



OTOMOTİV SANAYİİ DERNEĐİ
AUTOMOTIVE MANUFACTURERS ASSOCIATION

OTOMOTİV SEKTÖRÜ AYLIK DEĐERLENDİRME RAPORU EKİM 2024

AUTOMOTIVE INDUSTRY MONTHLY REPORT
October 2024

OSD "OICA" Üyesidir © O I C A OSD is a Member of "OICA"

	10 - 2023	10 - 2024	%	1 - 10 / 2023	1 - 10 / 2024	%	11/2022 - 10/2023	11/2023 - 10/2024	%
Otomobil Üretimi/P.Cars Production	91.512	85.155	-7,0	779.329	742.303	-4,8	956.849	915.641	-4,3
Toplam Üretim/Total Production	136.178	121.970	-10,4	1.210.344	1.122.567	-7,3	1.486.127	1.380.616	-7,1
Otomobil Pazarı/P.Cars Market	82.611	75.662	-8,4	749.501	750.935	0,2	895.497	968.775	8,2
Toplam Pazar/Total Market	105.181	100.378	-4,6	999.771	983.968	-1,6	1.208.232	1.268.243	5,0
Otomobil İthalatı/P.Cars Import	52.482	53.164	1,3	504.510	532.367	5,5	591.153	678.346	14,8
Toplam İthalat/Total Import	65.161	71.652	10,0	632.941	683.858	8,0	745.216	866.743	16,3
Otomobil İhracatı/P.Cars Export	66.456	64.492	-3,0	540.304	531.680	-1,6	664.149	654.466	-1,5
Toplam İhracat/Total Export	98.126	96.744	-1,4	832.080	826.259	-0,7	1.022.888	1.012.426	-1,0
Otomobil İhracatı(\$)/P.Cars Export (\$)	992.877.116,03	1.232.824.368,5	24,2	8.904.426.410	9.039.678.864	1,5	10.833.268.638	11.069.518.580	2,2
Toplam İhracat(\$)/Total Export (\$)*	3.134.961.028,75	3.530.479.293,54	12,6	29.280.032.794	30.194.526.748	3,1	35.420.637.659	36.601.141.981	3,3

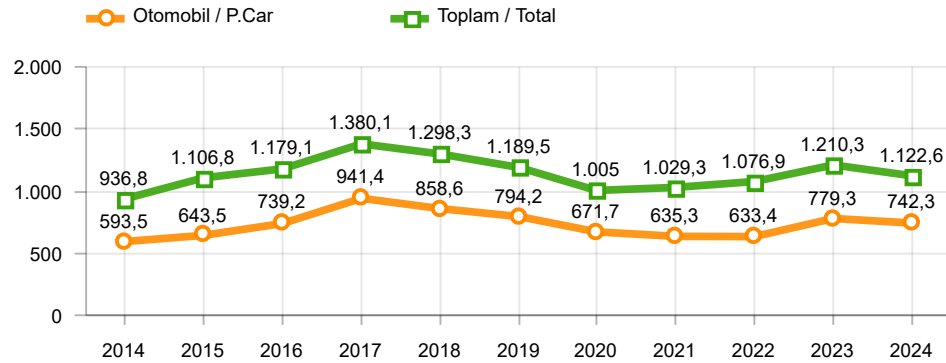
Parametreler/Parameters	10 - 2023	10 - 2024	%	1 - 10 / 2023	1 - 10 / 2024	%	11/2022 - 10/2023	11/2023 - 10/2024	%
ÜFE / PPI	1,9	1,3	-	38,7	27,2	-	58,5	43,9	-
TÜFE / CPI	3,4	2,9	-	55,0	39,8	-	54,3	62,0	-
Sanayi Endeksi / Industry Index	2,3	1,6	-	47,3	27,4	-	57,5	48,4	-
Dolar \$ ** (1 birim)	27,8	34,1	22,9	22,7	32,4	43,0	22,0	31,8	44,6
Euro € ** (1 birim)	29,3	37,3	27,2	24,5	35,2	43,9	23,6	34,6	46,3
Japon Yeni ¥ ** (100 birim)	18,5	22,8	23,5	16,1	21,4	32,5	15,7	21,1	34,5

