



OTOMOTİV SANAYİİ DERNEĐİ
AUTOMOTIVE MANUFACTURERS ASSOCIATION

OTOMOTİV SEKTÖRÜ AYLIK DEĐERLENDİRME RAPORU KASIM 2023

AUTOMOTIVE INDUSTRY MONTHLY REPORT
November 2023

OSD "OICA" Üyesidir



OSD is a Member of "OICA"

	11 - 2022	11 - 2023	%	1 - 11 / 2022	1 - 11 / 2023	%	12/2021 - 11/2022	12/2022 - 11/2023	%
Otomobil Üretimi/P.Cars Production	83.999	96.922	15,4	717.368	876.251	22,2	793.938	969.772	22,2
Toplam Üretim/Total Production	133.469	138.735	4,0	1.210.334	1.349.079	11,5	1.341.891	1.491.393	11,1
Otomobil Pazarı/P.Cars Market	59.222	91.424	54,4	505.886	840.925	66,2	549.445	927.699	68,8
Toplam Pazar/Total Market	86.499	119.529	38,2	705.201	1.119.300	58,7	771.834	1.241.262	60,8
Otomobil İthalatı/P.Cars Import	37.777	61.335	62,4	312.789	565.845	80,9	335.605	614.711	83,2
Toplam İthalat/Total Import	50.249	77.164	53,6	392.133	710.105	81,1	423.475	772.131	82,3
Otomobil İhracatı/P.Cars Export	61.989	61.361	-1,0	509.362	601.665	18,1	567.176	663.521	17,0
Toplam İhracat/Total Export	96.869	94.143	-2,8	876.185	926.223	5,7	978.474	1.020.162	4,3
Otomobil İhracatı(\$)/P.Cars Export (\$)	835.345.193,82	943.902.074,59	13,0	7.976.048.902	9.848.420.343	23,5	8.885.412.412	10.941.917.377	23,1
Toplam İhracat(\$)/Total Export (\$)*	2.967.760.178,74	3.204.625.196,67	8,0	28.326.320.585	32.491.765.180	14,7	31.297.848.925	35.664.399.010	14,0

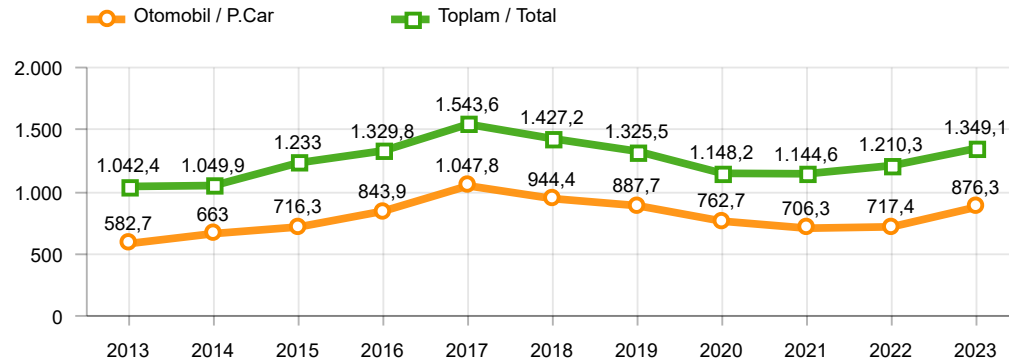
Parametreler/Parameters	11 - 2022	11 - 2023	%	1 - 11 / 2022	1 - 11 / 2023	%	12/2021 - 11/2022	12/2022 - 11/2023	%
ÜFE / PPI	0,7	2,8	-	98,2	42,6	-	128,9	53,2	-
TÜFE / CPI	2,9	3,3	-	62,4	60,1	-	70,4	53,4	-
Sanayi Endeksi / Industry Index	2,0	2,3	-	74,7	50,7	-	111,6	54,7	-
Dolar \$ ** (1 birim)	18,6	28,6	53,8	16,3	23,2	42,0	16,1	22,8	41,7
Euro € ** (1 birim)	18,9	30,8	63,0	17,1	25,1	46,3	17,0	24,6	45,0
Japon Yeni ¥ ** (100 birim)	12,9	18,9	46,3	12,4	16,4	32,4	12,3	16,2	31,1

*Toplam Sanayi / Total Industry Including Components

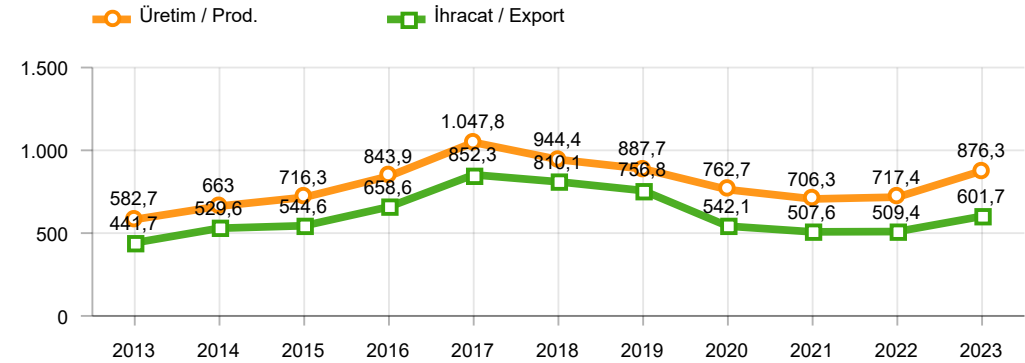
** Ortalama Değerler / Average Values

Araç Tipleri / Types	11 / 2022	11 / 2023	11 % Değişim	1-11 / 2022	1-11 / 2023	1-11 % Değişim
OTOMOBİL / Pass.Car	83.999	96.922	15,4	717.368	876.251	22,1
OTOMOBİL Toplam / Pass.Car Total	83.999	96.922	15,4	717.368	876.251	22,1
B.KAMYON / H. Truck	4.290	3.908	-8,9	37.382	43.637	16,7
K.KAMYON / L. Truck	466	506	8,6	4.624	4.933	6,7
KAMYONET / Pick Up	39.905	33.286	-16,6	397.691	362.922	-8,7
OTOBÜS / Bus	883	1.012	14,6	7.131	9.664	35,5
MİNİBÜS / Minibus	3.581	2.708	-24,4	43.245	47.297	9,4
MİDİBÜS / Midibus	345	393	13,9	2.893	4.375	51,2
TİCARİ ARAÇLAR Toplam / Commercial Vehicles Total	49.470	41.813	-15,5	492.966	472.828	-4,1
TAŞIT ARAÇLARI Toplam / Motor Vehicles Total	133.469	138.735	3,9	1.210.334	1.349.079	11,5
TRAKTÖR / F.Tractor	5.221	4.816	-7,8	44.939	53.225	18,4
TRAKTÖR Toplam / F.Tractor Total	5.221	4.816	-7,8	44.939	53.225	18,4
GENEL TOPLAM / Grand Total	138.690	143.551	3,5	1.255.273	1.402.304	11,7

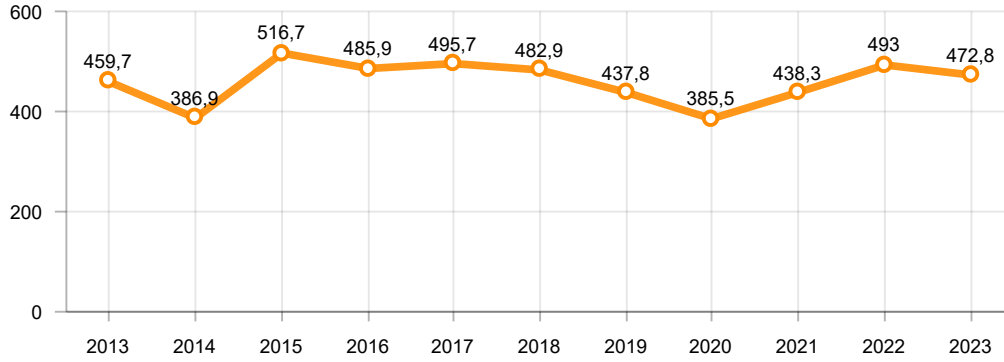
Toplam Üretim ve Otomobil Üretimi (x1000)(OCAK - KASIM)
Total & P.Cars Production (x1000)(January - November)



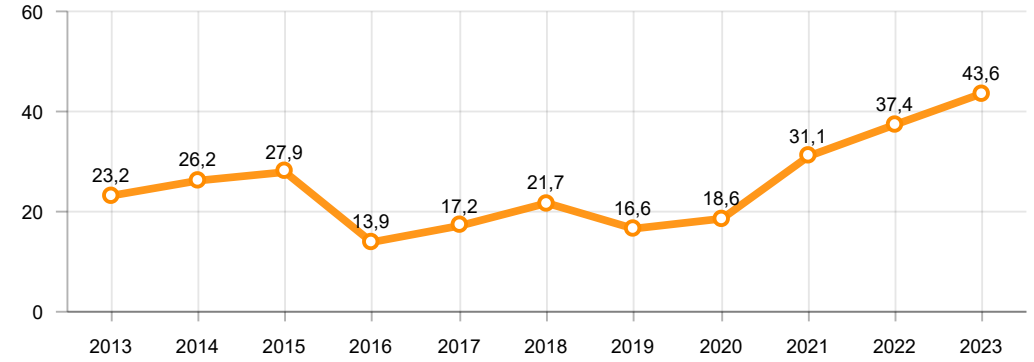
Otomobil Üretimi ve İhracat (x1000)(OCAK - KASIM)
P.Cars Production & Exports (x1000)(January - November)



