17.05	279.68	105.12	131.36
2018	1268.93	15.71	295.88	101.72	132.54
2019	1393.71	16.21	272.14	90.70	115.50
2020	1,770.07	20.55	280.35	82.81	102.83
2021	1,799.00	25.15	422.63	100.00	136.30
2022	1,800.09	21.76	399.03	97.53	157.77
2023	1,932.78	23.39	384.54	96.99	120.05

Fuente Metals Week, LME y Cochilco.

Notas:

- 1/ Dólares por onza.
- 2/ Centavos de dólar por libra.

RESUMEN DE LA PRODUCCIÓN MINERA POR ENTIDAD, PRINCIPALES PRODUCTOS, 2023 ^{1/}

ESTADO	ORO (Kg)	PLATA (Kg)	PLOMO (Tons)	COBRE (Tons)	ZINC (Tons)	FIERRO (Tons)
TOTAL	139,157.30	5,656,506	182,996	699,118	583,562	6,690,820
AGUASCALIENTES	1,302.80	78,160	2,964	367	8,163	0
BAJA CALIFORNIA	552.5	7,073	0	0	0	0
BAJA CALIFORNIA SUR	0	0	0	13,880	0	0
COAHUILA DE ZARAGOZA	0	0	0	0	0	1,283,379
COLIMA						2,706,068
CHIHUAHUA	19,130.60	1,255,931	15,040	14,960	68,025	54,572
DURANGO	18,936.50	1,285,236	22,886	6,994	107,538	226,591
GUANAJUATO	1,355.70	33,757	0	0	0	0
GUERRERO	21,362.50	49,375	4,339	0	20,043	163
HIDALGO	0	41,412	5,786	1,974	16,617	0
JALISCO	171.1	36,021	5,977	0	947	0
ESTADO DE MÉXICO	1,150.90	186,827	9,120	1,332	41,592	0
MICHOACÁN DE OCAMPO	242.9	988	0	36	0	2,352,575
NAYARIT	13.6	6,026	0	0	0	0
OAXACA	1,890.10	294,203	5,126	1,286	17,213	0
PUEBLA	0.00	0	0	0	0	66,413
QUERÉTARO	267.3	1,460	0	0	0	0
SAN LUIS POTOSÍ	3,017.80	125,262	219	28,584	26,832	0
SINALOA	466.4	38,441	938	629	2,114	0
SONORA	35,654.70	541,280	0	560,898	20,132	1,059
ZACATECAS	33,641.90	1,675,054	110,601	68,178	254,346	0

Fuente: INEGI.

Notas:

La suma de los parciales puede no coincidir con los totales debido al redondeo.

1/ Contenido metálico

RESUMEN DE LA PRODUCCIÓN MINERA POR ENTIDAD Y MUNICIPIO, PRINCIPALES PRODUCTOS, 2023 ^{1/}

ESTADO Y MUNICIPIO	ORO (Kg)	PLATA (Kg)	PLOMO (Tons)	COBRE (Tons)	ZINC (Tons)
TOTAL	139,157.3	5,656,506	182,996	699,118	583,562
AGUASCALIENTES	1,302.8	78,160	2,964	367	8,163
Asientos	1,302.8	78,160	2,964	367	8,163
BAJA CALIFORNIA	552.5	7,073	0	0	0
Mexicali	552.5	7,073	-	-	-
BAJA CALIFORNIA SUR	0.0	0	0	13,880	0
Mulegé	-	-	-	13,880	0
COAHUILA DE ZARAGOZA	0.0	0	0	0	0
Ocampo	0.0	0	-	-	-
CHIHUAHUA	19,130.6	1,255,931	15,040	14,960	68,025
Aquiles Serdán	-	-	-	-	-
Ascensión	6.0	0	118	0	0
Cusihuirachi	56.2	59,311	403	-	76
Chínipas	3,434.8	249,549	-	-	-
Guadalupe y Calvo	1,963.0	452,311	9,752	-	32,580
Guazapares	-	143,602	-	-	-
Hidalgo del Parral	64.2	2,452	-	-	-
Madera	4,400.1	178,043	-	-	-
Matamoros	-	-	151	-	-
Ocampo	4,473.8	99,473	-	-	-
San Francisco del Oro	23.3	17,558	4,616	1,142	9,465
Santa Bárbara	79.4	2,547	0	2,126	25,904
Temósachic	41.2	49	-	-	-
Urique	4,588.6	51,036	-	11,692	0
DURANGO	18,936.5	1,285,236	22,886	6,994	107,538
Canelas	-	854	12	-	-
Cuencamé	121.1	11,082	2,806	2,594	80,668
Guanaceví	1,116.2	372,661	1,034	17	2,184
Mapimí	435.0	10,037	7,673	2,467	9,441
Nombre de Dios	-	-	-	-	-
Otáez	2,282.1	334,305	-	-	-
Pánuco de Coronado	242.8	20,286	-	1,916	-
San Dimas	2,386.0	197,059	-	-	-
San Juan del Río	9,926.6	-	-	-	-
Santiago Papasquiaro	2,306.7	279,092	7,798	-	11,227
Tepehuanes	78.1	29,281	60	-	156
Topía	41.9	30,579	3,503	-	3,862

RESUMEN DE LA PRODUCCIÓN MINERA POR ENTIDAD Y MUNICIPIO, PRINCIPALES PRODUCTOS, 2023 ^{1/}

ESTADO Y MUNICIPIO	ORO (Kg)	PLATA (Kg)	PLOMO (Tons)	COBRE (Tons)	ZINC (Tons)
GUANAJUATO	1,355.7	33,757	0	0	0
Guanajuato	1,355.7	33,757	-	-	-
GUERRERO	21,362.5	49,375	4,339	0	20,043
Cocula	15,936.9	5,171	-	-	-
Eduardo Neri	4,953.9	4,351	-	-	-
HIDALGO	0.0	41,412	5,786	1,974	16,617
Mineral del Chico	0.0	0	-	-	-
Pachuca de Soto	0.0	0	-	-	-
Zimapán	-	41,412	5,786	1,974	16,617
JALISCO	171.1	36,021	5,977	0	947
Bolaños	160.7	29,671	5,977	-	947
Etzatlán	-	-	0	-	-
San Martín de Bolaños	-	-	-	-	-
San Sebastián del Oeste	10.4	6,350	-	-	-
MÉXICO	1,150.9	186,827	9,120	1,332	41,592
Zacazonapan	1,127.0	166,996	8,824	1,332	40,963
Zacualpan	23.9	19,831	296	-	629
MICHOACÁN DE OCAMPO	242.9	988	0	36	0
Arteaga	76.9	988	-	-	-
Churumuco	0.0	-	-	0	-
Huetamo	0.0	-	-	0	-
Turicato	166.0	-	-	36	-
NAYARIT	13.6	6,026	0	0	0
Compostela	0.0	-	-	-	-
Santa María del Oro	13.6	6,026	-	-	-
OAXACA	1,890.1	294,203	5,126	1,286	17,213
Ixtlán de Juárez	6.6	571	58	-	-
San José del Progreso	1,307.3	261,253	-	-	-
San Pedro Totolápan	576.2	32,379	5,068	1,286	17,213
QUERÉTARO	267.3	1,460	0	0	0
Colón	267.3	1,460	-	-	-
SAN LUIS POTOSÍ	3,017.8	125,262	219	28,584	26,832
Cerro de San Pedro	196.6	431	-	-	-
Charcas	1,928.2	39,125	219	2,791	26,832
Villa de la Paz	893.0	85,706	-	25,793	-

RESUMEN DE LA PRODUCCIÓN MINERA POR ENTIDAD Y MUNICIPIO, PRINCIPALES PRODUCTOS, 2023 ^{1/}

ESTADO Y MUNICIPIO	ORO (Kg)	PLATA (Kg)	PLOMO (Tons)	COBRE (Tons)	ZINC (Tons)
SINALOA	466.4	38,441	938	629	2,114
Concordia	94.4	9,540	-	-	-
Cosalá	25.4	26,001	938	629	2,114
Mocorito	148.9	507	-	-	-
Rosario	197.7	2,393	-	-	-
SONORA	35,654.7	541,280	0	560,898	20,132
Alamos	-	-	-	18,832	-
Arizpe	1,692.6	156,022	-	-	-
Altar	57.1	130	-	-	-
Banámichi	3,205.0	55,213	-	-	-
Caborca	11,284.0	17,604	-	-	32
Cananea	1,355.5	145,221	-	416,513	-
La Colorada	5,326.9	91,386	0	-	20,100
Cucurpe	3,176.6	7,463	-	-	-
Magdalena	1,435.9	-	-	-	-
Nacozari de García	191.9	64,906	-	111,003	-
Sahuaripa	6,558.1	2,726	-	-	-
San Javier	-	-	-	-	-
Santa Ana	1,371.1	609	-	-	-
Santa Cruz	-	-	-	14,550	-
ZACATECAS	33,641.9	1,675,054	110,601	68,178	254,346
Concepción del Oro	630.1	11,549	-	9,887	-
Chalchihuites	118.9	131,373	7,170	-	7,400
Fresnillo	23,004.0	732,680	37,629	-	66,586
General Pánfilo Natera	-	39,821	215	-	139
Jerez	15.2	1,109	12	29	-
Mazapil	8,861.7	583,435	55,062	24,739	143,981
Melchor Ocampo	-	48	-	-	-
Miguel Auza	-	3,483	3,151	-	2,816
Morelos	19.4	45,470	1,224	25,096	3,026
Ojocaliente	414.7	59	-	-	-
Sombrerete	69.2	120,013	5,556	8,415	29,574
Vetagrande	-	75	570	-	824
Villanueva	4.8	278	12	12	-
Zacatecas	503.9	5,661	-	-	-

Fuente: INEGI.