*Toplam Sanayi / Total Industry Including Components

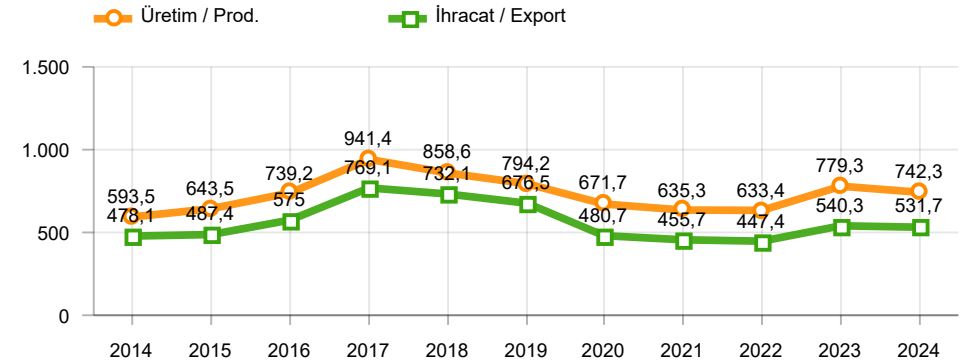
** Ortalama Değerler / Average Values

Araç Tipleri / Types	10 / 2023	10 / 2024	10 % Değişim	1-10 / 2023	1-10 / 2024	1-10 % Değişim
OTOMOBİL / Pass.Car	91.512	85.155	-6,9	779.329	742.303	-4,8
OTOMOBİL Toplam / Pass.Car Total	91.512	85.155	-6,9	779.329	742.303	-4,8
B.KAMYON / H. Truck	4.326	2.331	-46,1	39.729	26.505	-33,3
K.KAMYON / L. Truck	542	509	-6,1	4.427	4.095	-7,5
KAMYONET / Pick Up	35.151	25.205	-28,3	329.636	288.713	-12,4
OTOBÜS / Bus	1.107	800	-27,7	8.652	8.125	-6,1
MİNİBÜS / Minibus	3.111	7.541	142,4	44.589	48.795	9,4
MİDİBÜS / Midibus	429	429	-	3.982	4.031	1,2
TİCARİ ARAÇLAR Toplam / Commercial Vehicles Total	44.666	36.815	-17,6	431.015	380.264	-11,8
TAŞIT ARAÇLARI Toplam / Motor Vehicles Total	136.178	121.970	-10,4	1.210.344	1.122.567	-7,3
TRAKTÖR / F.Tractor	4.944	3.702	-25,1	48.409	39.611	-18,2
TRAKTÖR Toplam / F.Tractor Total	4.944	3.702	-25,1	48.409	39.611	-18,2
GENEL TOPLAM / Grand Total	141.122	125.672	-10,9	1.258.753	1.162.178	-7,7

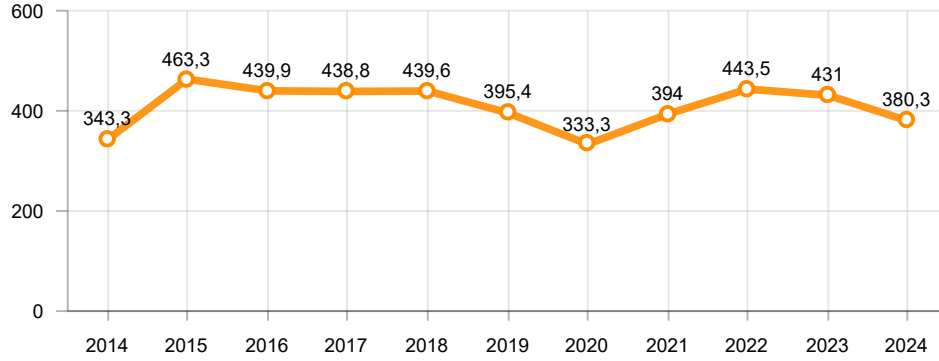
Toplam Üretim ve Otomobil Üretimi (x1000)(OCAK - EKİM)
Total & P.Cars Production (x1000)(January - October)



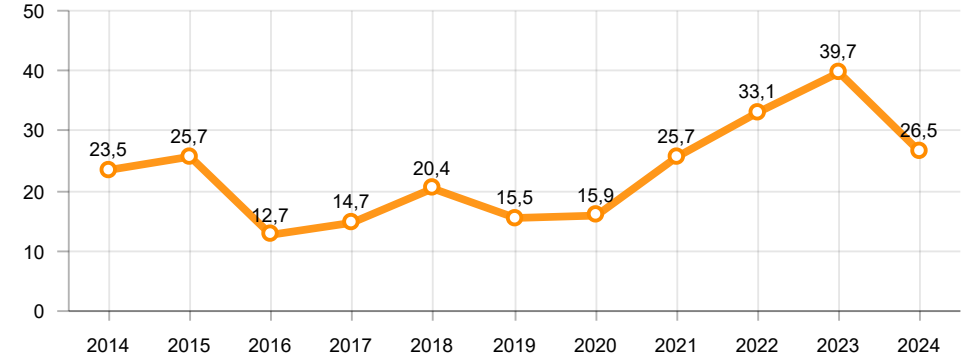
Otomobil Üretimi ve İhracat (x1000)(OCAK - EKİM)
P.Cars Production & Exports (x1000)(January - October)



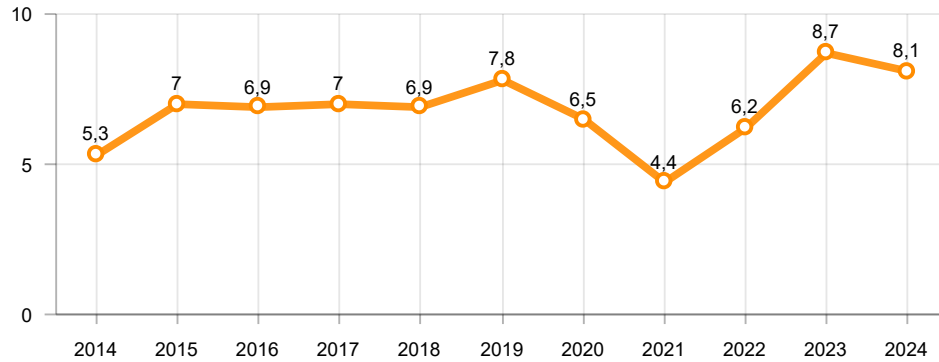
Ticari Araç Üretimi (x1000)(OCAK - EKİM)
Commercial Vehicle Production (x1000)(January - October)