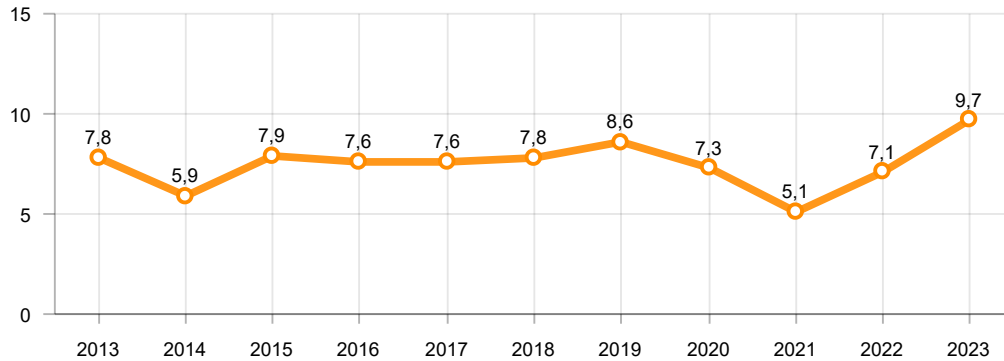
Ticari Araç Üretimi (x1000)(OCAK - KASIM)
Commercial Vehicle Production (x1000)(January - November)



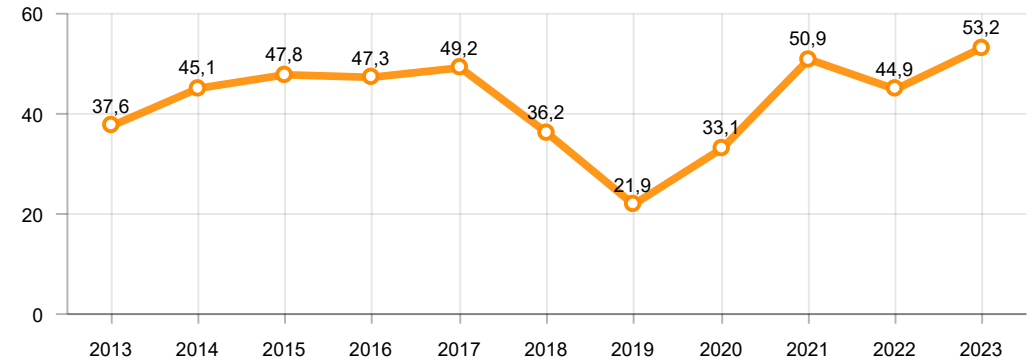
Büyük Kamyon Üretimi (x1000)(OCAK - KASIM)
Heavy Truck Production (x1000)(January - November)

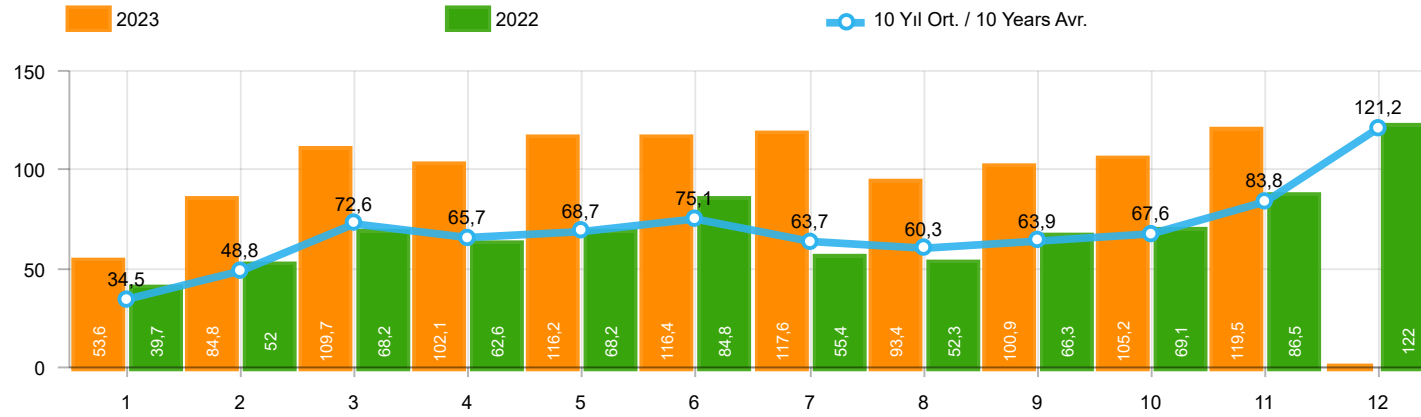


Otobüs Üretimi (x1000)(OCAK - KASIM)
Bus Production (x1000)(January - November)



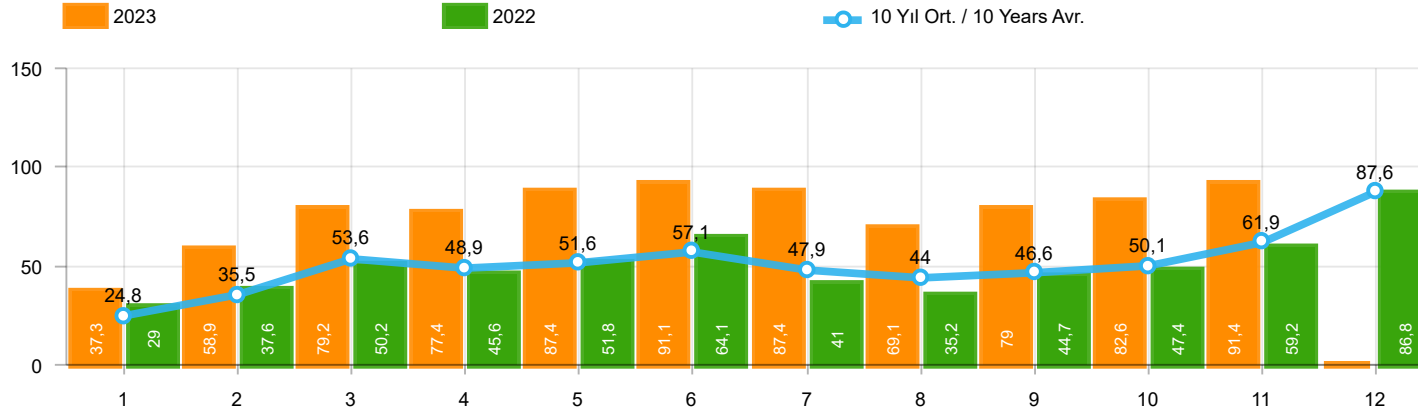
Traktör Üretimi (x1000)(OCAK - KASIM)
F. Tractor Production (x1000)(January - November)





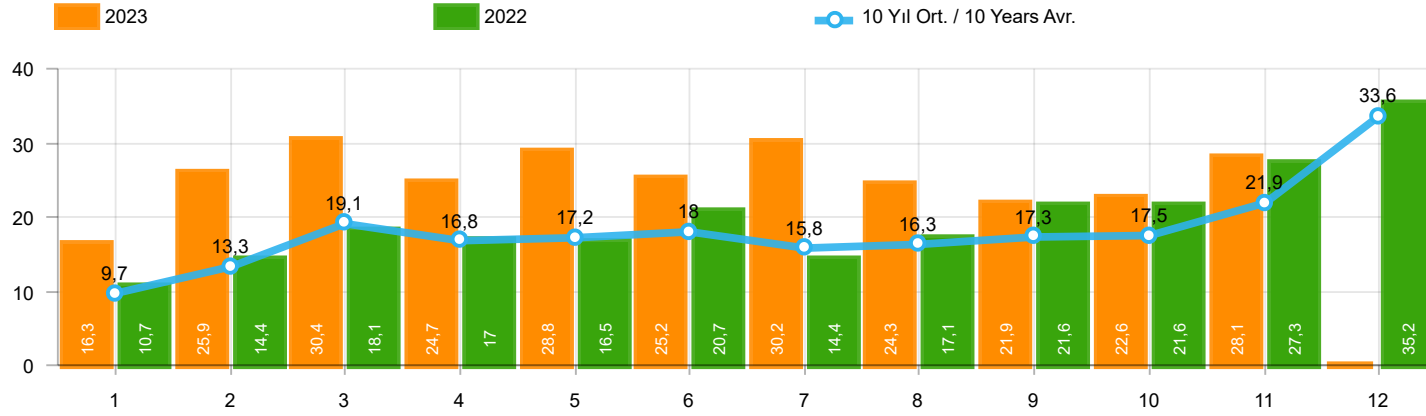
Aylar / Months	10 Yıl Ort / 10 Years Avr.	2023	%
1	34.512	53.578	55,2
2	48.807	84.781	73,7
3	72.622	109.658	51,0
4	65.666	102.076	55,4
5	68.722	116.227	69,1
6	75.146	116.352	54,8
7	63.695	117.647	84,7
8	60.309	93.409	54,9
9	63.920	100.862	57,8
10	67.649	105.181	55,5
11	83.789	119.529	42,7
TOPLAM/TOTAL	704.840	1.119.300	58,8

Yıl / Year	1	2	3	4	5	6	7	8	9	10	11	12	1-11 Toplam / Total	Toplam / Total	1-11 Yerli / Local	1-11 İthal / Import	İthal Oran / Import %
2013	37.563	51.133	72.943	77.265	85.835	78.043	75.152	67.662	71.388	60.690	83.470	136.048	761.144	897.192	236.843	524.301	68,9
2014	34.751	37.659	51.312	57.113	62.447	64.295	62.770	63.303	70.764	69.742	84.368	154.843	658.524	813.367	228.777	429.747	65,3
2015	37.256	59.221	89.765	96.182	85.804	91.071	87.358	85.244	67.181	67.086	88.431	164.464	854.599	1.019.063	294.603	559.996	65,5
2016	34.369	54.840	85.932	87.748	97.090	94.666	59.732	73.654	69.413	85.666	125.462	145.706	868.572	1.014.278	279.298	589.274	67,8
2017	36.640	48.585	76.178	78.231	88.066	85.820	84.727	74.818	74.046	94.439	103.772	141.507	845.322	986.829	305.549	539.773	63,9
2018	36.525	48.768	79.600	73.886	74.996	52.788	54.194	35.137	23.915	22.321	59.406	80.014	561.536	641.550	211.588	349.948	62,3
2019	14.847	25.569	50.651	31.944	33.947	43.899	18.442	26.832	43.068	50.288	59.575	92.885	399.062	491.947	171.117	227.945	57,1
2020	28.123	48.948	51.554	27.165	33.308	72.789	89.419	63.570	93.406	97.125	82.824	107.919	688.231	796.150	315.260	372.971	54,2
2021	45.308	61.325	100.046	64.551	57.510	83.304	49.732	60.573	59.717	60.064	64.087	66.633	706.217	772.850	311.826	394.391	55,8
2022	39.741	52.030	68.241	62.584	68.221	84.788	55.424	52.297	66.304	69.072	86.499	121.962	705.201	827.163	313.068	392.133	55,6
2023	53.578	84.781	109.658	102.076	116.227	116.352	117.647	93.409	100.862	105.181	119.529		1.119.300	1.119.300	409.195	710.105	63,4