Notas:

1/ Contenido metálico.

Las sumas de los parciales pueden no coincidir con los totales debido al redondeo.



TRANSFORMACIÓN EN EQUILIBRIO



RESUMEN DE LA PRODUCCIÓN MINERA POR ENTIDAD Y MUNICIPIO, 2023 ^{A/ B/}

ESTADO Y MUNICIPIO	Barita	Caolín	Carbón		Celestita	Coque	Diatomita	Dolomita	Fierro	
			No Coquizable	Todo Uno					Mina ^{2/}	Pellets ^{3/}
Total en toneladas	295,989	51,962	418,733	652,029	28,008	0	163,475	10,332,537	6,690,820	5,347,079
BAJA CALIFORNIA	0	0	0	0	0	0	0	0	0	0
Ensenada	-	-	-	-	-	-	-	-	-	-
BAJA CALIFORNIA SUR	0	0	0	0	0	0	0	0	0	0
Mulegé	-	-	-	-	-	-	-	-	-	-
La Paz	-	-	-	-	-	-	-	-	-	-
COAHUILA DE ZARAGOZA	14,353	0	418,733	652,029	28,008	0	0	1,124,907	1,283,379	0
Abasolo	-	-	526	526	-	-	-	-	-	-
Acuña	-	-	-	-	-	-	-	-	-	-
Castaños	-	-	-	-	-	-	-	618,212	-	-
Cuatro Ciénegas	-	-	-	-	-	-	-	-	-	-
Escobedo	-	-	956	956	-	-	-	-	-	-
Hidalgo	-	-	-	-	-	-	-	-	-	-
Juárez	-	-	4,147	4,147	-	-	-	-	-	-
Matamoros	-	-	-	-	-	-	-	-	-	-
Monclova	-	-	0	0	-	0	-	-	-	0
Múzquiz	13,825	-	52,095	281,689	-	-	-	-	-	-
Nava	-	-	110,671	110,671	-	-	-	-	-	-
Ocampo	-	-	-	-	-	-	-	23,079	-	-
Parras	528	-	-	-	-	-	-	-	-	-
Progreso	-	-	66,717	60,386	-	-	-	-	-	-
Ramos Arizpe	-	-	-	-	-	-	-	220,932	-	-
Sabinas	-	-	144,197	139,753	-	-	-	-	-	-
San Juan de Sabinas	-	-	39,424	53,901	-	0	-	-	-	-
San Pedro	-	-	-	-	28,008	-	-	-	255	-
Sierra Mojada	-	-	-	-	-	-	-	262,684	1,283,124	-
COLIMA	0	0	0	0	0	0	0	0	2,706,068	4,044,701
Armería	-	-	-	-	-	-	-	-	-	-
Colima	-	-	-	-	-	-	-	-	170,690	-
Cuahtémoc	-	-	-	-	-	-	-	-	-	1,565,759
Manzanillo	-	-	-	-	-	-	-	-	-	2,478,942
Minatitlán	-	-	-	-	-	-	-	-	2,535,378	-
Tecomán	-	-	-	-	-	-	-	0	-	-
CHIHUAHUA	3,863	5,159	0	0	0	0	0	8,739,832	54,572	0
Camargo	-	-	-	-	-	-	-	-	54,572	-
Chihuahua	-	3,801	-	-	-	-	-	4,693,525	-	-
Guadalupe	-	-	-	-	-	-	-	-	-	-
Jiménez	-	1,358	-	-	-	-	-	-	-	-
Juárez	-	-	-	-	-	-	-	4,046,307	-	-
Julimes	3,863	-	-	-	-	-	-	-	-	-
DURANGO	0	390	0	0	0	0	0	0	226,591	0
Durango	-	-	-	-	-	-	-	-	226,591	-
Indé	-	-	-	-	-	-	-	-	-	-
Peñón Blanco	-	390	-	-	-	-	-	-	-	-

Feldespato	Fluorita	Fosforita	Grafito	Manganeso	Molibdeno	Sal	Arena Silica	Wollastonita	Yeso	Sulfato de Sodio	Sulfato de Magnesio
316,987	1,162,591	419,012	1,297	225,211	17,497	8,370,517	3,675,666	89,209	6,377,975	706,416	63,849
0	0	0	0	0	0	861	0	0	0	0	0
-	-	-	-	-	-	861	-	-	-	-	-
0	0	345,045	0	0	0	6,570,660	0	0	3,017,577	0	0
-	-	-	-	-	-	6,570,660	-	-	3,017,577	-	-
-	-	345,045	-	-	-	-	-	-	-	-	-
0	20,122	0	0	0	0	0	1,616,617	0	200,518	706,416	63,849
-	-	-	-	-	-	-	-	-	-	-	-
-	20,122	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	3,019	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	1,616,617	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	28,190	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	0	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	0	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	169,309	-	-
-	-	-	-	-	-	-	-	-	-	706,416	63,849
0	0	0	0	0	0	16,184	0	0	98,064	0	0
-	-	-	-	-	-	9,638	-	-	-	-	-
-	-	-	-	-	-	-	-	-	0	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	6,546	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	98,064	-	-
0	0	0	0	0	0	0	0	0	87,049	0	0
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	3,965	-	-
-	-	-	-	-	-	-	0	-	-	-	-
-	-	-	-	-	-	-	-	-	83,084	-	-
-	-	-	-	-	-	-	-	-	-	-	-
0	369	0	0	0	0	0	0	0	0	0	0
-	-	-	-	-	-	-	-	-	-	-	-
-	369	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-

Feldespató	Fluorita	Fosforita	Grafito	Manganeso	Molibdeno	Sal	Arena Sílica	Wollastonita	Yeso	Sulfato de Sodio	Sulfato de Magnesio
316,987	1,162,591	419,012	1,297	225,211	17,497	8,370,517	3,675,666	89,209	6,377,975	706,416	63,849
0	0	0	0	0	0	0	0	0	0	0	0
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
0	0	0	0	0	0	40,486	0	0	2,975	0	0
-	-	-	-	-	-	-	-	-	2,975	-	-
-	-	-	-	-	-	40,486	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
0	0	73,967	0	199,865	0	0	0	0	0	0	0
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	192,216	-	-	-	-	-	-	-
-	-	73,967	-	-	-	-	-	-	-	-	-
-	-	-	-	7,649	-	-	-	-	-	-	-
156	0	0	0	0	0	0	0	0	19,504	0	0
-	-	-	-	-	-	-	-	-	89	-	-
-	-	-	-	-	-	-	-	-	-	-	-
156	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	19,331	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	84	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
0	0	0	0	0	0	0	0	0	319	0	0
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	319	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
0	0	0	0	0	0	0	0	0	0	0	0
-	-	-	-	-	-	-	-	-	-	-	-
0	0	0	0	0	0	0	0	0	16,157	0	0
-	-	-	-	-	-	-	-	-	16,157	-	-
0	0	0	0	0	0	273,323	0	0	1,445,011	0	0
-	-	-	-	-	-	-	-	-	-	-	-
-	-	0	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	273,323	-	-	318,922	-	-
-	-	-	-	-	-	-	-	-	1,126,089	-	-
0	0	0	0	0	0	4,081	0	0	0	0	0
-	-	-	-	-	-	788	-	-	-	-	-
-	-	-	-	-	-	2,211	-	-	-	-	-
-	-	-	-	-	-	272	-	-	-	-	-
-	-	-	-	-	-	397	-	-	-	-	-
-	-	-	-	-	-	413	-	-	-	-	-