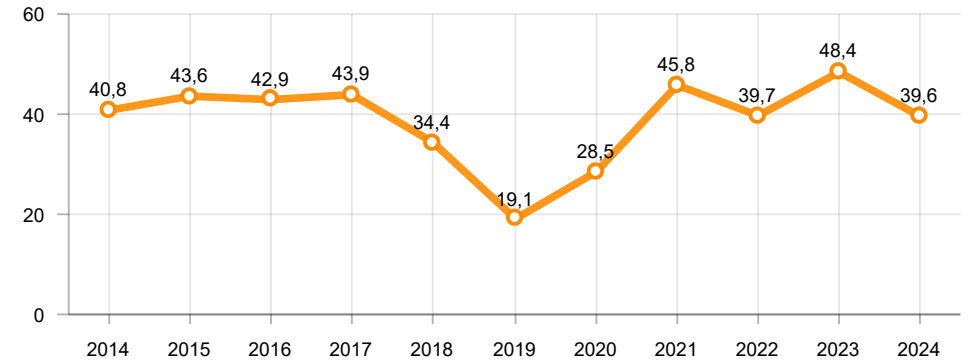
Büyük Kamyon Üretimi (x1000)(OCAK - EKİM)
Heavy Truck Production (x1000)(January - October)

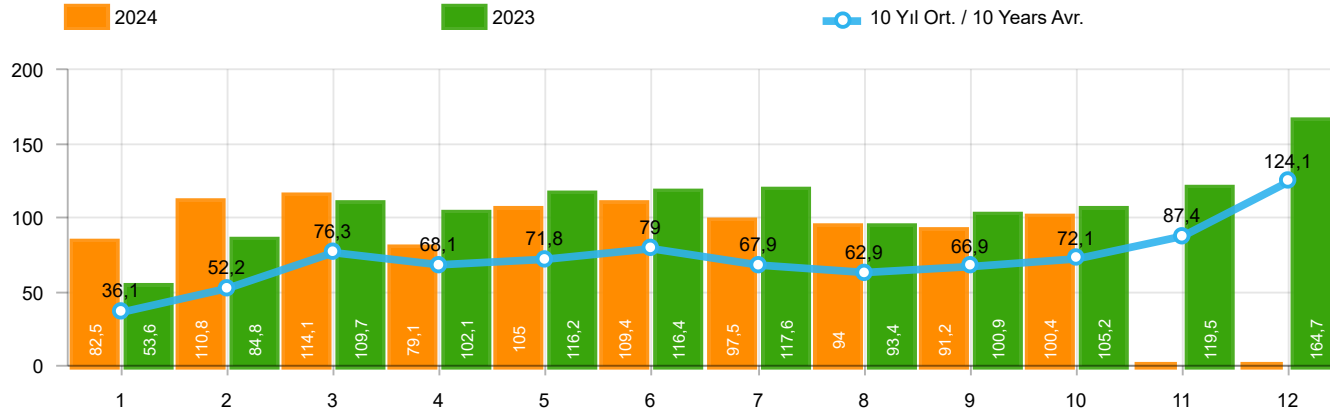


Otobüs Üretimi (x1000)(OCAK - EKİM)
Bus Production (x1000)(January - October)



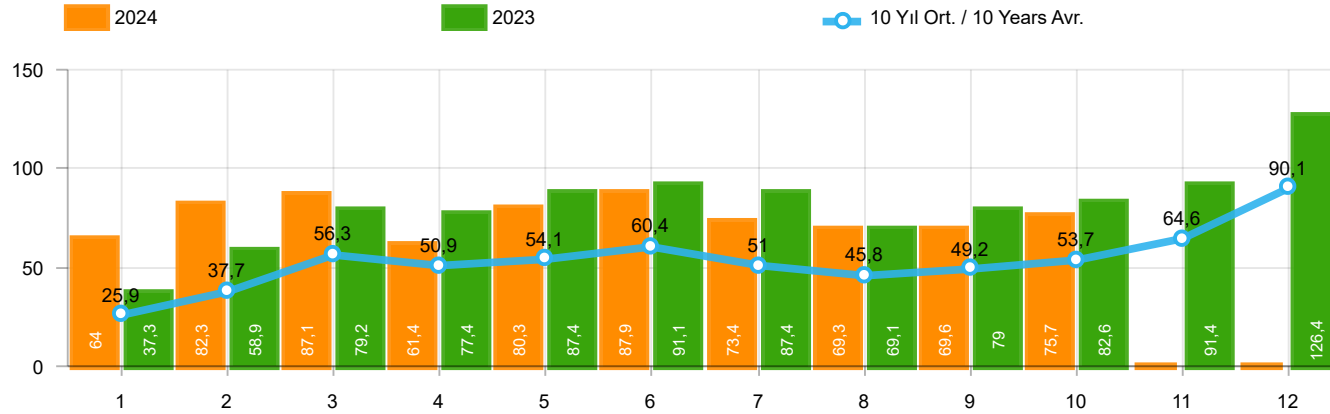
Traktör Üretimi (x1000)(OCAK - EKİM)
F. Tractor Production (x1000)(January - October)