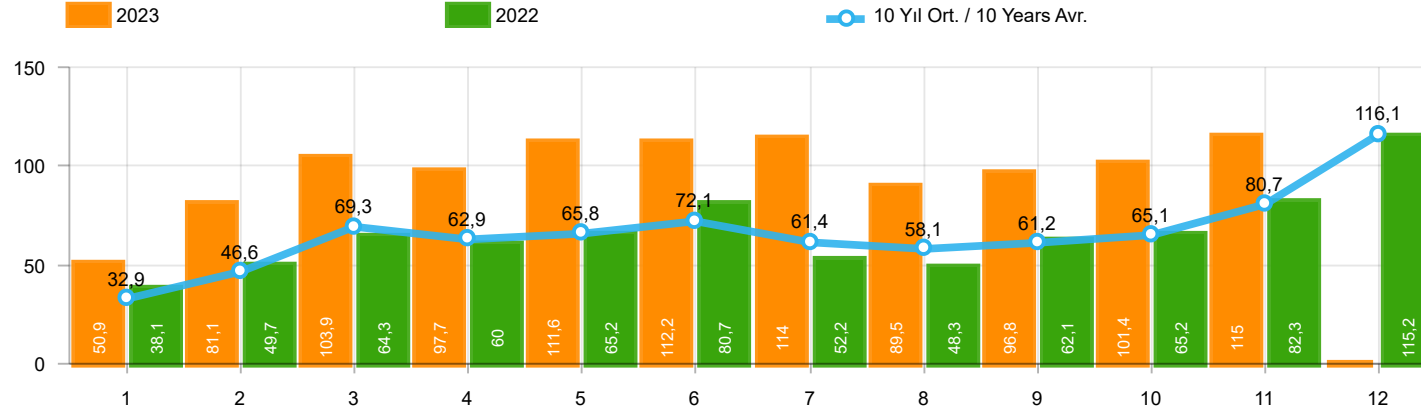
Aylar / Months	10 Yıl Ort / 10 Years Avr.	2023	%
1	24.773	37.288	50,5
2	35.527	58.907	65,8
3	53.571	79.226	47,9
4	48.888	77.398	58,3
5	51.559	87.418	69,6
6	57.141	91.135	59,5
7	47.867	87.416	82,6
8	44.024	69.131	57,0
9	46.633	78.971	69,3
10	50.109	82.611	64,9
11	61.852	91.424	47,8
TOPLAM / TOTAL	521.942	840.925	61,1

Yıl / Year	1	2	3	4	5	6	7	8	9	10	11	12	1-11 Toplam / Total	Toplam / Total	1-11 Yerli / Local	1-11 İthal / Import	İthal Oran / Import %
2013	25.835	36.814	51.785	56.999	62.383	58.290	55.712	51.611	52.925	46.985	64.117	101.199	563.456	664.655	124.906	438.550	77,8
2014	24.368	27.167	37.812	42.769	46.379	47.278	46.602	45.131	49.262	50.814	59.695	110.054	477.277	587.331	125.260	352.017	73,8
2015	24.498	40.817	61.676	70.211	62.878	67.766	64.218	61.753	47.088	47.954	62.397	114.340	611.256	725.596	153.170	458.086	74,9
2016	23.358	40.588	63.975	65.618	73.832	71.111	45.566	53.977	51.340	63.746	95.783	108.044	648.894	756.938	158.914	489.980	75,5
2017	25.689	34.658	55.616	57.998	65.799	66.164	62.384	54.890	53.423	70.488	75.956	99.694	623.065	722.759	185.161	437.904	70,3
2018	26.611	35.901	59.798	55.108	57.227	41.225	42.024	26.976	17.595	16.809	46.204	60.843	425.478	486.321	141.095	284.383	66,8
2019	10.979	19.205	38.628	24.416	27.126	36.024	15.398	21.544	35.308	39.996	47.803	70.829	316.427	387.256	126.682	189.745	60,0
2020	22.016	37.727	39.887	21.825	25.073	57.067	69.427	44.372	71.296	76.341	64.357	80.721	529.388	610.109	214.424	314.964	59,5
2021	35.358	44.749	76.357	48.375	43.138	62.348	36.311	44.756	43.408	40.512	42.982	43.559	518.294	561.853	205.214	313.080	60,4
2022	29.020	37.641	50.173	45.564	51.750	64.134	41.031	35.230	44.681	47.440	59.222	86.774	505.886	592.660	193.097	312.789	61,8
2023	37.288	58.907	79.226	77.398	87.418	91.135	87.416	69.131	78.971	82.611	91.424		840.925	840.925	269.580	571.345	67,9



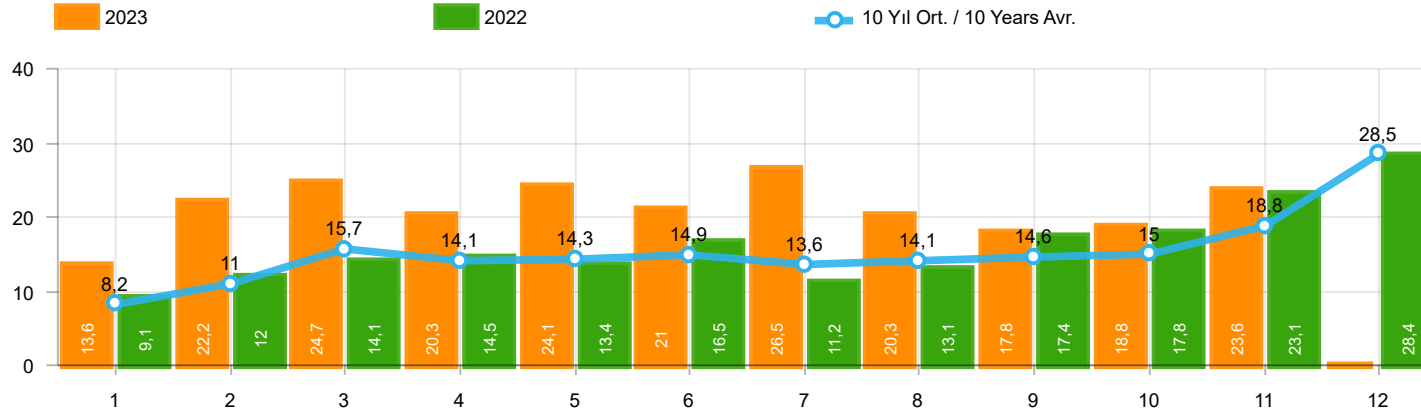
Aylar / Months	10 Yıl Ort / 10 Years Avr.	2023	%
1	9.739	16.290	67,3
2	13.281	25.874	94,8
3	19.052	30.432	59,7
4	16.779	24.678	47,1
5	17.164	28.809	67,8
6	18.006	25.217	40,1
7	15.828	30.231	91,0
8	16.285	24.278	49,1
9	17.288	21.891	26,6
10	17.541	22.570	28,7
11	21.938	28.105	28,1
TOPLAM / TOTAL	182.899	278.375	52,2

Yıl / Year	1	2	3	4	5	6	7	8	9	10	11	12	1-11 Toplam / Total	Toplam / Total	1-11 Yerli / Local	1-11 İthal / Import	İthal Oran / Import %
2013	11.728	14.319	21.158	20.266	23.452	19.753	19.440	16.051	18.463	13.705	19.353	34.849	197.688	232.537	111.937	85.751	43,4
2014	10.383	10.492	13.500	14.344	16.068	17.017	16.168	18.172	21.502	18.928	24.673	44.789	181.247	226.036	103.517	77.730	42,9
2015	12.758	18.404	28.089	25.971	22.926	23.305	23.140	23.491	20.093	19.132	26.034	50.124	243.343	293.467	141.433	101.910	41,9
2016	11.011	14.252	21.957	22.130	23.258	23.555	14.166	19.677	18.073	21.920	29.679	37.662	219.678	257.340	120.384	99.294	45,2
2017	10.951	13.927	20.562	20.233	22.267	19.656	22.343	19.928	20.623	23.951	27.816	41.813	222.257	264.070	120.388	101.869	45,8
2018	9.914	12.867	19.802	18.778	17.769	11.563	12.170	8.161	6.320	5.512	13.202	19.171	136.058	155.229	70.493	65.565	48,2
2019	3.868	6.364	12.023	7.528	6.821	7.875	3.044	5.288	7.760	10.292	11.772	22.056	82.635	104.691	44.435	38.200	46,2
2020	6.107	11.221	11.667	5.340	8.235	15.722	19.992	19.198	22.110	20.784	18.467	27.198	158.843	186.041	100.836	58.007	36,5
2021	9.950	16.576	23.689	16.176	14.372	20.956	13.421	15.817	16.309	19.552	21.105	23.074	187.923	210.997	106.612	81.311	43,3
2022	10.721	14.389	18.068	17.020	16.471	20.654	14.393	17.067	21.623	21.632	27.277	35.188	199.315	234.503	119.971	79.344	39,8
2023	16.290	25.874	30.432	24.678	28.809	25.217	30.231	24.278	21.891	22.570	28.105		278.375	278.375	139.615	138.760	49,8