RESUMEN DE LA PRODUCCIÓN MINERA POR ENTIDAD Y MUNICIPIO, 2023 ^{A/B/}

ESTADO Y MUNICIPIO	Barita	Caolín	Carbón		Celestita	Coque	Diatomita	Dolomita	Fierro	
			No Coquizable	Todo Uno					Mina ^{2/}	Pellets ^{3/}
Total en toneladas	295,989	51,962	418,733	652,029	28,008	0	163,475	10,332,537	6,690,820	5,347,071
PUEBLA	0	0	0	0	0	0	0	0	66,413	0
Ahuazotepec	-	-	-	-	-	-	-	-	-	-
Jolalpan	-	-	-	-	-	-	-	-	66,413	-
Izúcar de Matamoros	-	-	-	-	-	-	-	0	-	-
QUERÉTARO	0	27,503	0	0	0	0	0	0	0	0
Tequisquiapan	-	27,503	-	-	-	-	-	-	-	-
SAN LUIS POTOSÍ	0	0	0	0	0	0	0	0	0	0
Guadalcázar	-	-	-	-	-	-	-	-	-	-
San Nicolás Tolentino	-	-	-	-	-	-	-	-	-	-
Santa María del Río	-	-	-	-	-	-	-	0	-	-
Villa Juárez	-	-	-	-	-	-	-	-	-	-
Zaragoza	-	-	-	-	-	-	-	-	-	-
SINALOA	0	0	0	0	0	0	0	0	0	0
Ahome	-	-	-	-	-	-	-	-	-	-
Choix	-	-	-	-	-	-	-	-	-	-
Rosario	-	-	-	-	-	-	-	-	-	-
SONORA	120,606	0	0	0	0	0	0	0	1,059	0
Alamos	-	-	-	-	-	-	-	-	-	-
Baviácora	-	-	-	-	-	-	-	0	-	-
Cananea	-	-	-	-	-	-	-	-	-	-
Carbó	-	-	-	-	-	-	-	0	-	-
La Colorada	-	-	-	-	-	-	-	0	-	-
Hermosillo	-	-	-	-	-	-	-	0	-	-
Huásabas	-	-	-	-	-	-	-	0	-	-
Huatabampo	-	-	-	-	-	-	-	-	-	-
Nacoziari de García	-	-	-	-	-	-	-	-	-	-
Rosario	-	-	-	-	-	-	-	-	1,059	-
Soyopa	-	-	-	-	-	-	-	-	-	-
Villa Pesqueira	120,606	-	-	-	-	-	-	-	-	-
San Ignacio Río Muerto	-	-	-	-	-	-	-	-	-	-
VERACRUZ DE IGNACIO DE LA LLAVE	0	2,773	0	0	0	0	0	0	0	0
Huayacocotla	-	2,773	-	-	-	-	-	-	-	-
Ixhuatlán del Sureste	-	-	-	-	-	-	-	-	-	-
Jáltipan	-	-	-	-	-	-	-	-	-	-
Pánuco	-	-	-	-	-	-	-	-	-	-
San Juan Evangelista	-	-	-	-	-	-	-	-	-	-
YUCATÁN	0	0	0	0	0	0	0	0	0	0
Río Lagartos	-	-	-	-	-	-	-	-	-	-
NO DEFINIDO	0	0	0	0	0	0	0	0	0	0

	Feldespatos	Fluorita	Fosforita	Grafito	Manganeso	Molibdeno	Sal	Arena Silica	Wollastonita	Yeso	Sulfato de Sodio	Sulfato de Magnesio
9	316,987	1,162,591	419,012	1,297	225,211	17,497	8,370,517	3,675,666	89,209	6,377,975	706,416	63,849
	316,831	0	0	0	0	0	0	0	0	410,090	0	0
	316,831	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	410,090	-	-
	-	-	-	-	-	-	-	-	-	-	-	-
	0	0	0	0	0	0	0	0	0	0	0	0
	-	-	-	-	-	-	-	-	-	-	-	-
	0	1,142,100	0	0	0	0	0	0	0	929,645	0	0
	-	-	-	-	-	-	-	-	-	356,958	-	-
	-	-	-	-	-	-	-	-	-	136,053	-	-
	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	436,634	-	-
	-	1,142,100	-	-	-	-	-	-	-	-	-	-
	0	0	0	0	0	0	0	0	0	0	0	0
	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-
	0	0	0	1,297	0	17,497	256,584	4,281	89,209	151,066	0	0
	-	-	-	-	-	-	-	-	-	151,066	-	-
	-	-	-	-	-	-	8,940	-	-	-	-	-
	-	-	-	-	-	5,415	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	1,297	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	28,837	-	89,209	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	9,647	-	-	-	-	-
	-	-	-	-	-	12,082	-	4,281	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	0	-	-
	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	209,160	-	-	-	-	-
	0	0	0	0	25,346	0	1,133,476	2,054,768	0	0	0	0
	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	771,840	-	-	-	-	-
	-	-	-	-	-	-	361,636	1,411,019	-	-	-	-
	-	-	-	-	25,346	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	643,749	-	-	-	-
	0	0	0	0	0	0	25,107	0	0	0	0	0
	-	-	-	-	-	-	25,107	-	-	-	-	-
	0	0	0	0	0	0	49,755	0	0	0	0	0

Fuente: INEGI.

Notas:

^{A/} El Selenio se recupera a partir de 2010 con una producción de 131 toneladas. ^{B/} En el caso del Azufre, este se recupera en las Refinerías de Petróleo que se ubican en las siguientes entidades: **Chiapas** 0 tons., **Guanajuato** 13 352 tons., **Hidalgo** 3 212, **Nuevo León** 53 538 tons., **Oaxaca** 4 223 tons., **Tabasco** 115 394 tons., **Tamaulipas** 22 364 tons., y **Veracruz de Ignacio de la Llave** 9 306 tons. El **Total Nacional** es de **221 389** tons. ^{V/} Se considera como origen el lugar donde se encuentran ubicadas las Plantas Coquizadoras, ya que el origen del mineral utilizado como materia prima se registra en la producción Minera del Carbón ^{2/} Contenido Metálico en Producción de Mina ^{3/} Contenido Metálico en Producción de Pellets, considerando como origen el lugar donde se encuentran ubicadas las Plantas Pelletizadoras; ya que el origen del mineral utilizado se registra en la columna relativa a Producción de Mina

ÍNDICES MENSUALES DE VOLUMEN FÍSICO DE LA PRODUCCIÓN MINERO-METALÚRGICA 2023 (2013 = 100)

PRODUCTOS	ENE	FEB	MAR	ABR	MAY
TOTAL	84.8	83.3	89.5	82.1	82.3
MINERALES PRECIOSOS	81.4	81.2	88.1	74.0	76.9
Oro	83.1	81.5	91.5	64.1	69.0
Plata	79.2	80.8	83.9	86.0	86.3
MINERALES INDUSTRIALES NO FERROSOS	115.7	113.1	119.0	118.9	114.0
Plomo	87.9	87.3	67.9	102.2	89.5
Cobre	127.7	123.9	127.6	126.2	125.6
Zinc	81.8	86.9	104.2	94.8	82.1
Bismuto	0.0	0.0	0.0	0.0	0.0
Cadmio	80.2	82.7	87.7	77.7	57.1
Selenio	109.1	109.1	109.1	100.0	100.0
Molibdeno	133.2	118.6	154.2	143.2	125.6
MINERALES SIDERÚRGICOS	24.9	20.1	26.0	28.2	28.3
Carbón No Coquizable	3.2	3.1	3.2	3.3	3.4
Coque	0.0	0.0	0.0	0.0	0.0
Fierro	60.2	53.9	62.5	69.2	69.2
Manganeso	116.3	18.0	129.9	120.6	125.3
MINERALES NO METÁLICOS	88.9	87.5	91.1	85.1	86.7
Azufre	26.0	21.1	23.3	30.0	24.0
Grafito	0.0	28.9	48.2	12.3	33.7
Barita	308.2	324.8	329.4	312.1	305.0
Dolomita	113.0	110.5	112.0	112.1	121.4
Fluorita	97.5	98.6	99.9	96.5	95.1
Caolín	13.6	13.3	13.3	13.5	13.5
Arena Sílica	127.2	122.7	122.9	120.4	118.7
Yeso	121.1	117.5	124.9	125.0	131.5
Fosforita	19.2	23.6	24.8	3.0	3.0
Wollastonita	126.9	140.0	162.3	168.8	187.7
Celestita	45.2	67.5	59.7	44.6	66.7
Feldespató	182.6	173.2	169.2	172.4	173.7
Sal	85.4	86.4	91.8	73.1	95.5
Diatomita	191.5	190.8	188.5	181.7	180.4
Sulfato de Sodio	125.3	112.7	124.7	124.7	104.2
Sulfato de Magnesio	137.8	126.8	160.1	160.1	163.8