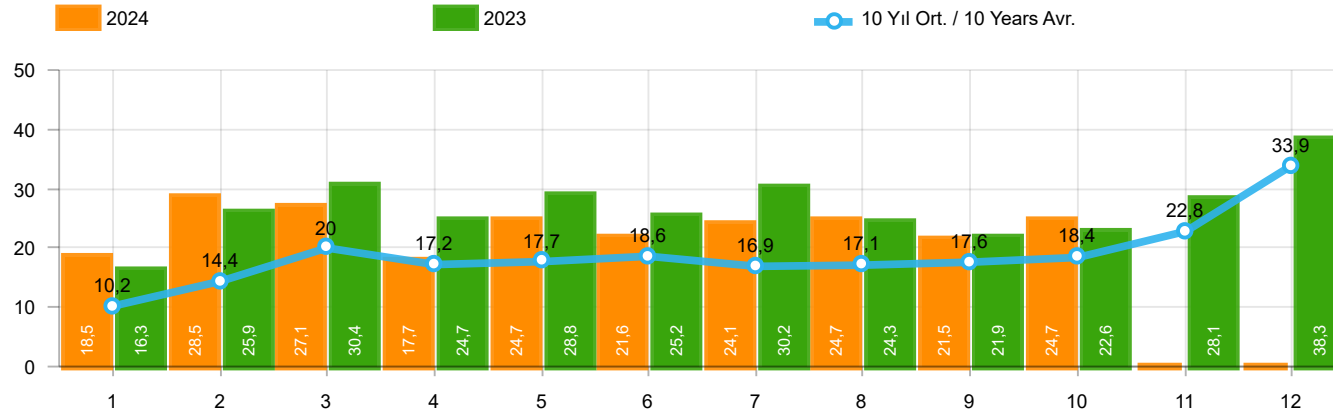
Aylar / Months	10 Yıl Ort / 10 Years Avr.	2024	%
1	36.113	82.527	128,5
2	52.172	110.760	112,3
3	76.293	114.144	49,6
4	68.148	79.137	16,1
5	71.761	104.962	46,3
6	78.977	109.408	38,5
7	67.944	97.526	43,5
8	62.883	93.976	49,4
9	66.867	91.150	36,3
10	72.098	100.378	39,2
TOPLAM/TOTAL	653.261	983.968	50,6

Yıl / Year	1	2	3	4	5	6	7	8	9	10	11	12	1-10 Toplam / Total	Toplam / Total	1-10 Yerli / Local	1-10 İthal / Import	İthal Oran / Import %
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	574.156	813.367	197.036	377.120	65,7
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	766.168	1.019.063	264.108	502.060	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	743.110	1.014.278	238.135	504.975	68,0
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	741.550	986.829	268.817	472.733	63,7
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	502.130	641.550	191.259	310.871	61,9
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	339.487	491.947	147.998	191.489	56,4
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	605.407	796.150	276.253	329.154	54,4
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	642.130	772.850	283.575	358.555	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	618.702	827.163	276.818	341.884	55,3
2023	53.578	84.781	109.658	102.076	116.227	116.352	117.647	93.409	100.862	105.181	119.527	164.748	999.771	1.284.046	366.830	632.941	63,3
2024	82.527	110.760	114.144	79.137	104.962	109.408	97.526	93.976	91.150	100.378			983.968	983.968	300.110	683.858	69,5



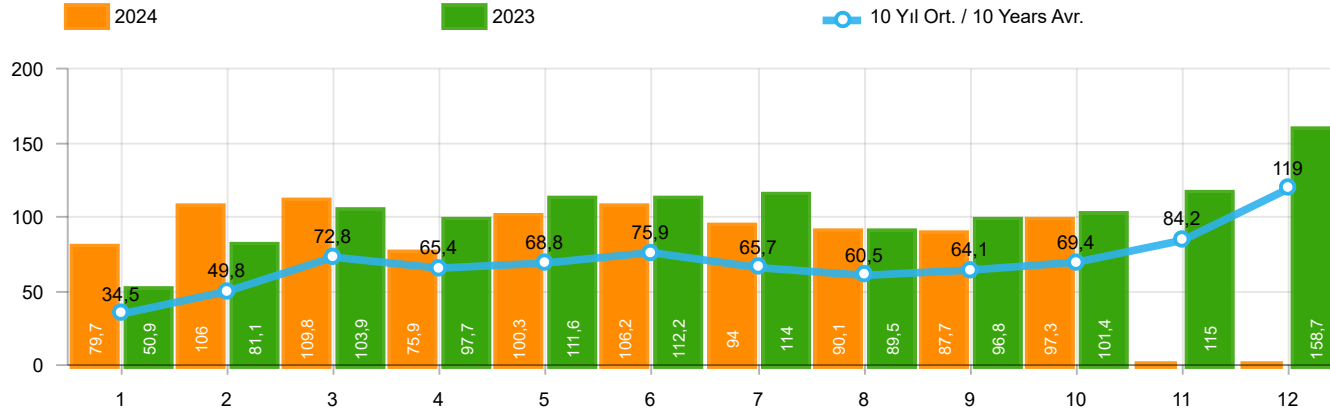
Aylar / Months	10 Yıl Ort / 10 Years Avr.	2024	%
1	25.919	64.041	147,1
2	37.736	82.277	118,0
3	56.315	87.071	54,6
4	50.928	61.448	20,7
5	54.062	80.260	48,5
6	60.425	87.858	45,4
7	51.038	73.396	43,8
8	45.776	69.288	51,4
9	49.237	69.634	41,4
10	53.671	75.662	41,0
TOPLAM / TOTAL	485.107	750.935	54,8