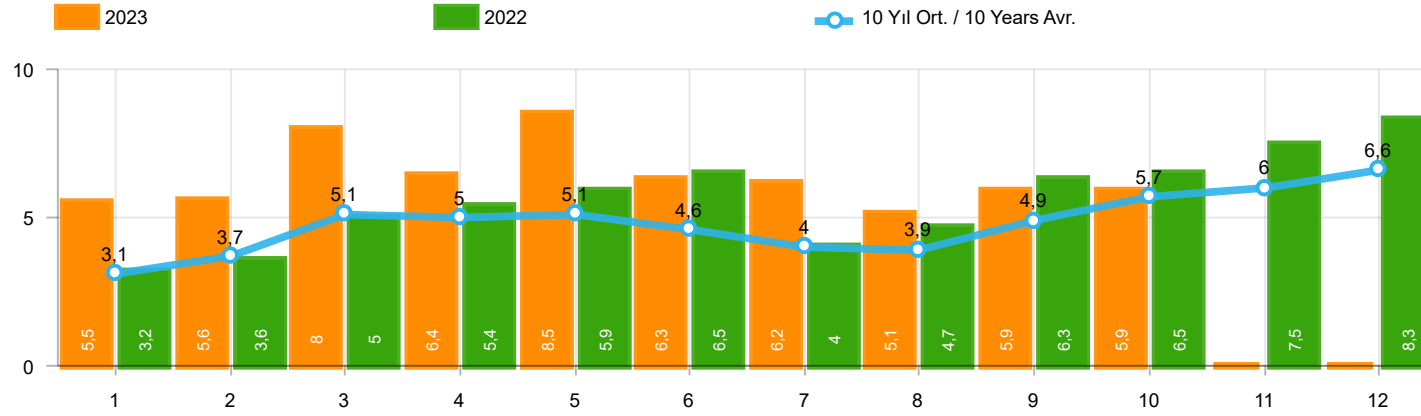
Aylar / Months	10 Yıl Ort / 10 Years Avr.	2023	%
1	32.943	50.894	54,5
2	46.561	81.148	74,3
3	69.268	103.929	50,0
4	62.943	97.679	55,2
5	65.836	111.556	69,4
6	72.078	112.163	55,6
7	61.429	113.959	85,5
8	58.083	89.454	54,0
9	61.233	96.793	58,1
10	65.094	101.367	55,7
11	80.674	115.040	42,6
TOPLAM / TOTAL	676.141	1.073.982	58,8

Yıl / Year	1	2	3	4	5	6	7	8	9	10	11	12	1-11 Toplam / Total	Toplam / Total	1-11 Yerli / Local	1-11 İthal / Import	İthal Oran / Import %
2013	35.523	48.307	68.774	73.575	81.468	74.096	71.596	65.043	67.963	58.014	79.301	129.718	723.660	853.378	208.198	515.462	71,2
2014	32.670	35.021	47.581	53.305	58.121	60.163	59.907	60.199	66.531	66.573	80.621	146.989	620.692	767.681	200.483	420.209	67,7
2015	34.615	55.331	83.302	91.602	81.542	86.158	83.836	82.577	64.025	64.255	84.601	156.173	811.844	968.017	263.268	548.576	67,6
2016	32.713	52.825	82.948	84.887	93.904	91.540	58.533	71.556	67.593	83.000	122.309	141.912	841.808	983.720	259.634	582.174	69,2
2017	35.323	46.965	73.802	75.988	85.422	83.658	82.297	72.536	71.352	91.752	100.859	136.240	819.954	956.194	287.420	532.534	64,9
2018	35.076	47.009	76.345	71.126	72.755	51.037	52.734	34.346	23.028	21.571	58.204	77.706	543.231	620.937	199.421	343.810	63,3
2019	14.373	24.875	49.221	30.971	33.016	42.688	17.927	26.246	41.992	49.075	58.176	90.500	388.560	479.060	163.844	224.716	57,8
2020	27.273	47.122	50.008	26.457	32.235	70.973	87.401	61.533	90.619	94.733	80.141	104.293	668.495	772.788	301.934	366.561	54,8
2021	43.728	58.504	96.428	61.488	54.734	79.819	47.849	58.454	57.141	56.746	60.216	62.243	675.107	737.350	291.464	383.643	56,8
2022	38.131	49.652	64.267	60.035	65.167	80.652	52.206	48.336	62.084	65.222	82.311	115.220	668.063	783.283	287.988	380.075	56,9
2023	50.894	81.148	103.929	97.679	111.556	112.163	113.959	89.454	96.793	101.367	115.040		1.073.982	1.073.982	378.758	695.224	64,7



Aylar / Months	10 Yıl Ort / 10 Years Avr.	2023	%
1	8.169	13.606	66,6
2	11.034	22.241	101,6
3	15.697	24.703	57,4
4	14.055	20.281	44,3
5	14.278	24.138	69,1
6	14.938	21.028	40,8
7	13.561	26.543	95,7
8	14.059	20.323	44,6
9	14.600	17.822	22,1
10	14.986	18.756	25,2
11	18.822	23.616	25,5
TOPLAM / TOTAL	154.199	233.057	51,1

Yıl / Year	1	2	3	4	5	6	7	8	9	10	11	12	1-11 Toplam / Total	Toplam / Total	1-11 Yerli / Local	1-11 İthal / Import	İthal Oran / Import %
2013	9.688	11.493	16.989	16.576	19.085	15.806	15.884	13.432	15.038	11.029	15.184	28.519	160.204	188.723	83.292	76.912	48,0
2014	8.302	7.854	9.769	10.536	11.742	12.885	13.305	15.068	17.269	15.759	20.926	36.935	143.415	180.350	75.223	68.192	47,5
2015	10.117	14.514	21.626	21.391	18.664	18.392	19.618	20.824	16.937	16.301	22.204	41.833	200.588	242.421	110.098	90.490	45,1
2016	9.355	12.237	18.973	19.269	20.072	20.429	12.967	17.579	16.253	19.254	26.526	33.868	192.914	226.782	100.720	92.194	47,8
2017	9.634	12.307	18.186	17.990	19.623	17.494	19.913	17.646	17.929	21.264	24.903	36.546	196.889	233.435	102.259	94.630	48,1
2018	8.465	11.108	16.547	16.018	15.528	9.812	10.710	7.370	5.433	4.762	12.000	16.863	117.753	134.616	58.326	59.427	50,5
2019	3.394	5.670	10.593	6.555	5.890	6.664	2.529	4.702	6.684	9.079	10.373	19.671	72.133	91.804	37.162	34.971	48,5
2020	5.257	9.395	10.121	4.632	7.162	13.906	17.974	17.161	19.323	18.392	15.784	23.572	139.107	162.679	87.510	51.597	37,1
2021	8.370	13.755	20.071	13.113	11.596	17.471	11.538	13.698	13.733	16.234	17.234	18.684	156.813	175.497	86.250	70.563	45,0
2022	9.111	12.011	14.094	14.471	13.417	16.518	11.175	13.106	17.403	17.782	23.089	28.446	162.177	190.623	94.891	67.286	41,5
2023	13.606	22.241	24.703	20.281	24.138	21.028	26.543	20.323	17.822	18.756	23.616		233.057	233.057	109.178	123.879	53,2



Aylar / Months	10 Yıl Ort / 10 Years Avr.	2023	%
1	3.083	5.533	79,5
2	3.701	5.569	50,5
3	5.145	7.959	54,7
4	5.014	6.433	28,3
5	5.055	8.511	68,4
6	4.576	6.269	37,0
7	3.957	6.221	57,2
8	3.888	5.072	30,5
9	4.945	5.943	20,2
10	5.655	5.897	4,3
TOPLAM / TOTAL	45.018	63.407	40,9

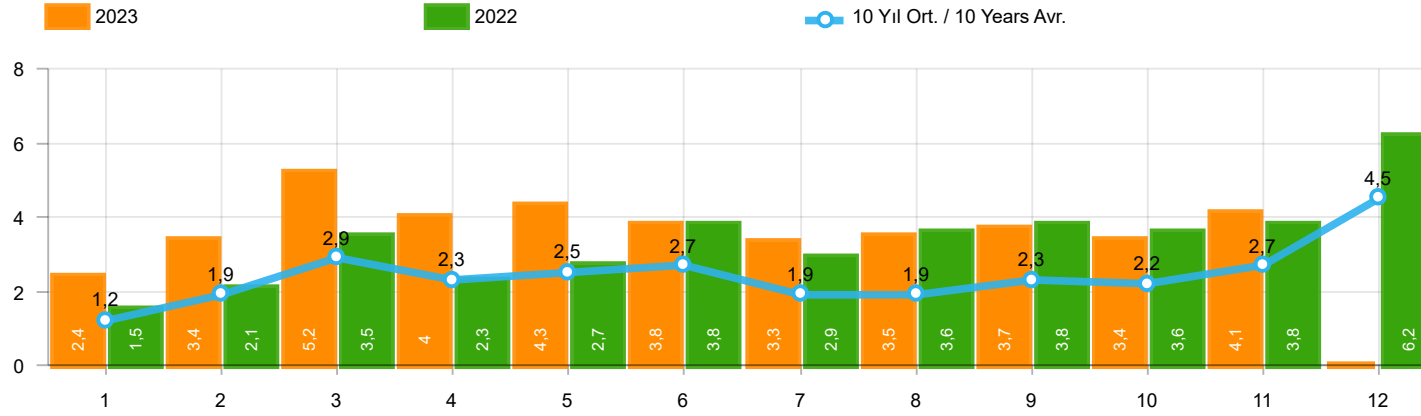
Yıl / Year	1	2	3	4	5	6	7	8	9	10	11	12	1-10 Toplam / Total	Toplam / Total
2013	2.161	2.432	4.005	4.585	5.616	3.136	4.574	3.408	4.935	4.762	5.781	6.891	39.614	52.286
2014	2.169	3.512	4.476	4.905	5.094	5.028	4.233	4.920	5.619	5.743	6.250	7.409	45.699	59.358
2015	3.124	3.984	5.460	6.383	6.078	5.748	4.677	5.044	4.765	7.049	6.898	7.564	52.312	66.774
2016	3.739	4.731	7.067	6.546	6.575	5.543	3.833	5.134	4.945	7.372	7.090	7.603	55.485	70.178
2017	3.974	4.964	6.773	6.780	7.057	5.356	5.003	4.396	6.064	7.734	7.457	7.351	58.101	72.909
2018	4.362	4.179	5.925	5.216	4.584	3.146	3.654	2.587	3.541	3.698	3.578	3.886	40.892	48.356
2019	1.311	1.401	2.143	2.126	2.229	1.538	2.039	1.579	2.284	2.828	3.037	3.782	19.478	26.297
2020	2.425	2.778	3.771	2.606	3.244	4.173	3.727	3.974	4.928	5.466	5.831	6.221	37.092	49.144
2021	4.411	5.395	6.845	5.581	4.200	5.571	3.846	3.093	6.100	5.351	6.901	6.776	50.393	64.070
2022	3.152	3.636	4.988	5.408	5.873	6.520	3.985	4.740	6.265	6.542	7.514	8.319	51.109	66.942
2023	5.533	5.569	7.959	6.433	8.511	6.269	6.221	5.072	5.943	5.897	-	-	63.407	63.407

Kaynak: TÜİK trafik kayıtları.