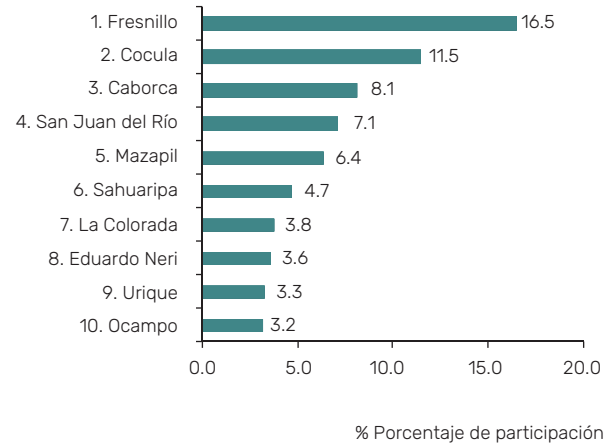
JUN	JUL	AGO	SEP	OCT	NOV	DIC	PROMEDIO
75.6	72.6	74.7	73.5	75.2	75.8	73.0	78.5
67.2	63.3	66.2	65.5	67.7	71.2	68.6	72.6
65.8	61.6	66.8	66.7	66.9	70.7	70.5	71.5
69.0	65.5	65.4	64.0	68.7	71.7	66.4	73.9
106.8	105.0	107.0	104.6	106.5	103.6	97.0	109.3
55.1	48.7	49.2	48.9	54.3	63.3	50.5	67.1
126.3	125.2	127.3	125.8	126.2	117.1	113.3	124.4
53.3	46.3	45.6	43.5	53.7	66.1	48.5	67.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
61.2	71.1	61.2	64.5	74.4	62.9	63.7	70.4
100.0	109.1	109.1	109.1	109.1	100.0	100.0	105.3
137.0	149.9	160.0	143.0	133.3	134.4	139.1	139.3
28.4	27.9	26.5	27.2	27.9	26.3	28.5	26.7
3.4	3.3	3.1	3.0	3.0	3.1	3.2	3.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
69.8	68.6	70.6	67.1	68.6	63.5	69.4	66.1
120.2	118.0	39.5	113.4	119.0	128.0	129.3	106.5
91.3	86.1	88.9	86.4	84.4	82.5	85.1	87.0
22.1	17.9	20.9	16.4	16.1	19.2	21.9	21.6
28.9	4.8	17.6	29.7	7.3	6.8	3.4	18.5
227.9	219.6	200.9	236.0	174.3	176.8	159.8	247.9
121.4	123.7	128.6	120.7	117.6	117.4	117.7	118.0
94.1	92.2	94.2	95.3	94.6	96.9	97.6	96.0
13.6	13.6	13.8	14.0	14.0	14.1	14.3	13.7
122.8	113.4	121.3	131.9	133.0	133.5	133.4	125.1
134.2	131.7	123.5	124.6	128.3	121.9	119.3	125.3
48.9	16.4	18.8	23.2	3.5	16.5	25.9	18.9
129.3	201.5	198.0	197.4	185.8	110.9	59.7	155.7
38.6	34.2	55.6	12.4	30.1	25.0	16.1	41.3
184.2	194.7	204.8	210.5	214.2	217.2	216.0	192.7
99.9	100.9	92.9	89.9	92.4	70.5	82.8	88.5
178.9	180.8	185.2	188.6	190.7	192.5	193.3	186.9
108.8	100.0	122.3	96.0	98.7	101.2	102.9	110.1
159.2	160.7	158.1	92.9	124.0	127.5	121.1	141.0

Fuente INEGI.

PRINCIPALES MUNICIPIOS PRODUCTORES DE ORO DURANTE 2023



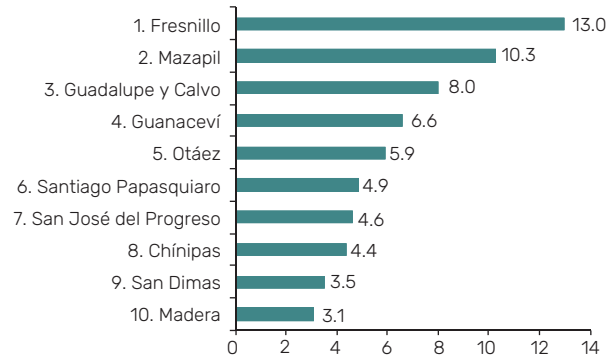
Fuente INEGI.



PRINCIPALES MUNICIPIOS PRODUCTORES DE PLATA DURANTE 2023

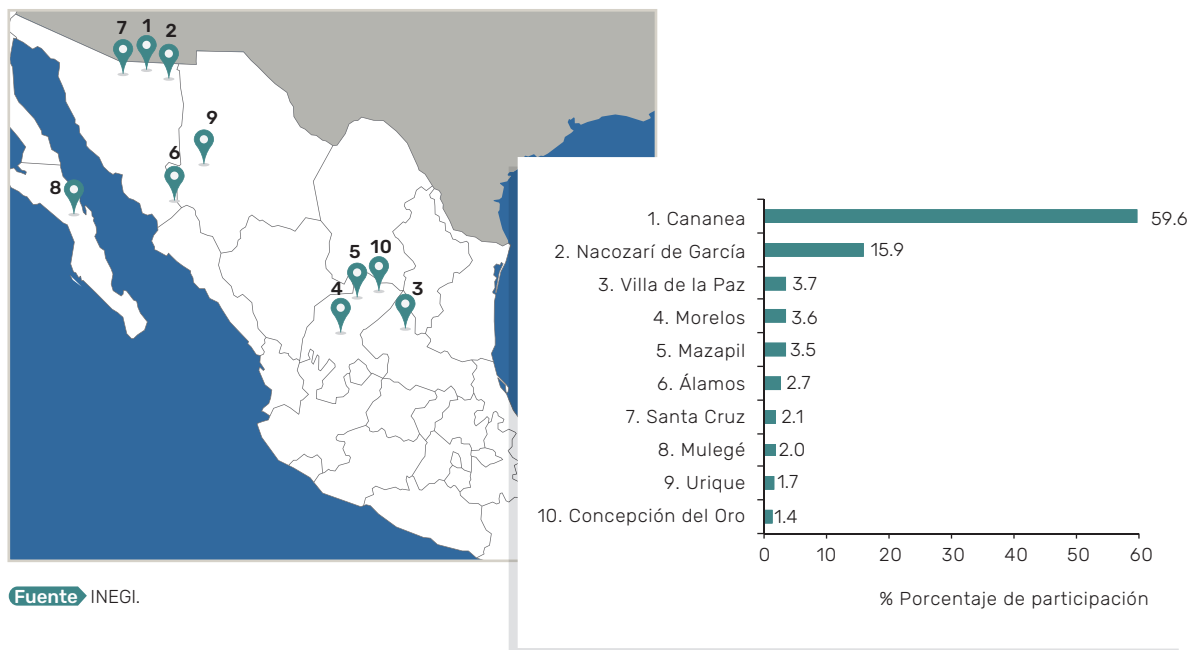


Fuente INEGI.