Yıl / Year	1	2	3	4	5	6	7	8	9	10	11	12	1-10 Toplam / Total	Toplam / Total	1-10 Yerli / Local	1-10 İthal / Import	İthal Oran / Import %
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	417.582	587.331	108.721	308.861	74,0
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	548.859	725.596	138.431	410.428	74,8
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	553.111	756.938	133.869	419.242	75,8
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	547.109	722.759	164.605	382.504	69,9
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	379.274	486.321	126.695	252.579	66,6
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	268.624	387.256	110.207	158.417	59,0
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	465.031	610.109	186.990	278.041	59,8
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	475.312	561.853	189.730	285.582	60,1
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	446.664	592.660	171.652	275.012	61,6
2023	37.288	58.907	79.226	77.398	87.418	91.135	87.416	69.131	78.971	82.611	91.424	126.416	749.501	967.341	239.491	510.010	68,0
2024	64.041	82.277	87.071	61.448	80.260	87.858	73.396	69.288	69.634	75.662			750.935	750.935	219.026	531.909	70,8



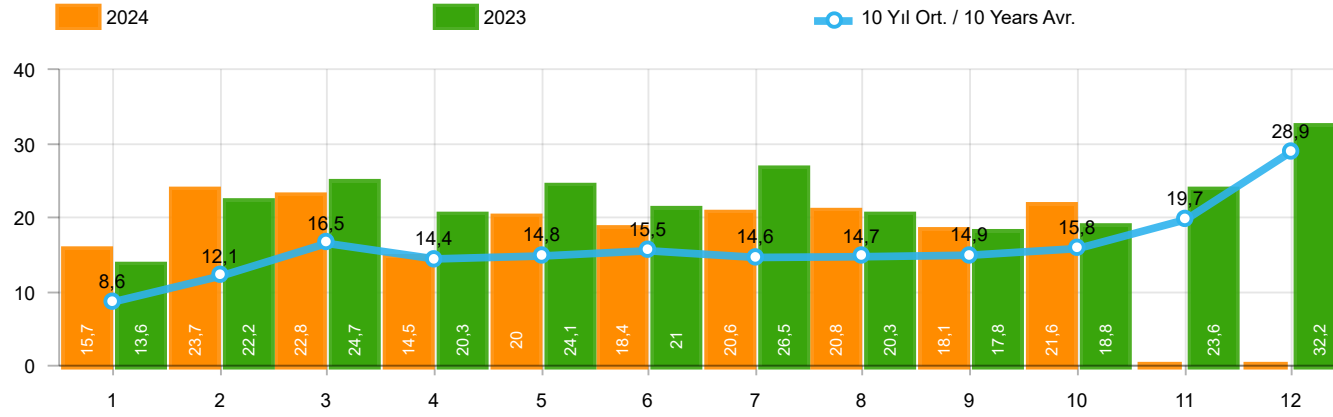
Aylar / Months	10 Yıl Ort. / 10 Years Avr.	2024	%
1	10.195	18.486	81,3
2	14.437	28.483	97,3
3	19.979	27.073	35,5
4	17.220	17.689	2,7
5	17.700	24.702	39,6
6	18.552	21.550	16,2
7	16.907	24.130	42,7
8	17.108	24.688	44,3
9	17.630	21.516	22,0
10	18.427	24.716	34,1
TOPLAM / TOTAL	168.154	233.033	38,6

Yıl / Year	1	2	3	4	5	6	7	8	9	10	11	12	1-10 Toplam / Total	Toplam / Total	1-10 Yerli / Local	1-10 İthal / Import	İthal Oran / Import %
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	156.574	226.036	88.315	68.259	43,6
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	217.309	293.467	125.677	91.632	42,2
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	189.999	257.340	104.266	85.733	45,1
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	194.441	264.070	104.212	90.229	46,4
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	122.856	155.229	64.564	58.292	47,4
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	70.863	104.691	37.791	33.072	46,7
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	140.376	186.041	89.263	51.113	36,4
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	166.818	210.997	93.845	72.973	43,7
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	172.038	234.503	105.166	66.872	38,9
2023	16.290	25.874	30.432	24.678	28.809	25.217	30.231	24.278	21.891	22.570	28.103	38.332	250.270	316.705	127.339	122.931	49,1
2024	18.486	28.483	27.073	17.689	24.702	21.550	24.130	24.688	21.516	24.716			233.033	233.033	81.084	151.949	65,2