Rakamlar, son iki model yılına ait traktör tescillerinden oluşmaktadır.

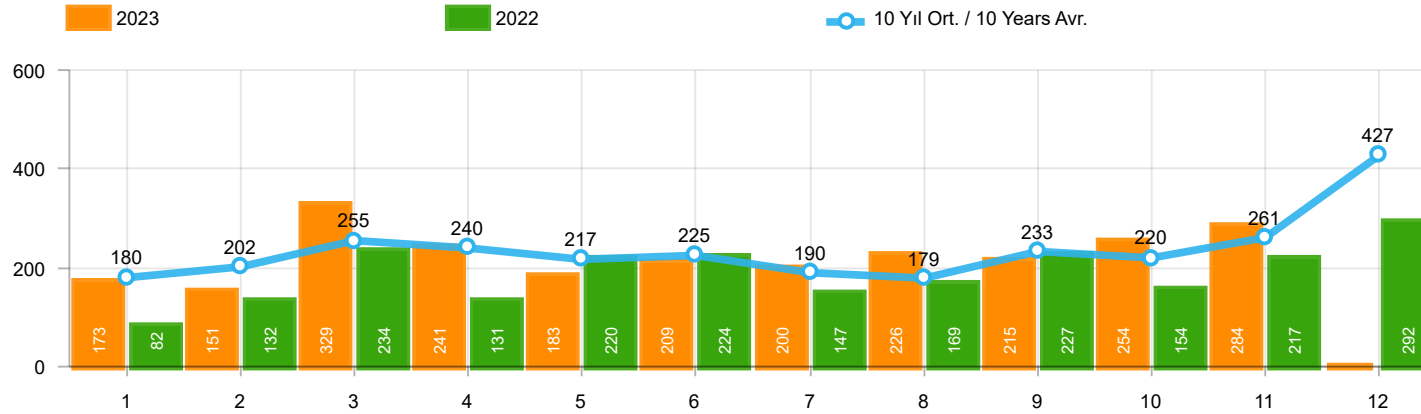
Source: Turkish Statistical Institute – Traffic registrations

Data represents the last two model year's farm tractors registration figures



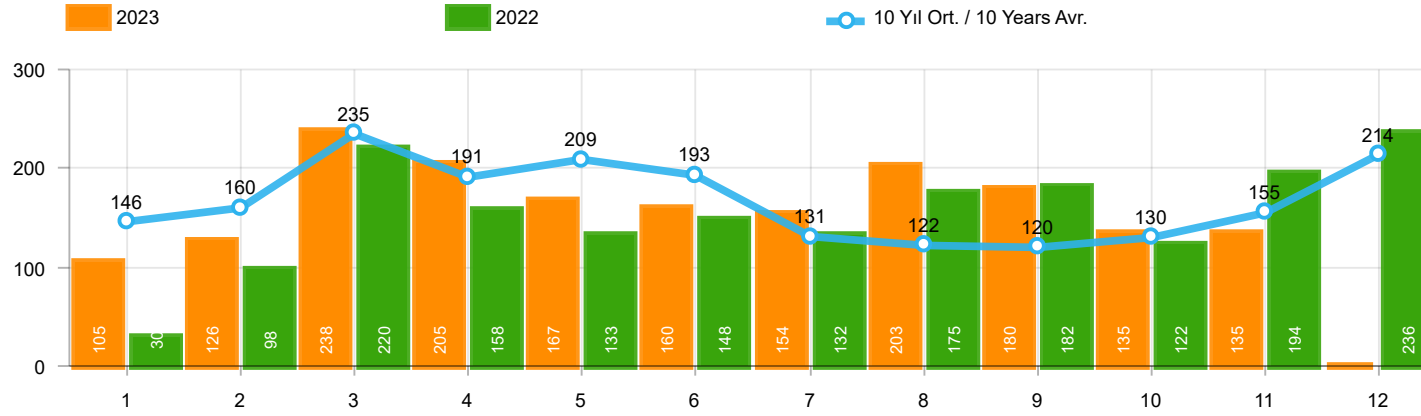
Aylar / Months	10 Yıl Ort / 10 Years Avr.	2023	%
1	1.244	2.406	93,3
2	1.885	3.356	78,0
3	2.865	5.162	80,2
4	2.293	3.951	72,3
5	2.460	4.321	75,6
6	2.650	3.820	44,1
7	1.945	3.334	71,4
8	1.925	3.526	83,2
9	2.335	3.674	57,4
10	2.205	3.425	55,3
11	2.700	4.070	50,7
TOPLAM / TOTAL	24.508	41.045	67,5

Yıl / Year	1	2	3	4	5	6	7	8	9	10	11	12	1-11 Toplam / Total	Toplam / Total	1-11 Yerli / Local	1-11 İthal / Import	İthal Oran / Import %
2013	1.484	2.113	3.343	2.925	3.504	3.186	2.777	2.103	2.875	2.086	3.631	5.444	30.027	35.471	21.215	8.812	29,3
2014	1.522	2.065	3.094	3.224	3.727	3.726	2.578	2.783	3.708	2.858	3.384	6.869	32.669	39.538	23.288	9.381	28,7
2015	2.215	3.346	5.699	3.729	3.600	4.253	2.922	2.211	2.687	2.266	3.146	7.307	36.074	43.381	24.723	11.351	31,5
2016	1.167	1.648	2.515	2.319	2.711	2.623	984	1.796	1.438	2.238	2.485	3.127	21.924	25.051	14.855	7.069	32,2
2017	931	1.290	1.982	1.888	2.184	1.891	1.974	1.860	2.284	2.188	2.487	4.438	20.959	25.397	13.734	7.225	34,5
2018	1.237	1.552	2.630	2.328	1.909	1.272	1.235	603	653	488	905	1.695	14.812	16.507	8.685	6.127	41,4
2019	342	579	1.255	842	728	981	435	497	854	1.047	1.100	2.087	8.660	10.747	5.431	3.229	37,3
2020	682	1.475	1.290	628	921	1.570	1.809	1.835	2.660	2.239	2.537	3.358	17.646	21.004	11.236	6.410	36,3
2021	1.366	2.633	3.319	2.788	2.617	3.238	1.799	1.942	2.377	3.067	3.549	4.045	28.695	32.740	17.947	10.748	37,5
2022	1.498	2.148	3.520	2.260	2.701	3.764	2.939	3.617	3.811	3.574	3.777	6.214	33.609	39.823	21.551	12.058	35,9
2023	2.406	3.356	5.162	3.951	4.321	3.820	3.334	3.526	3.674	3.425	4.070		41.045	41.045	26.164	14.881	36,3



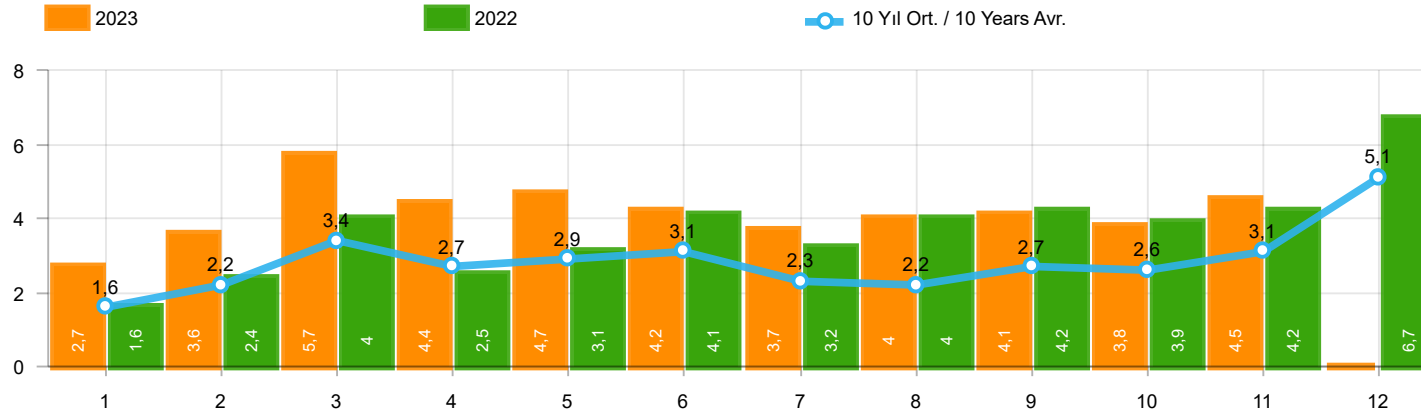
Aylar / Months	10 Yıl Ort / 10 Years Avr.	2023	%
1	180	173	-3,8
2	202	151	-25,1
3	255	329	28,8
4	240	241	0,6
5	217	183	-15,7
6	225	209	-7,1
7	190	200	5,4
8	179	226	26,0
9	233	215	-7,7
10	220	254	15,5
11	261	284	9,0
TOPLAM / TOTAL	2.401	2.465	2,7