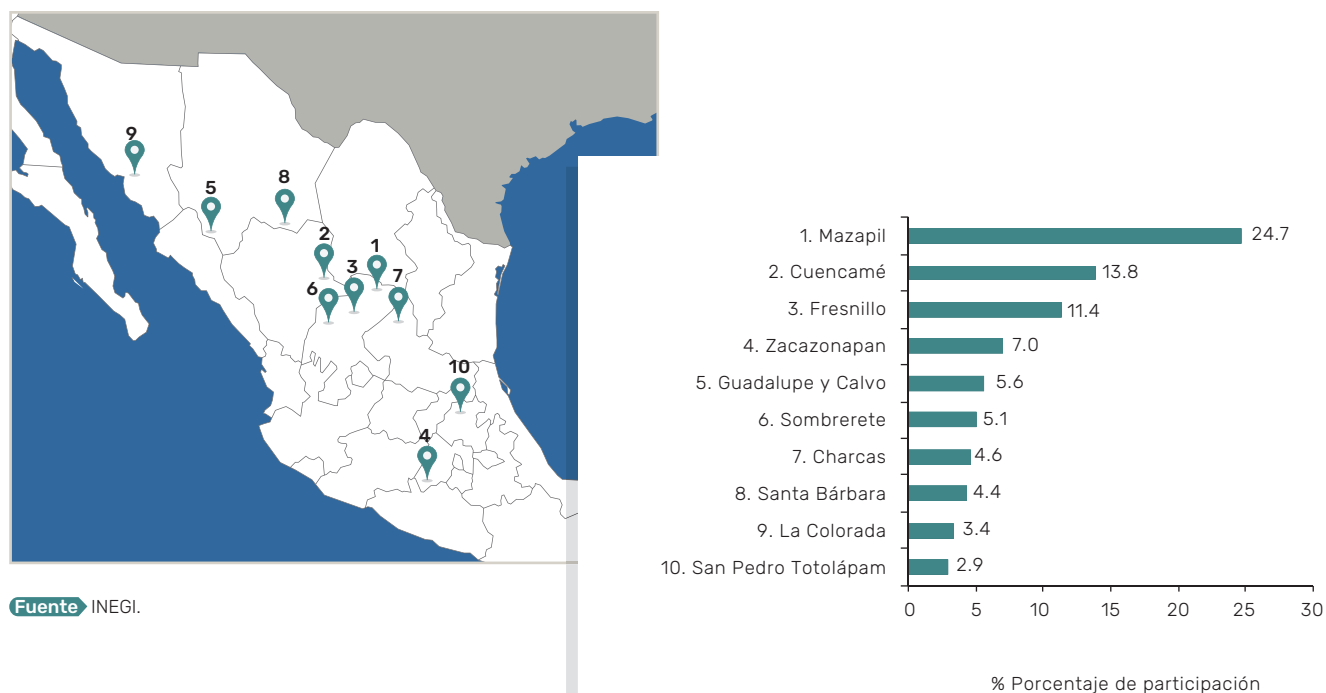


% Porcentaje de participación

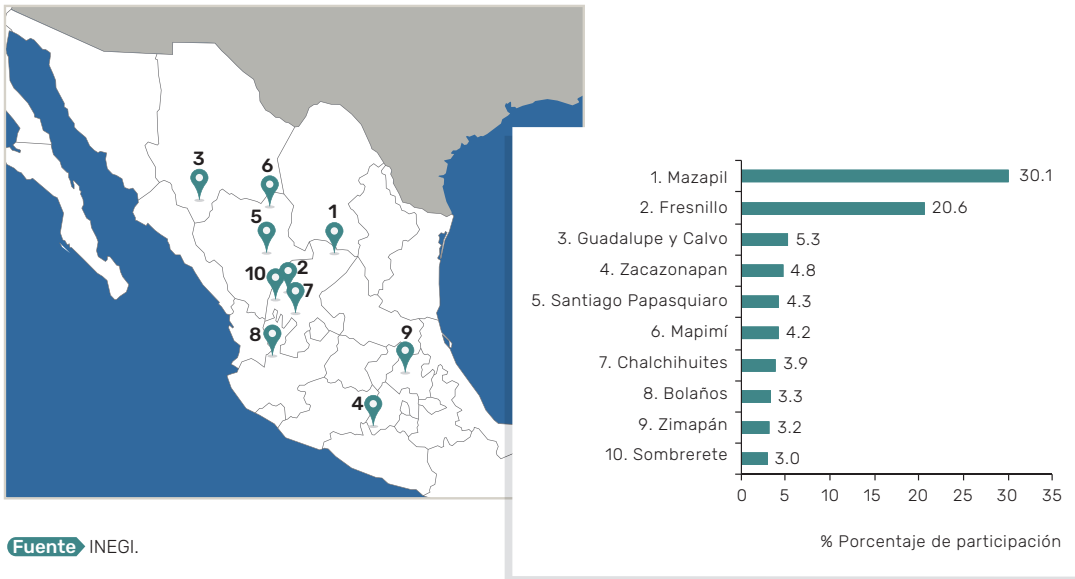
PRINCIPALES MUNICIPIOS PRODUCTORES DE COBRE DURANTE 2023



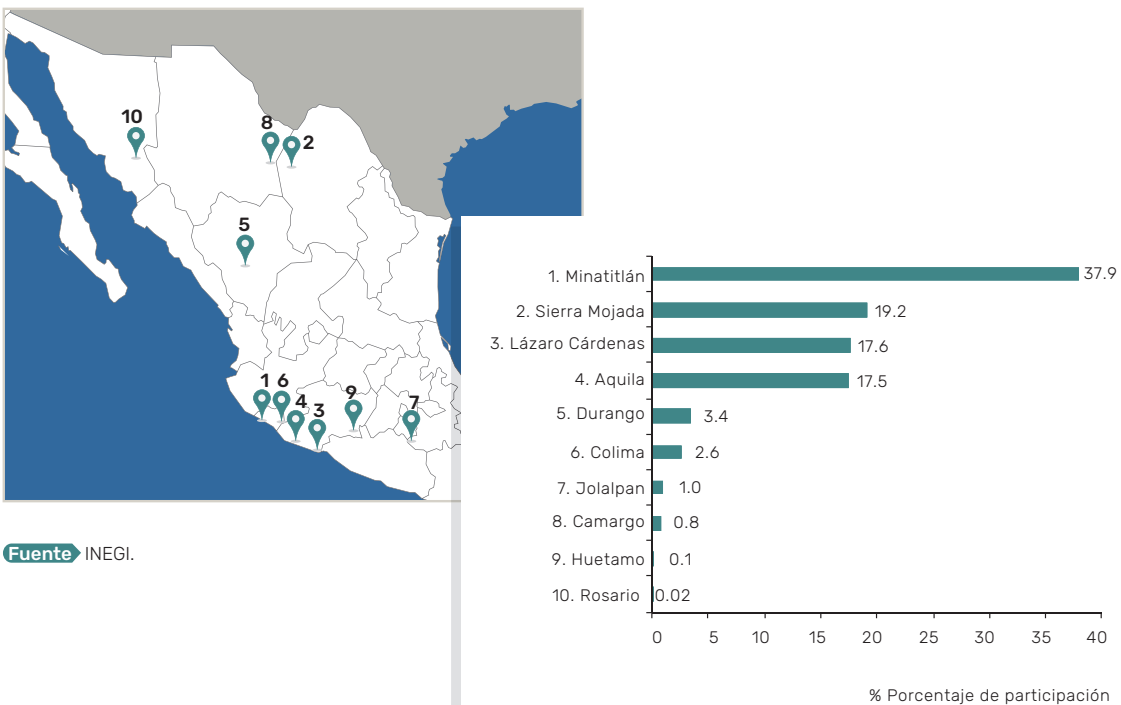
PRINCIPALES MUNICIPIOS PRODUCTORES DE ZINC DURANTE 2023



PRINCIPALES MUNICIPIOS PRODUCTORES DE PLOMO DURANTE 2023



PRINCIPALES MUNICIPIOS PRODUCTORES DE FIERRO DURANTE 2023



EXPORTACIONES MINERO-METALÚRGICAS 2015-2023 (Dólares)