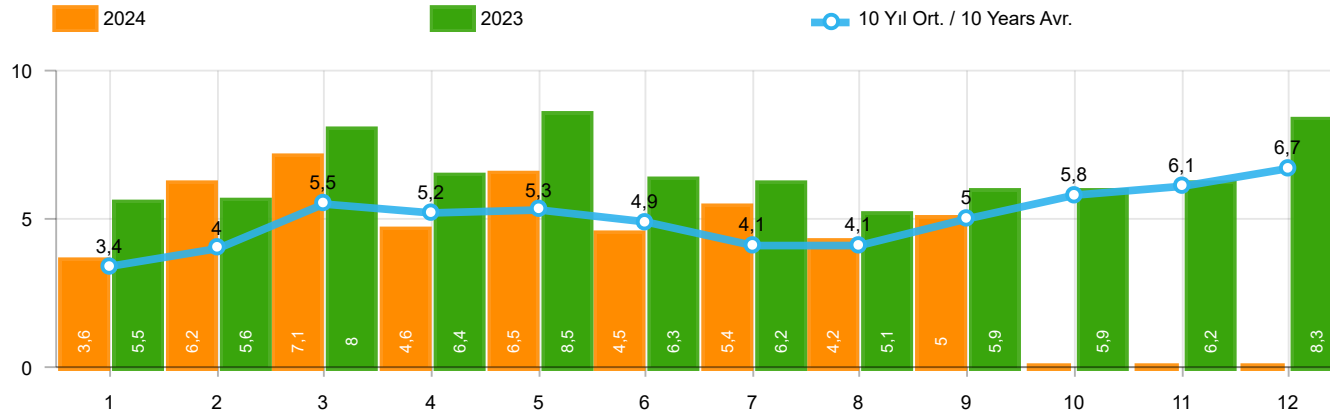
Aylar / Months	10 Yıl Ort / 10 Years Avr.	2024	%
1	34.480	79.701	131,2
2	49.845	105.990	112,6
3	72.783	109.828	50,9
4	65.354	75.919	16,2
5	68.845	100.305	45,7
6	75.885	106.238	40,0
7	65.665	94.037	43,2
8	60.524	90.134	48,9
9	64.116	87.740	36,8
10	69.429	97.274	40,1
TOPLAM / TOTAL	626.926	947.166	51,1

Yıl / Year	1	2	3	4	5	6	7	8	9	10	11	12	1-10 Toplam / Total	Toplam / Total	1-10 Yerli / Local	1-10 İthal / Import	İthal Oran / Import %
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	540.071	767.681	171.421	368.650	68,3
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	727.243	968.017	235.631	491.612	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	719.499	983.720	220.764	498.735	69,3
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	719.095	956.194	252.593	466.502	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	485.027	620.937	179.889	305.138	62,9
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	330.384	479.060	141.758	188.626	57,1
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	588.354	772.788	264.591	323.763	55,0
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	614.891	737.350	266.194	348.697	56,7
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	585.752	783.283	254.602	331.150	56,5
2023	50.894	81.148	103.929	97.679	111.556	112.163	113.959	89.454	96.793	101.367	115.040	158.653	958.942	1.232.635	339.400	619.542	64,6
2024	79.701	105.990	109.828	75.919	100.305	106.238	94.037	90.134	87.740	97.274			947.166	947.166	275.111	672.055	71,0



Aylar / Months	10 Yıl Ort / 10 Years Avr.	2024	%
1	8.561	15.660	82,9
2	12.109	23.713	95,8
3	16.468	22.757	38,2
4	14.426	14.471	0,3
5	14.783	20.045	35,6
6	15.460	18.380	18,9
7	14.627	20.641	41,1
8	14.748	20.846	41,4
9	14.879	18.106	21,7
10	15.758	21.612	37,1
TOPLAM / TOTAL	141.819	196.231	38,4

Yıl / Year	1	2	3	4	5	6	7	8	9	10	11	12	1-10 Toplam / Total	Toplam / Total	1-10 Yerli / Local	1-10 İthal / Import	İthal Oran / Import %
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	122.489	180.350	62.700	59.789	48,8
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	178.384	242.421	97.200	81.184	45,5
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	166.388	226.782	86.895	79.493	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	171.986	233.435	87.988	83.998	48,8
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	105.753	134.616	53.194	52.559	49,7
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	61.760	91.804	31.551	30.209	48,9
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	123.323	162.679	77.601	45.722	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	139.579	175.497	76.464	63.115	45,2
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	139.088	190.623	82.950	56.138	40,4
2023	13.606	22.241	24.703	20.281	24.138	21.028	26.543	20.323	17.822	18.756	23.616	32.237	209.441	265.294	99.909	109.532	52,3
2024	15.660	23.713	22.757	14.471	20.045	18.380	20.641	20.846	18.106	21.612			196.231	196.231	56.085	140.146	71,4



Aylar / Months	10 Yıl Ort / 10 Years Avr.	2024	%
1	3.420	3.577	4,6
2	4.015	6.152	53,2
3	5.541	7.115	28,4
4	5.198	4.567	-12,1
5	5.345	6.470	21,1
6	4.889	4.491	-8,1
7	4.122	5.390	30,8
8	4.054	4.225	4,2
9	5.045	4.969	-1,5
TOPLAM / TOTAL	41.629	46.956	12,8