Yıl / Year	1	2	3	4	5	6	7	8	9	10	11	12	1-11 Toplam / Total	Toplam / Total
2013	191	268	289	276	283	241	367	235	305	392	415	697	3.262	3.959
2014	360	394	384	333	294	258	216	229	395	220	266	653	3.349	4.002
2015	280	322	451	561	372	405	389	253	316	394	325	621	4.068	4.689
2016	309	158	251	302	261	196	139	220	241	230	354	431	2.661	3.092
2017	212	211	227	231	272	156	250	235	318	268	317	594	2.697	3.291
2018	134	142	410	296	207	315	180	146	160	155	184	425	2.329	2.754
2019	57	61	63	96	106	189	55	44	138	138	257	244	1.204	1.448
2020	104	221	128	35	97	134	111	123	77	71	82	137	1.183	1.320
2021	70	108	117	135	58	131	44	139	153	178	188	172	1.321	1.493
2022	82	132	234	131	220	224	147	169	227	154	217	292	1.937	2.229
2023	173	151	329	241	183	209	200	226	215	254	284		2.465	2.465



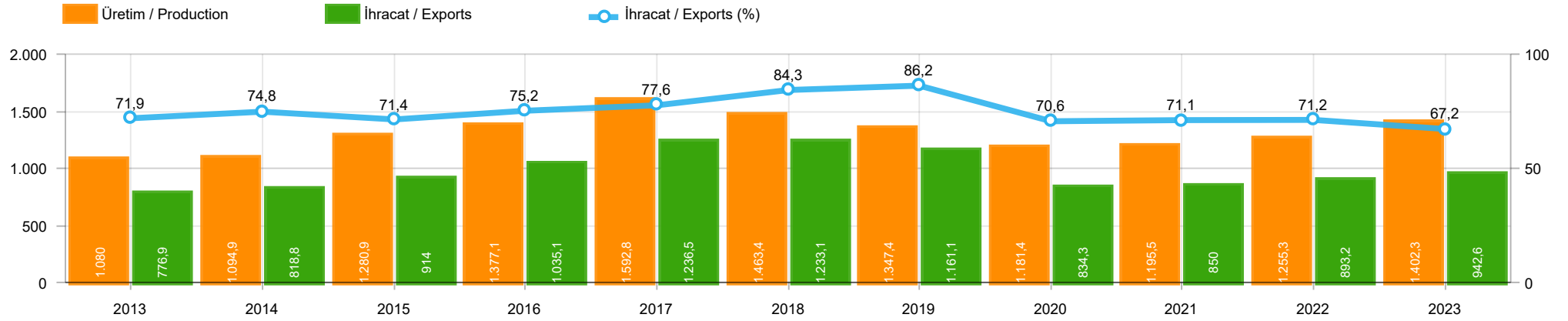
Aylar / Months	10 Yıl Ort / 10 Years Avr.	2023	%
1	146	105	-27,8
2	160	126	-21,3
3	235	238	1,5
4	191	205	7,4
5	209	167	-20,0
6	193	160	-16,9
7	131	154	17,2
8	122	203	65,8
9	120	180	50,4
10	130	135	3,8
11	155	135	-12,8
TOPLAM / TOTAL	1.791	1.808	1,0

Yıl / Year	1	2	3	4	5	6	7	8	9	10	11	12	1-11 Toplam / Total	Toplam / Total	1-11 Yerli / Local	1-11 İthal / Import	İthal Oran / Import %
2013	365	445	537	489	580	520	412	281	245	198	123	189	4.195	4.384	4.168	27	0,6
2014	199	179	253	251	305	148	69	92	130	91	97	332	1.814	2.146	1.657	157	8,7
2015	146	222	313	290	290	255	211	203	153	171	359	363	2.613	2.976	2.544	69	2,6
2016	180	209	218	240	214	307	76	82	141	198	314	236	2.179	2.415	2.148	31	1,4
2017	174	119	167	124	188	115	206	187	92	231	109	235	1.712	1.947	1.698	14	0,8
2018	78	65	215	136	125	164	45	42	74	107	113	188	1.164	1.352	1.153	11	0,9
2019	75	54	112	35	97	41	25	45	84	28	42	54	638	692	638	-	-
2020	64	130	128	45	55	112	98	79	50	82	64	131	907	1.038	907	-	-
2021	144	80	182	140	101	116	40	38	46	73	134	173	1.094	1.267	1.094	-	-
2022	30	98	220	158	133	148	132	175	182	122	194	236	1.592	1.828	1.592	-	-
2023	105	126	238	205	167	160	154	203	180	135	135		1.808	1.808	1.808	-	-



Aylar / Months	10 Yıl Ort / 10 Years Avr.	2023	%
1	1.570	2.684	71,0
2	2.247	3.633	61,7
3	3.355	5.729	70,8
4	2.724	4.397	61,4
5	2.886	4.671	61,9
6	3.068	4.189	36,5
7	2.266	3.688	62,7
8	2.226	3.955	77,6
9	2.687	4.069	51,4
10	2.555	3.814	49,3
11	3.116	4.489	44,1
TOPLAM / TOTAL	28.699	45.318	57,9

Yıl / Year	1	2	3	4	5	6	7	8	9	10	11	12	1-11 Toplam / Total	Toplam / Total	1-11 Yerli / Local	1-11 İthal / Import	İthal Oran / Import %
2013	2.040	2.826	4.169	3.690	4.367	3.947	3.556	2.619	3.425	2.676	4.169	6.330	37.484	43.814	28.645	8.839	23,6
2014	2.081	2.638	3.731	3.808	4.326	4.132	2.863	3.104	4.233	3.169	3.747	7.854	37.832	45.686	28.294	9.538	25,2
2015	2.641	3.890	6.463	4.580	4.262	4.913	3.522	2.667	3.156	2.831	3.830	8.291	42.755	51.046	31.335	11.420	26,7
2016	1.656	2.015	2.984	2.861	3.186	3.126	1.199	2.098	1.820	2.666	3.153	3.794	26.764	30.558	19.664	7.100	26,5
2017	1.317	1.620	2.376	2.243	2.644	2.162	2.430	2.282	2.694	2.687	2.913	5.267	25.368	30.635	18.129	7.239	28,5
2018	1.449	1.759	3.255	2.760	2.241	1.751	1.460	791	887	750	1.202	2.308	18.305	20.613	12.167	6.138	33,5
2019	474	694	1.430	973	931	1.211	515	586	1.076	1.213	1.399	2.385	10.502	12.887	7.273	3.229	30,7
2020	850	1.826	1.546	708	1.073	1.816	2.018	2.037	2.787	2.392	2.683	3.626	19.736	23.362	13.326	6.410	32,5
2021	1.580	2.821	3.618	3.063	2.776	3.485	1.883	2.119	2.576	3.318	3.871	4.390	31.110	35.500	20.362	10.748	34,5
2022	1.610	2.378	3.974	2.549	3.054	4.136	3.218	3.961	4.220	3.850	4.188	6.742	37.138	43.880	25.080	12.058	32,5
2023	2.684	3.633	5.729	4.397	4.671	4.189	3.688	3.955	4.069	3.814	4.489		45.318	45.318	30.437	14.881	32,8



	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
İhracat/Export	776.884	818.801	913.993	1.035.057	1.236.515	1.233.074	1.161.130	834.310	850.043	893.198	942.588
Üretim/Production	1.080.004	1.094.928	1.280.871	1.377.078	1.592.781	1.463.460	1.347.371	1.181.360	1.195.459	1.255.273	1.402.304
İhracat/Exports (%)	71,9	74,8	71,4	75,2	77,6	84,3	86,2	70,6	71,1	71,2	67,2

Taşıt Araçları İhracatı (2021 - 2023)
Motor Vehicle Exports (2021 - 2023)

SEKTÖR / SECTOR	2021	2022	1/11-2022	1/11-2023	2023/2022 %
OTOMOBİL / Pass.Car	565.370	571.218	509.362	601.665	18,1
OTOMOBİL TOPLAM / Pass. Car Total	565.370	571.218	509.362	601.665	18,1
KAMYON / Truck	17.293	20.123	18.315	20.199	10,3
KAMYONET / Pick Up	310.874	335.148	309.328	263.277	-14,9
OTOBÜS / Bus	4.750	6.579	5.724	8.360	46,1
MİNİBÜS / Minibus	37.741	36.016	32.604	31.243	-4,2
MİDİBÜS / Midibus	987	1.040	852	1.479	73,6
TİCARİ ARAÇLAR TOPLAM / Commercial Vehicle Total	371.645	398.906	366.823	324.558	-11,5
TAŞIT ARAÇLARI TOPLAM / Motor Vehicles Total	937.015	970.124	876.185	926.223	5,7
TRAKTÖR / F.Tractor	17.038	18.154	17.013	16.365	-3,8
TRAKTÖR TOPLAM / F.Tractor Total	17.038	18.154	17.013	16.365	-3,8
GENEL TOPLAM / GRAND TOTAL	954.053	988.278	893.198	942.588	5,5

Üretici Bazında İhracat (adet)
Exports by Manufacturer (unit)

Üreticiler / Manufacturers	2021	2022	1-11 / 2022	1-11 / 2023
A.I.O.S.	1.100	911	731	972
FORD OTOSAN	287.609	297.828	271.248	283.422
HATTAT TRAKTÖR	862	1.059	1.014	676
HYUNDAI ASSAN	138.739	176.664	163.777	187.382
KARSAN	2.135	301	235	346
M. BENZ TÜRK	13.911	15.674	14.243	16.862
MAN TÜRKİYE	1.573	1.786	1.582	2.533
OTOKAR	749	1.506	1.140	2.197
OYAK RENAULT	187.923	176.844	146.677	207.822
TEMSA	599	587	512	1.071
TOFAŞ	112.465	121.477	116.395	55.850
TOYOTA	187.907	176.546	159.645	167.766
TÜRK TRAKTÖR	16.176	17.095	15.999	15.689
GENEL TOPLAM / Grand Total	951.748	988.278	893.198	942.588