PRODUCTOS	2015	2016	2017	2018	2019	2020	2021	2022 r/	2023 /p
Total	14,629,789,749	15,729,780,841	16,649,804,962	18,124,998,998	17,819,802,166	19,027,128,627	22,968,702,526	20,865,391,000	19,638,135,416
Metales Preciosos	6,791,489,261	7,409,244,629	7,096,898,566	6,829,383,348	7,309,871,544	8,021,955,797	8,597,172,607	7,047,261,293	7,598,533,418
Oro	4,321,352,119	4,888,529,589	4,442,267,239	4,316,479,675	4,625,541,890	4,877,213,478	5,195,244,566	4,291,890,953	4,274,411,912
Plata	2,361,901,215	2,407,434,356	2,529,681,477	2,330,801,003	2,465,010,424	2,748,782,806	3,397,550,244	2,724,476,856	3,174,304,555
Platino	108,235,927	113,280,684	124,949,850	182,102,670	219,319,230	395,959,513	4,377,797	30,893,484	149,816,952
Metales Industriales	6,698,606,789	7,196,668,845	8,417,963,723	10,001,663,122	9,185,082,582	9,822,708,002	13,115,871,719	12,161,871,707	10,883,671,702
Cobre	2,520,673,000	2,820,726,054	3,556,847,581	4,246,599,469	4,361,832,119	4,603,707,301	6,365,843,841	5,715,619,909	5,375,138,319
Zinc	1,083,105,010	1,145,731,742	1,599,812,846	1,779,594,423	1,392,037,787	1,163,810,614	1,531,690,471	1,455,095,996	1,553,355,435
Plomo	1,599,926,957	1,195,422,527	1,513,082,898	1,247,394,075	1,023,171,267	1,830,510,235	2,401,119,781	2,001,304,640	1,513,923,611
Fierro	626,012,619	524,645,514	821,825,725	1,507,653,031	1,218,457,240	1,135,976,992	1,285,678,411	989,742,473	997,021,248
Aluminio	428,015,661	1,207,706,368	518,857,032	623,814,541	562,026,443	555,054,493	1,023,120,016	1,275,773,860	977,728,209
Magnesio	39,929,394	33,577,215	43,281,228	49,870,122	31,886,082	25,345,613	50,645,560	57,758,630	52,162,960
Níquel	14,657,444	16,530,610	22,619,071	30,696,983	38,448,012	28,239,620	29,150,642	43,361,065	59,480,690
Titanio	12,737,886	7,816,044	22,326,539	14,870,395	23,761,729	18,525,074	60,992,459	65,554,409	1,062,870
Estaño	16,533,193	14,728,452	16,189,791	20,588,288	23,145,647	22,579,390	44,637,681	39,090,966	9,839,660
Otros	357,015,625	229,784,319	303,121,012	480,581,795	510,316,256	438,958,670	322,992,857	518,569,758	343,958,701
Minerales No Metálicos	1,139,693,699	1,123,867,367	1,134,942,673	1,293,952,528	1,324,848,040	1,182,464,828	1,255,658,200	1,656,258,000	1,155,930,296
Abrasivos Naturales	163,530,680	173,578,949	169,360,144	182,149,331	191,818,724	155,521,080	5,194,289	3,748,395	199,229,318
Fluorita	128,561,750	116,850,436	131,139,020	188,546,003	236,992,898	212,896,615	217,962,197	268,357,524	66,418,062
Grafito	109,671,187	134,176,835	131,962,024	162,673,603	190,900,422	175,805,288	4,643,196	10,957,130	6,963,221
Cemento	93,760,533	101,915,011	125,116,845	183,833,303	180,466,985	188,237,761	205,176,350	435,771,539	220,090,778
Sal	154,740,833	143,962,699	114,999,677	118,287,715	137,905,261	118,153,456	164,799,901	262,684,017	161,976,358
Rocas Dimensionables	106,632,408	103,557,432	87,210,694	71,655,812	66,827,407	61,304,713	10,910,320	15,458,647	87,956,390
Piedras Preciosas	82,954,881	75,733,936	50,889,881	42,687,453	39,803,221	30,650,473	4,888,665	8,112,782	56,857,083
Barita	27,846,483	15,831,848	39,073,702	42,178,106	46,842,085	29,054,404	35,247,190	61,488,118	35,421,789
Otros	271,994,944	258,260,221	285,190,686	301,941,202	233,291,037	210,841,038	606,836,093	589,679,848	321,017,297

Fuente: Secretaría de Economía, Banxico e INEGI, varios años.

Notas:

r/ Cifras revisadas.

p/ Cifras preliminares sujetas a revisión.

IMPORTACIONES MINERO-METALÚRGICAS 2015-2023 (Dólares)

PAÍSES	2015	2016	2017	2018	2019	2020	2021	2022 /r	2023 /p
Total	8,118,621,324	8,000,176,484	9,435,790,906	12,385,976,820	11,058,884,731	8,878,674,992	12,513,893,742	12,840,013,000	10,613,135,183
Metales Preciosos	338,957,985	275,327,990	242,408,162	300,050,076	267,586,293	234,785,878	334,805,941	307,117,004	320,521,564
Oro	197,621,101	159,706,914	113,957,608	146,535,305	127,035,358	113,521,914	135,932,013	136,259,447	134,002,673
Plata	85,257,393	73,645,801	82,175,336	97,072,770	95,522,715	100,726,990	163,912,529	142,552,749	151,122,943
Platino	56,079,491	41,975,275	46,275,218	56,442,001	45,028,220	20,536,974	34,961,400	28,304,808	35,395,948
Metales Industriales	5,440,125,294	5,394,535,883	6,181,589,465	8,799,643,380	7,943,049,494	6,955,998,640	10,293,336,155	10,797,991,996	7,982,337,027
Aluminio	2,603,913,249	2,331,459,037	2,598,843,057	3,233,403,631	2,743,389,801	2,061,898,974	3,679,397,730	4,868,193,492	1,179,008,013
Fierro	1,087,688,693	1,308,550,152	1,329,624,426	2,515,118,545	2,185,246,970	1,919,724,977	2,340,237,753	2,290,336,999	2,514,096,035
Cobre	841,576,602	858,318,241	1,106,278,305	1,665,721,500	1,923,769,481	2,182,064,674	3,067,245,782	1,978,700,100	2,859,672,799
Zinc	117,829,808	165,213,290	219,066,057	309,910,295	265,751,294	145,644,607	203,496,194	344,260,147	382,688,601
Níquel	159,287,242	158,967,283	184,434,466	225,380,897	290,563,946	214,681,720	229,980,711	326,326,867	407,900,106
Titanio	75,682,515	112,994,324	139,967,014	168,193,837	9,889,756	14,908,937	282,487,254	317,663,283	22,599,750
Estaño	107,120,866	112,447,917	135,013,400	140,296,117	134,426,677	109,417,542	194,365,802	168,937,967	163,106,488
Magnesio	86,106,907	67,082,758	78,397,645	91,824,446	31,188,816	27,226,971	101,782,150	160,771,146	100,613,072
Tungsteno	29,369,121	27,651,717	35,100,808	36,932,116	34,792,572	27,043,436	42,150,713	47,890,654	53,995,161
Otros	331,550,291	251,851,164	354,864,287	412,861,996	324,030,181	253,386,802	152,192,066	294,911,340	298,657,000
Minerales No Metálicos	2,339,538,045	2,330,312,611	3,011,793,279	3,286,283,364	2,848,248,944	1,687,890,474	1,885,751,645	1,734,904,000	2,310,276,592
Carbón	797,379,051	826,611,065	1,400,614,300	1,516,283,165	1,184,724,760	304,262,630	709,725,204	842,276,291	836,827,237
Abrasivos Naturales	155,772,501	167,874,358	179,008,281	182,194,496	170,642,891	139,815,573	11,097,606	6,671,687	166,000,941
Rocas Dimensionables	161,857,308	159,607,136	156,924,679	176,916,645	147,800,621	118,546,345	2,930,188	1,573,774	122,515,484
Piedras Preciosas	166,415,323	154,231,019	136,076,720	131,731,654	124,286,747	88,871,534	22,086,695	15,679,580	144,654,483
Fosforita	114,403,780	77,995,515	120,642,612	143,358,207	142,973,150	161,723,740	132,458,864	102,295,477	148,369,243
Sílice	73,414,132	69,119,350	99,737,702	87,544,017	83,138,045	49,386,015	70,726,733	55,743,693	90,787,091
Caolín	75,770,308	80,518,890	81,652,716	88,502,426	88,361,393	83,452,219	97,258,224	73,098,864	93,366,659
Arcillas	43,409,408	43,805,381	40,564,581	40,730,704	33,532,600	32,055,091	72,186,667	45,455,237	19,247,716
Otros	751,116,234	750,549,897	796,571,688	919,022,050	872,788,737	709,777,327	767,281,465	592,109,397	688,507,738

Fuente: Secretaría de Economía, Banxico e INEGI, varios años.

Notas:

r/ Cifras revisadas.

p/ Cifras preliminares sujetas a revisión.

BALANZA COMERCIAL MINERO-METALÚRGICA 2015-2023 (Dólares)

EXPORTACIONES	2015	2016	2017	2018	2019	2020	2021	2022 r/	2023 p/
Total	14,629,789,749	15,729,780,841	16,649,804,962	18,124,998,998	17,819,802,166	19,027,128,627	22,968,702,526	20,865,391,000	19,638,135,416
Minerales Metálicos	13,490,096,050	14,605,913,474	15,514,862,289	16,831,046,470	16,494,954,126	17,844,663,799	21,713,044,326	19,209,133,000	18,482,205,120
Minerales No Metálicos	1,139,693,699	1,123,867,367	1,134,942,673	1,293,952,528	1,324,848,040	1,182,464,828	1,255,658,200	1,656,258,000	1,155,930,296

IMPORTACIONES	2015	2016	2017	2018	2019	2020	2021	2022 r/	2023 p/
Total	8,118,621,324	8,000,176,484	9,435,790,906	12,385,976,820	11,058,884,731	8,878,674,992	12,513,893,742	12,840,013,000	10,613,135,183
Minerales Metálicos	5,779,083,279	5,669,863,873	6,423,997,627	9,099,693,456	8,210,635,787	7,190,784,518	10,628,142,097	11,105,109,000	8,302,858,591
Minerales No Metálicos	2,339,538,045	2,330,312,611	3,011,793,279	3,286,283,364	2,848,248,944	1,687,890,474	1,885,751,645	1,734,904,000	2,310,276,592

SALDO	2015	2016	2017	2018	2019	2020	2021	2022 r/	2023 p/
Total	6,511,168,425	7,729,604,357	7,214,014,056	5,739,022,178	6,760,917,435	10,148,453,635	10,454,808,784	8,025,378,000	9,025,000,233
Minerales Metálicos	7,711,012,771	8,936,049,601	9,090,864,662	7,731,353,014	8,284,318,339	10,653,879,281	11,084,902,229	8,104,024,000	10,179,346,529
Minerales No Metálicos	-1,199,844,346	-1,206,445,244	-1,876,850,606	-1,992,330,836	-1,523,400,904	-505,425,646	-630,093,445	-78,646,000	-1,154,346,296

Fuente: Secretaría de Economía, Banxico e INEGI, varios años.