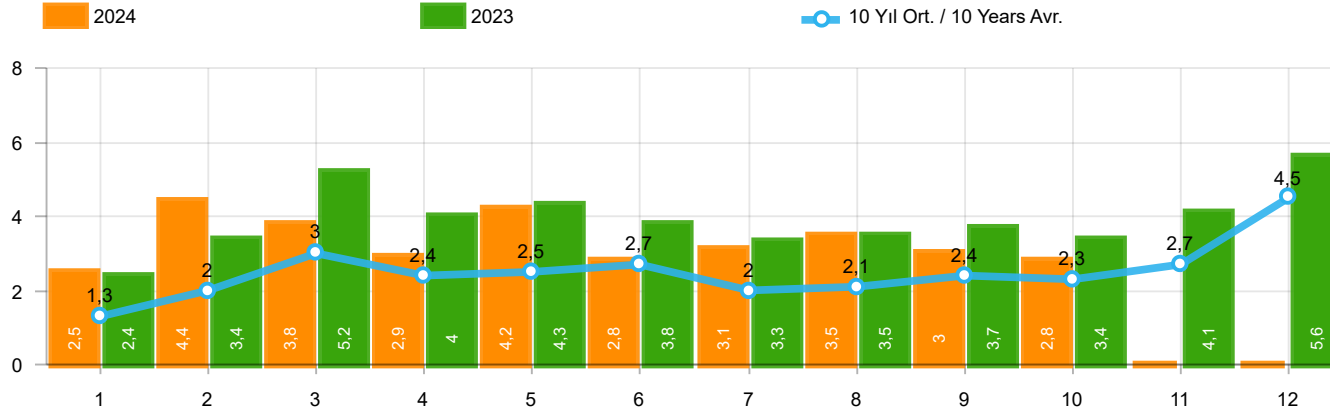
Yıl / Year	1	2	3	4	5	6	7	8	9	10	11	12	1-9 Toplam / Total	Toplam / Total
2014	2.169	3.512	4.476	4.905	5.094	5.028	4.233	4.920	5.619	5.743	6.250	7.409	39.956	59.358
2015	3.124	3.984	5.460	6.383	6.078	5.748	4.677	5.044	4.765	7.049	6.898	7.564	45.263	66.774
2016	3.739	4.731	7.067	6.546	6.575	5.543	3.833	5.134	4.945	7.372	7.090	7.603	48.113	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	50.367	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	37.194	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	16.650	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	31.626	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	45.042	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	44.567	66.942
2023	5.533	5.569	7.959	6.433	8.511	6.269	6.221	5.072	5.943	5.897	6.219	8.275	57.510	77.901
2024	3.577	6.152	7.115	4.567	6.470	4.491	5.390	4.225	4.969	-	-	-	46.956	46.956

Kaynak: TÜİK trafik kayıtları.

Rakamlar, son iki model yılına ait traktör tescillerinden oluşmaktadır.

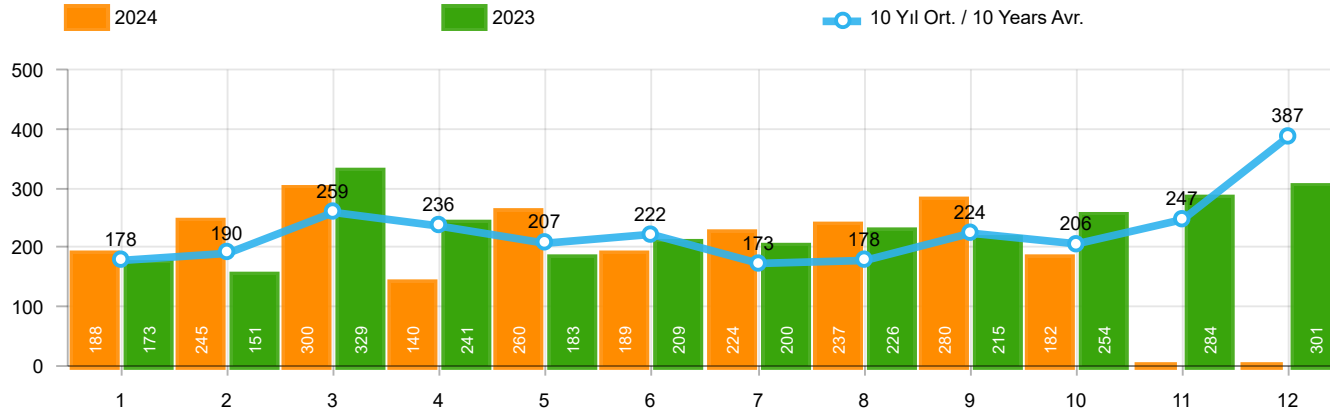
Source: Turkish Statistical Institute – Traffic registrations