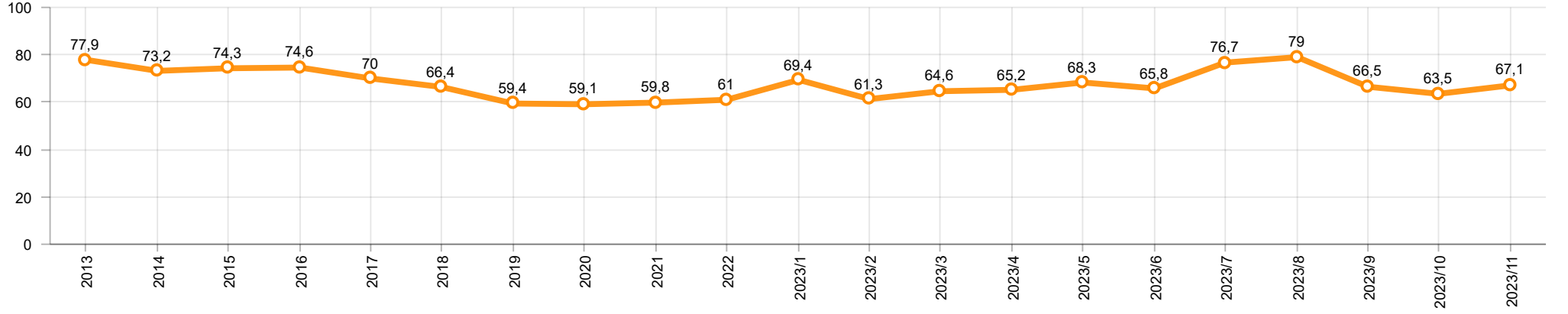
Otomotiv Ana ve Yan Sanayii İhracatı (ABD \$)
CBU and CKD Exports - \$

Sektör / Sector	2021	2022	OCAK - KASIM / January - November 2022	OCAK - KASIM / January - November 2023	2023 / 2022 %
Toplam Yan Sanayi / Total Component Industry	11.824.049.653,01	12.831.129.592,62	11.743.079.892,37	13.000.301.294,15	10,7
İç ve Dış Lastik / Tyres	1.630.367.018,49	1.767.320.167	1.642.222.826,9	1.623.980.183,51	-1,1
Emniyet Camı / Safety Glasses	203.192.140,55	234.466.834,44	214.157.450,18	243.181.133,24	13,6
Motor / Engine	296.695.616,13	233.029.231,53	221.053.044,7	237.239.293,31	7,3
Akümülatör / Batteries	509.199.445,03	547.895.439,61	487.837.370,81	431.573.275,55	-11,5
Diğer Aksam ve Parça / Spare Parts&Components	9.184.595.432,81	10.048.417.920,04	9.177.809.199,78	10.464.327.408,54	14,0
Toplam Ana Sanayi / Total Vehicle Industry	18.048.636.689,96	18.677.239.435,86	16.583.240.692,32	19.491.463.885,39	17,5
Otobüs / Bus	1.014.817.251,08	1.201.795.118,6	1.035.165.943,56	1.573.123.094,62	52,0
Midibüs-Minibüs / Midibus-Minibus	193.913.261,22	163.044.669,04	141.948.171,63	287.308.661,45	102,4
Otomobil / P.Cars	9.272.072.907,39	9.069.547.725,1	7.976.048.901,93	9.848.420.343,13	23,5
Kamyon-Kamyonet / Truck-Pick Up&Van	5.420.090.951,32	5.633.803.021,79	5.090.229.842,99	5.084.789.941,68	-0,1
Römork ve Yarı Römork / Trailer-Semi Trailer	609.758.049,6	763.209.294,39	676.467.877,66	708.142.714,99	4,7
Çekici / Tractor	1.018.262.590,07	1.266.205.170,15	1.137.224.269,84	1.430.582.641,9	25,8
Tarım Traktörü / Farm Tractor	519.721.679,28	579.634.436,79	526.155.684,71	559.096.487,62	6,3
Toplam / Total	29.872.686.342,97	31.508.369.028,48	28.326.320.584,69	32.491.765.179,54	14,7

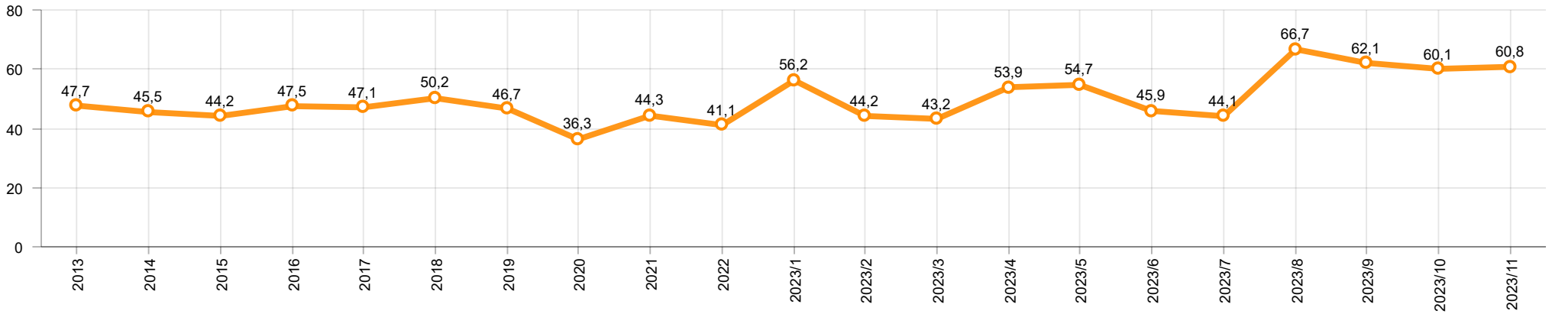
Kaynak: Uludağ İhracatçı Birlikleri . ÜİB tarafından OSD için özel olarak analiz edilen Otomotiv İhracatı kapsamında; ÜİB Türkiye Geneli Otomotiv Endüstrisi sınıflandırmasına kıyasla “Römork ve Yarı Römork” , “Tarım Traktörü” verileri dahil edilmekte; “Kullanılmış Araçlar” ,”İki Tekerlekli Taşıtlar” , “Demiryolu Taşıtları” hariç tutulmaktadır.

Source: Uludağ Exporters Association – Special Analyze for OSD.Compared to Turkish General Automotive Industry classification, this special analyze includes; farms tractors, trailers and semi-trailers, does not include; used vehicles, two-wheeled vehicles and railway vehicles

Otomobil Pazarında İthalatın Payı (%)
Import Share in P.Car Market (%)



Hafif Ticari Araçlar Pazarında İthalatın Payı (%)
Import Share in LCV Market (%)



Araç Tipleri / Vehicle Types	1	2	3	4	5	6	7	8	9	10	11	12	Toplam / Total
OTOMOBİL - Pass.Car	51.122	46.473	59.168	48.634	58.456	61.620	50.196	50.261	47.918	66.456	61.361		601.665
KAMYON - H. Truck	1.294	1.789	1.757	1.222	1.834	1.701	2.026	1.557	2.038	2.377	2.400		19.995
K.KAMYON - L. Truck	25	18	19	1	33	60	11	3	19	10	5		204
KAMYONET - Pick Up	23.167	26.083	29.741	21.455	21.723	23.148	24.290	14.905	23.243	26.733	28.789		263.277
OTOBÜS - Bus	479	584	754	709	788	758	756	757	880	857	1.038		8.360
MİNİBÜS - Minibus	3.212	3.734	4.144	3.268	3.070	3.174	3.453	2.305	2.975	1.551	357		31.243
MİDİBÜS - Midibus	82	82	118	122	115	188	143	159	135	142	193		1.479
TİCARİ ARAÇLAR TOPLAMI - CV Total	28.259	32.290	36.533	26.777	27.563	29.029	30.679	19.686	29.290	31.670	32.782		324.558
TAŞIT ARAÇLARI TOPLAMI - MV Total	79.381	78.763	95.701	75.411	86.019	90.649	80.875	69.947	77.208	98.126	94.143		926.223
TRAKTÖR - F.Tractor	1.718	1.698	1.813	1.681	1.680	1.605	1.677	1.216	1.374	1.186	717		16.365
GENEL TOPLAM - Grand Total	81.099	80.461	97.514	77.092	87.699	92.254	82.552	71.163	78.582	99.312	94.860		942.588

Otomobil / P.Car

Firmalar / Firms	1	2	3	4	5	6	7	8	9	10	11	12	Toplam / Total
FORD OTOSAN	-	-	-	-	-	-	-	-	-	-	-	-	-
HYUNDAI ASSAN	20.026	16.310	18.880	16.060	18.470	14.304	18.197	10.515	18.720	18.000	17.900	-	187.382
OYAK RENAULT	9.728	18.194	20.350	14.713	20.315	28.215	14.138	21.309	9.476	26.902	24.482	-	207.822
TOFAŞ	507	1.646	2.954	3.171	3.998	3.393	4.020	2.862	5.950	5.489	4.705	-	38.695
TOYOTA	20.861	10.323	16.984	14.690	15.673	15.708	13.841	15.575	13.772	16.065	14.274	-	167.766
TOPLAM - Total	51.122	46.473	59.168	48.634	58.456	61.620	50.196	50.261	47.918	66.456	61.361	-	601.665

Kamyonet / Pick-up

Firmalar / Firms	1	2	3	4	5	6	7	8	9	10	11	12	Toplam / Total
A.I.O.S.	-	-	-	-	-	-	-	-	-	-	-	-	-
FORD OTOSAN	20.603	23.319	26.833	20.387	20.049	22.480	22.594	14.353	23.173	24.773	27.397	-	245.961
KARSAN	-	-	-	-	-	-	-	-	-	-	-	-	-
OTOKAR	-	-	-	-	22	20	-	-	34	45	40	-	161
TOFAŞ	2.564	2.764	2.908	1.068	1.652	648	1.696	552	36	1.915	1.352	-	17.155
TOPLAM - Total	23.167	26.083	29.741	21.455	21.723	23.148	24.290	14.905	23.243	26.733	28.789	-	263.277

Minibüs / Minibus

Firmalar / Firms	1	2	3	4	5	6	7	8	9	10	11	12	Toplam / Total
FORD OTOSAN	3.212	3.734	4.138	3.268	3.070	3.160	3.451	2.277	2.916	1.535	304	-	31.065
KARSAN	-	-	6	-	-	14	2	28	59	16	53	-	178
TOPLAM - Total	3.212	3.734	4.144	3.268	3.070	3.174	3.453	2.305	2.975	1.551	357	-	31.243