Notas:

r/ Cifras revisadas.

p/ Cifras preliminares sujetas a revisión.

EXPORTACIONES MINERO-METALÚRGICAS POR PAÍS 2015-2023 (Dólares)

PAÍSES	2015	2016	2017	2018	2019	2020	2021	2022 r/	2023 /p
Total:	14,629,789,749	15,729,780,841	16,649,804,962	18,124,998,998	17,819,802,166	19,027,128,627	22,968,702,526	20,865,391,000	19,638,135,416
Estados Unidos	7,616,157,217	7,742,175,861	8,237,415,160	8,838,818,697	8,784,156,774	8,354,353,628	10,703,638,900	9,442,482,797	10,278,231,152
China	1,527,758,227	1,894,234,904	2,588,504,624	3,133,726,639	3,042,754,713	3,650,418,570	4,164,279,503	3,893,019,793	4,575,796,883
Suiza	999,737,310	371,251,767	423,232,460	518,729,170	382,357,847	618,903,934	619,975,300	620,950,129	1,232,311,467
Corea	1,035,232,877	839,607,872	1,088,897,471	1,158,183,020	1,045,616,430	1,637,423,122	1,662,181,936	1,652,795,028	973,288,271
Japón	306,207,891	395,987,095	512,344,366	542,737,730	647,928,046	606,585,653	783,692,634	688,558,566	573,991,919
Brasil	240,212,386	186,436,082	216,237,053	230,131,650	191,152,147	250,517,593	274,398,917	261,996,089	284,752,580
Alemania	93,378,824	217,442,278	228,755,512	313,055,080	161,399,507	145,056,837	191,570,429	166,549,467	268,884,918
Canadá	412,055,893	362,712,379	402,801,519	470,622,885	281,236,420	333,660,830	382,639,053	356,748,189	152,511,477
España	123,647,212	143,439,890	139,555,354	141,110,233	133,327,776	111,928,024	153,483,190	131,084,989	134,241,057
Bélgica	492,688,665	350,084,310	477,408,459	532,389,850	377,622,085	336,849,561	446,681,496	387,585,534	122,239,289
Italia	188,026,927	226,333,813	173,316,900	146,835,670	200,953,263	138,053,414	212,834,580	172,367,910	113,499,443
Guatemala	41,395,715	47,430,921	72,761,962	80,672,201	58,718,840	63,529,410	76,187,545	69,438,993	81,228,340
Panamá	4,624,801	3,226,790	3,065,585	3,718,702	1,501,749	1,243,463	1,718,361	1,462,301	72,554,833
Colombia	34,566,229	19,863,692	28,105,766	32,625,286	18,745,604	24,831,136	27,068,525	25,909,960	51,512,213
Perú	171,099,005	36,641,981	65,849,338	83,670,984	22,855,395	33,871,495	35,173,727	34,548,339	20,336,417
Puerto Rico	11,392,933	13,220,359	30,094,427	30,870,236	11,429,271	19,377,604	19,061,728	19,282,958	18,942,028
Taiwán	109,606,287	58,822,438	62,461,767	98,206,162	93,072,607	106,209,176	124,088,119	114,597,669	16,329,578
Belize	9,385,544	10,762,326	10,443,847	10,269,859	11,776,786	9,753,683	13,476,907	11,469,400	9,955,474
Ecuador	18,753,891	8,874,524	18,088,885	10,734,400	8,958,182	16,496,553	15,730,243	16,190,054	8,949,234
El Salvador	5,991,413	5,474,577	7,101,090	7,877,937	10,859,670	9,707,647	12,858,065	11,163,072	7,550,114
Honduras	5,546,856	5,946,823	5,958,488	8,311,327	6,350,364	3,752,738	6,357,697	4,945,402	7,419,646
Países Bajos	91,352,738	112,878,732	103,537,319	154,219,187	112,835,350	114,894,725	142,067,044	127,526,282	6,000,833
Chile	31,186,143	20,008,612	29,278,307	56,437,651	80,024,921	99,278,226	111,495,893	105,077,825	5,088,565
Argentina	10,988,505	15,369,285	19,690,124	16,974,459	13,426,235	12,800,146	16,378,706	14,457,831	3,786,789
Rep. Dominicana	11,521,197	8,247,447	4,003,096	11,947,605	1,692,113	11,704,587	8,155,146	10,121,877	3,086,522
Nicaragua	4,481,893	2,752,686	3,264,897	3,598,014	1,784,985	4,414,443	3,814,831	4,153,215	1,437,321
Rein Unido	355,220,488	1,292,522,505	772,601,632	721,342,102	1,282,927,091	1,297,278,902	1,609,818,370	1,442,507,551	1,010,583
Cuba	6,734,293	4,756,648	7,160,759	5,889,831	8,774,084	4,423,396	8,324,509	6,206,481	880,672
Jamaica	846,884	2,356,771	1,620,230	2,080,430	3,888,773	803,042	2,990,901	1,798,821	642,863
Australia	170,328,617	153,411,581	298,405,332	204,102,269	27,175,219	28,424,960	34,670,322	31,333,316	125,308
Venezuela	32,125,037	11,749,696	8,403,161	8,837,399	7,543,532	3,896,217	7,213,260	5,412,681	110,005
Francia	8,351,330	4,878,120	3,787,140	28,672,352	16,219,289	9,944,795	16,455,323	12,927,025	48,425
Costa Rica	30,970,070	35,215,040	51,616,587	36,237,271	21,924,503	20,091,166	26,256,294	22,942,078	642,863
Los demás	428,216,451	1,125,663,036	554,036,345	481,362,710	748,812,595	946,649,951	1,053,965,071	997,779,380	610,748,335

Fuente: Secretaría de Economía, Banxico e INEGI, varios años.

Notas:

r/ Cifras revisadas.

p/ Cifras preliminares sujetas a revisión.

IMPORTACIONES MINERO-METALÚRGICAS POR PAÍS 2015-2023 (Dólares)

PAÍSES	2015	2016	2017	2018	2019	2020	2021	2022 /r	2023 p/
TOTAL	8,118,621,324	8,000,176,484	9,435,790,906	12,385,976,820	11,058,884,731	8,878,674,992	12,513,893,742	12,840,013,000	10,613,135,183
Estados Unidos de América	4,106,898,304	3,910,115,951	4,236,639,553	5,084,647,123	4,724,140,294	4,456,740,951	5,813,583,844	6,205,131,957	6,211,723,977
Brasil (República Federativa del)	214,038,594	455,074,902	348,155,807	188,704,166	1,114,782,721	1,050,229,135	1,370,840,492	1,462,684,052	575,662,865
Canadá	681,420,403	567,279,504	693,323,225	498,125,049	523,752,270	367,272,300	555,153,749	550,378,529	249,168,397
Sudáfrica (República de)	54,506,221	68,048,978	163,798,106	24,588,998	249,251,395	253,097,730	319,384,698	346,864,334	3,789,853
Rusia (Federación)	375,648,188	245,401,018	306,360,247	311,612,001	556,825,467	243,594,856	486,708,546	425,835,183	10,031,041
China (República Popular de)	375,575,692	371,794,983	511,585,257	357,492,732	354,450,079	235,360,470	366,404,759	358,161,563	474,813,864
Chile (República de)	186,016,313	145,275,966	381,421,832	282,515,367	346,364,080	225,421,576	354,825,725	345,034,537	431,681,806
India (República de la)	490,022,386	323,633,596	338,901,246	418,506,403	303,615,508	176,312,269	296,031,112	279,361,083	202,936,524
Perú (República de)	91,903,808	63,545,653	80,073,005	16,734,602	131,008,605	166,450,335	191,422,916	218,562,928	576,908,508
Colombia (República de)	106,203,564	205,845,892	729,775,647	231,499,255	744,363,191	137,366,410	517,953,590	365,053,002	719,103,625
Japón	50,667,894	48,059,983	53,331,094	43,818,350	96,689,212	109,097,460	131,588,026	146,395,008	114,040,817
Alemania (República Federal de)	106,298,438	111,251,210	154,486,182	67,464,665	130,563,801	87,794,896	135,741,483	133,122,366	82,383,042
Corea del Sur (República de)	62,735,179	65,941,545	51,191,872	51,950,482	104,939,259	64,169,236	104,594,124	100,059,547	61,222,073
España (Reino de)	57,505,732	66,713,032	64,528,370	56,673,961	86,796,531	54,936,496	87,822,786	84,779,318	128,408,483
Países Bajos (Reino de los)	14,451,467	16,182,933	19,222,513	11,967,504	28,502,028	54,325,955	54,410,394	67,196,279	6,508,853
Argentina (República de)	23,430,229	43,840,222	60,932,709	40,874	118,583,279	48,145,475	101,021,496	86,640,194	6,877,980
Italia (República Italiana)	64,906,734	67,847,680	71,017,899	52,569,673	52,141,190	37,216,594	55,727,823	55,500,695	105,573,205
Australia (Comunidad Australiana)	342,436,039	254,872,094	101,591,079	4,621,653	49,253,550	34,912,735	52,470,474	52,163,699	41,526,183
Tailandia (Reino de)	16,554,802	20,397,020	22,792,443	2,444,508	23,139,226	25,369,808	30,970,335	34,233,161	10,396,261
R. Unido de la Gran Bretaña e Irlanda	47,015,069	37,072,116	45,963,952	12,104,466	62,595,832	25,220,540	53,189,084	45,524,119	120,220,556
Grecia (República Helénica)	8,677,534	11,262,043	9,699,999	11,134,175	15,061,082	21,582,333	23,730,750	27,780,381	10,825,570
Suecia (Reino de)	26,526,901	28,144,091	49,962,431	18,624,038	25,223,422	20,537,981	28,744,474	29,597,422	59,762,130
Bolivia (República de)	17,837,519	15,820,139	12,022,933	15,615,017	40,557,284	16,767,077	34,762,720	29,958,293	43,672,374
Bélgica (Reino de)	17,053,224	21,460,402	23,680,453	3,947,719	22,136,605	16,376,256	24,065,165	24,187,528	76,157,961
Francia (República Francesa)	14,256,974	16,286,450	20,522,246	9,055,028	17,614,074	13,990,671	19,825,226	20,287,338	34,481,821
Noruega (Reino de)	11,515,041	24,540,162	28,862,294	20,032,342	15,687,234	9,919,446	15,865,991	15,312,303	24,885,822
Finlandia (República de)	9,493,863	9,016,751	9,596,448	4,931,161	9,332,526	8,530,675	11,291,905	11,961,464	13,152,929
Austria (República de)	8,247,501	10,065,481	14,422,742	3,354,189	9,081,162	7,498,739	10,422,465	10,769,241	6,514,893
Israel (Estado de)	9,530,049	10,185,835	10,225,480	11,513,834	14,950,948	5,340,934	12,222,860	10,132,628	12,598,616
Portugal (República)	3,266,377	2,948,053	3,508,572	2,788,607	3,495,638	3,764,629	4,630,774	5,097,861	2,486,884
Suiza (Confederación Helvética)	5,264,694	6,393,331	4,225,118	680,920	1,788,376	2,125,721	2,509,866	2,824,707	4,171,652
Dinamarca (Reino de)	1,123,036	569,244	873,264	286,581	2,407,877	1,847,713	2,664,453	2,702,992	2,131,523
Guatemala (República de)	5,197,689	2,878,668	2,511,582	111,278	2,830,414	1,488,662	2,650,489	2,436,205	1,260,391
Los demás	512,395,866	752,411,556	810,585,306	4,565,820,099	1,076,960,571	895,868,928	1,240,661,149	1,284,283,082	188,054,704

Fuente: Secretaría de Economía, Banxico e INEGI, varios años.

Notas:

r/ Cifras revisadas.

p/ Cifras preliminares sujetas a revisión.

EMPLEO EN EL SECTOR MINERO-METALÚRGICO POR RAMA DE ACTIVIDAD 2015-2023 (Personas)

INDUSTRIAS	2015	2016	2017	2018	2019	2020	2021	2022	2023	dif (23/22)	var% (23/22)
11 EXTRACCIÓN Y BENEFICIO DE CARBÓN MINERAL, GRAFITO y MINERALES NO METÁLICOS; EXCEPTO SAL	39,245	37,731	38,564	37,882	36,056	34,093	35,544	35,001	34,192	-809	-2.3
13 EXTRACCIÓN Y BENEFICIO DE MINERALES METÁLICOS	67,896	70,601	75,379	75,546	74,615	71,046	77,125	77,529	72,767	-4762	-6.1
14 EXPLOTACIÓN DE SAL	2,242	2,167	2,152	2,097	2,187	2,313	2,897	4,042	5,857	1815	44.9
33 FABRICACIÓN DE PRODUCTOS DE MINERALES NO METÁLICOS; EXCEPTO DEL PETRÓLEO Y DEL CARBÓN MINERAL	134,334	139,485	142,710	143,655	143,997	143,326	160,458	162,902	162,966	64	0.0
34 INDUSTRIAS METÁLICAS BÁSICAS	101,195	104,718	112,751	119,840	122,238	117,157	130,155	137,906	141,093	3187	2.3
TOTAL SECTOR MINERO	344,912	354,702	371,556	379,020	379,093	367,935	406,179	417,380	416,875	-505	-0.1

Fuente IMSS.

EMPLEO MINERO-METALÚRGICO POR ESTADO Y RAMA DE ACTIVIDAD 2023 (Personas)

ESTADO / RAMA	Minerales No Metálicos	Minerales Metálicos	Sal	Productos a base de Minerales No Metálicos	Industrias Metálicas Básicas	Total
AGUASCALIENTES-1	244	375	47	2,743	1,773	5,182
BAJA CALIFORNIA -2	694	43	149	8,729	6,346	15,961
BAJA CALIFORNIA SUR-3	2,521	84	1,187	471	27	4,290
CAMPECHE-4	62	-	6	273	15	356
COAHUILA-5	4,532	5,302	88	6,773	18,904	35,599
COLIMA-6	167	2,252	222	862	88	3,591
CHIAPAS-7	53	-	10	741	8	812
CHIHUAHUA-8	492	9,829	138	5,697	4,716	20,872
CIUDAD DE MEXICO-9	558	315	359	6,259	3,780	11,271
DURANGO-10	2,039	8,600	101	1,510	1,815	14,065
GUANAJUATO-11	754	2,841	98	8,570	11,689	23,952
GUERRERO-12	149	3,693	28	616	23	4,509
HIDALGO-13	2,617	1,520	40	6,474	2,372	13,023
JALISCO-14	1,565	869	158	11,249	7,799	21,640
ESTADO DE MEXICO-15	1,527	1,687	263	17,889	12,817	34,183
MICHOACAN-16	475	1,142	231	1,387	5,733	8,968
MORELOS-17	228	16	160	1,863	159	2,426
NAYARIT-18	318	160	110	637	28	1,253
NUEVO LEON-19	3,659	648	223	32,129	28,669	65,328
OAXACA-20	468	1,324	30	1,855	6	3,683
PUEBLA-21	1,280	134	68	3,937	1,949	7,368
QUERETARO-22	956	687	88	7,045	5,664	14,440
QUINTANA ROO-23	785	-	49	2,271	31	3,136
SAN LUIS POTOSI-24	2,272	2,367	59	5,748	6,412	16,858
SINALOA-25	877	2,771	93	1,793	122	5,656
SONORA-26	1,691	11,223	391	2,974	3,569	19,848
TABASCO-27	448	79	7	913	32	1,479
TAMAULIPAS-28	358	4	147	5,762	3,373	9,644
TLAXCALA-29	133	57	15	6,482	685	7,372
VERACRUZ-30	1,403	108	653	4,163	11,754	18,081
YUCATAN-31	755	38	623	4,011	268	5,695
ZACATECAS-32	112	14,599	16	1,140	467	16,334
TOTAL NACIONAL	34,192	72,767	5,857	162,966	141,093	416,875

Fuente IMSS.