Kamyon / Truck

Firmalar / Firms	1	2	3	4	5	6	7	8	9	10	11	12	Toplam / Total
A.I.O.S.	24	18	2	-	19	48	-	-	-	-	-	-	111
FORD OTOSAN	459	619	732	548	611	473	733	576	574	595	476	-	6.396
KARSAN	-	-	-	-	-	-	-	-	-	-	-	-	-
M. BENZ TÜRK	835	1.170	1.025	674	1.223	1.228	1.293	981	1.464	1.782	1.924	-	13.599
OTOKAR	1	-	-	1	6	2	6	1	10	9	5	-	41
TEMSA	-	-	17	-	8	10	5	2	9	1	-	-	52
TOPLAM - Total	1.319	1.807	1.776	1.223	1.867	1.761	2.037	1.560	2.057	2.387	2.405	-	20.199

Midibüs / Midibus

Firmalar / Firms	1	2	3	4	5	6	7	8	9	10	11	12	Toplam / Total
A.I.O.S.	39	35	54	28	39	88	38	65	58	56	123	-	623
KARSAN	-	24	19	2	5	15	9	1	8	3	12	-	98
OTOKAR	39	12	11	67	53	40	57	56	46	53	9	-	443
TEMSA	4	11	34	25	18	45	39	37	23	30	49	-	315
TOPLAM - Total	82	82	118	122	115	188	143	159	135	142	193	-	1.479

Otobüs / Bus

Firmalar / Firms	1	2	3	4	5	6	7	8	9	10	11	12	Toplam / Total
A.I.O.S.	11	21	42	26	22	22	16	24	30	12	12	-	238
KARSAN	-	2	18	-	5	15	-	1	-	6	23	-	70
M. BENZ TÜRK	285	278	320	252	316	229	344	296	266	319	358	-	3.263
MAN TÜRKİYE	86	133	218	268	266	311	151	166	325	266	343	-	2.533
OTOKAR	83	137	96	90	113	138	158	137	175	189	236	-	1.552
TEMSA	14	13	60	73	66	43	87	133	84	65	66	-	704
TOPLAM - Total	479	584	754	709	788	758	756	757	880	857	1.038	-	8.360

Traktör / F.Tractor

Firmalar / Firms	1	2	3	4	5	6	7	8	9	10	11	12	Toplam / Total
HATTAT TRAKTÖR	80	44	47	80	50	43	39	116	61	65	51	-	676
TÜRK TRAKTÖR	1.638	1.654	1.766	1.601	1.630	1.562	1.638	1.100	1.313	1.121	666	-	15.689
TOPLAM - Total	1.718	1.698	1.813	1.681	1.680	1.605	1.677	1.216	1.374	1.186	717	-	16.365

Firmalar / Firms	2022 Toplam / Total	1	2	3	4	5	6	7	8	9	10	11	12	Toplam / Total
Alfa Romeo	820	138	235	204	131	428	163	297	145	85	92	124	-	2.042
Aston Martin	28	3	-	2	1	5	3	2	1	2	1	1	-	21
Audi	14.554	848	1.662	2.457	2.044	2.006	1.834	2.008	1.675	1.637	1.581	1.721	-	19.473
Bentley	15	3	2	5	-	1	5	4	3	4	4	1	-	32
BMW	18.056	580	1.692	2.645	2.123	2.157	1.343	1.965	1.995	1.909	1.595	2.129	-	20.133
BYD	-	-	-	-	-	-	-	-	-	-	-	552	-	552
Chery	-	-	-	629	1.401	3.509	4.218	5.030	6.100	5.636	4.517	4.291	-	35.331
Citroen	21.913	1.412	2.198	3.305	2.816	5.607	6.621	3.207	3.168	2.920	3.755	4.256	-	39.265
CUPRA	2.792	112	161	1.084	715	451	1.106	1.086	955	796	1.161	872	-	8.499
Dacia	36.000	5.074	3.312	3.716	3.884	2.837	2.602	6.235	2.666	1.865	2.653	2.358	-	37.202
DFSK	352	48	69	109	12	35	8	1	5	-	-	-	-	287
DS	1.829	106	287	324	434	433	553	570	131	235	100	100	-	3.273
Ferrari	22	-	-	5	3	2	2	2	2	1	4	2	-	23
Fiat	276	23	7	220	54	125	180	92	136	232	56	35	-	1.160
Ford	8.421	558	1.510	2.639	2.610	3.121	2.585	1.970	2.263	2.476	2.096	3.459	-	25.287
Honda	21.429	1.196	1.355	1.681	1.380	2.228	1.598	1.618	1.659	1.651	1.680	2.108	-	18.154
HONGQI	-	-	-	-	-	-	-	-	-	-	15	3	-	18
Hyundai	14.198	804	656	906	1.221	610	1.344	990	1.420	636	1.464	1.481	-	11.532
Jaguar	90	1	4	16	9	32	6	2	6	5	13	15	-	109
Jeep	2.422	150	160	158	346	325	240	394	224	286	371	531	-	3.185
Kia	18.462	733	1.439	1.737	1.667	1.890	1.996	1.623	1.757	1.518	1.850	1.562	-	17.772
Lamborghini	14	-	1	2	2	-	3	2	1	1	1	3	-	16
Land Rover	1.111	185	126	192	154	192	51	172	272	265	302	260	-	2.171
LEAPMOTOR	-	-	-	-	80	50	70	20	30	50	10	45	-	355
Lexus	336	15	5	29	86	57	67	43	15	30	46	52	-	445
Maserati	314	7	14	85	83	86	32	65	37	28	43	16	-	496
Mazda	181	10	16	20	17	20	20	20	20	30	30	-	-	203
Mercedes-Benz	18.661	573	950	1.448	2.860	1.256	2.206	1.438	2.835	2.810	2.309	2.762	-	21.447
MG	1.627	420	403	570	641	790	450	1.820	1.175	1.093	2.505	2.007	-	11.874
Mini	1.385	61	109	262	71	315	171	219	304	289	223	303	-	2.327
Mitsubishi	583	2	35	30	31	24	23	19	14	13	12	2	-	205
Nissan	9.337	728	750	607	2.762	1.066	884	1.460	968	1.875	2.775	3.388	-	17.263
Opel	30.378	1.476	3.519	4.706	5.107	8.798	8.393	6.256	3.986	3.052	3.854	4.890	-	54.037
Peugeot	23.345	1.628	5.065	6.874	4.659	6.855	5.645	6.659	3.353	3.674	3.622	4.252	-	52.286
Porsche	668	184	98	95	50	96	102	69	129	85	68	66	-	1.042
Renault	17.713	1.057	1.618	455	851	1.070	3.009	2.269	3.455	1.906	2.671	1.996	-	20.357
Seat	6.142	368	395	1.030	992	831	763	918	839	479	1.098	1.180	-	8.893
SERES	-	-	-	-	-	-	-	-	-	2	-	-	-	2
Skoda	19.464	2.740	2.971	4.234	2.846	2.759	2.259	2.579	2.086	2.316	2.616	3.151	-	30.557
SKYWELL	-	-	90	95	127	50	209	50	50	750	620	500	-	2.541
Ssangyong	804	17	-	-	65	16	31	47	168	137	94	229	-	804
Subaru	622	72	113	125	72	163	134	35	30	44	15	85	-	888
Suzuki	3.601	137	636	170	244	227	496	993	459	368	314	470	-	4.514
TESLA	-	-	-	-	-	-	-	-	-	4.700	500	900	-	6.100
Toyota	5.767	1.003	475	954	485	896	1.370	1.569	1.171	857	755	1.297	-	10.832
Volkswagen	49.695	3.049	3.235	6.176	6.326	7.512	5.023	10.500	5.186	4.857	4.149	6.699	-	62.712
Volvo	8.228	368	732	1.150	964	603	1.340	1.273	751	924	842	1.181	-	10.128
GENEL TOPLAM - Grand Total	361.655	25.889	36.105	51.151	50.426	59.534	59.158	65.591	51.645	52.529	52.482	61.335	-	565.845

Firmalar / Firms	2022 Toplam / Total	1	2	3	4	5	6	7	8	9	10	11	12	Toplam / Total
Citroen	6.918	957	1.360	2.043	1.397	2.921	1.393	1.089	1.482	1.030	1.307	1.387	-	16.366
Fiat	2.561	165	487	150	822	401	1.593	1.385	2.224	1.341	2.262	1.981	-	12.811
Ford	1.323	111	58	141	32	29	124	238	266	259	131	208	-	1.597
Hyundai	2.935	248	188	513	555	513	435	494	672	592	557	422	-	5.189
Isuzu	1.317	64	91	99	218	246	116	191	110	168	59	42	-	1.404
Iveco	2.966	80	177	94	311	333	289	91	276	263	291	318	-	2.523
Kia	1.905	-	117	188	94	130	152	205	306	246	243	425	-	2.106
Land Rover	419	2	83	19	-	52	93	52	148	141	-	55	-	645
MAXUS	-	-	-	-	-	-	-	-	-	-	-	78	-	78
Mercedes-Benz	6.327	598	653	649	963	117	660	486	908	925	758	1.023	-	7.740
Mitsubishi	1.437	93	69	-	-	-	-	-	-	-	-	-	-	162
Opel	6.347	408	1.202	1.104	1.416	1.873	716	1.072	1.072	669	503	1.383	-	11.418
Peugeot	9.321	1.157	1.487	1.983	1.650	3.099	790	1.489	1.649	1.159	1.345	2.108	-	17.916
Renault	11.433	551	1.557	1.273	1.476	999	944	2.334	2.049	1.958	1.434	1.499	-	16.074
Ssangyong	489	114	69	77	122	104	92	80	85	56	73	61	-	933
Toyota	11.661	1.067	776	806	883	932	932	1.107	1.171	1.020	918	2.194	-	11.806
Volkswagen	10.646	2.027	1.466	1.527	1.002	1.452	923	1.392	1.128	1.232	1.400	1.163	-	14.712
GENEL TOPLAM - Grand Total	78.400	7.642	9.840	10.666	10.941	13.201	9.252	11.705	13.546	11.059	11.281	14.347	-	123.480