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



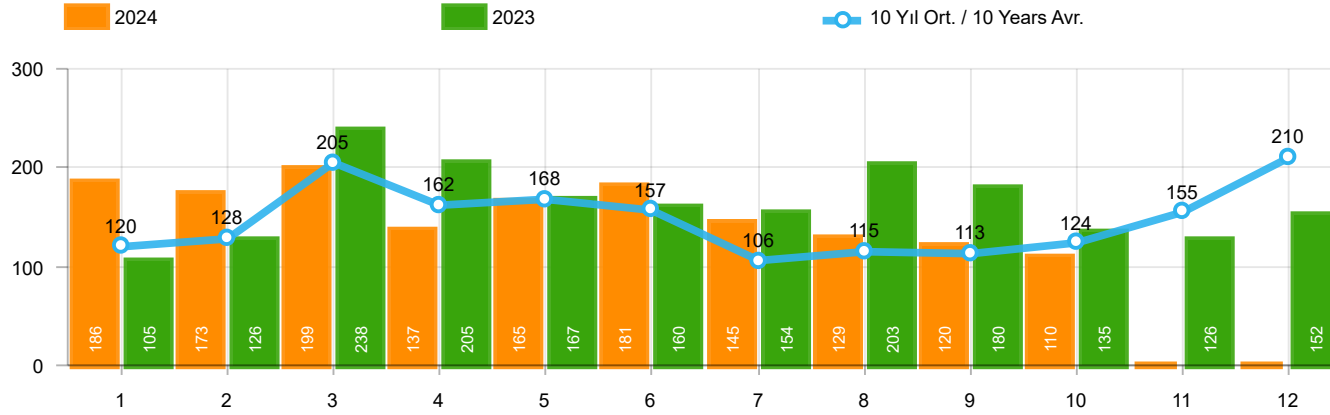
Aylar / Months	10 Yıl Ort / 10 Years Avr.	2024	%
1	1.337	2.452	83,5
2	2.009	4.352	116,6
3	3.047	3.817	25,3
4	2.396	2.941	22,8
5	2.542	4.232	66,5
6	2.714	2.800	3,2
7	2.001	3.120	55,9
8	2.067	3.476	68,2
9	2.415	3.010	24,7
10	2.339	2.812	20,2
TOPLAM / TOTAL	22.865	33.012	44,4

Yıl / Year	1	2	3	4	5	6	7	8	9	10	11	12	1-10 Toplam / Total	Toplam / Total	1-10 Yerli / Local	1-10 İthal / Import	İthal Oran / Import %
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	29.285	39.538	20.972	8.313	28,4
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	32.928	43.381	22.549	10.379	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	19.439	25.051	13.230	6.209	31,9
2017	931	1.290	1.982	1.888	2.184	1.891	1.974	1.860	2.284	2.188	2.487	4.438	18.472	25.397	12.255	6.217	33,7
2018	1.237	1.552	2.630	2.328	1.909	1.272	1.235	603	653	488	905	1.695	13.907	16.507	8.185	5.722	41,1
2019	342	579	1.255	842	728	981	435	497	854	1.047	1.100	2.087	7.560	10.747	4.697	2.863	37,9
2020	682	1.475	1.290	628	921	1.570	1.809	1.835	2.660	2.239	2.537	3.358	15.109	21.004	9.718	5.391	35,7
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	25.146	32.740	15.288	9.858	39,2
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	29.832	39.823	19.098	10.734	36,0
2023	2.406	3.356	5.162	3.951	4.321	3.820	3.334	3.526	3.674	3.425	4.077	5.642	36.975	46.694	23.576	13.399	36,2
2024	2.452	4.352	3.817	2.941	4.232	2.800	3.120	3.476	3.010	2.812			33.012	33.012	21.209	11.803	35,8



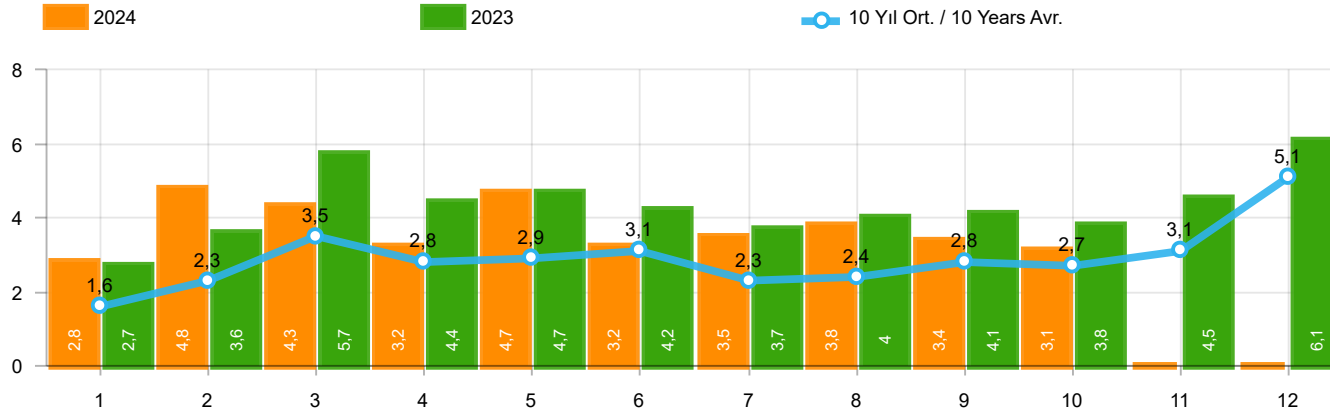
Aylar / Months	10 Yıl Ort. / 10 Years Avr.	2024	%
1	178	188	5,6
2	190	245	28,9
3	259	300	15,7
4	236	140	-40,7
5	207	260	25,6
6	222	189	-14,7
7	173	224	29,4
8	178	237	32,8
9	224	280	25,0
10	206	182	-11,7
TOPLAM / TOTAL	2.074	2.245	8,2

Yıl / Year	1	2	3	4	5	6	7	8	9	10	11	12	1-10 Toplam / Total	Toplam / Total
2014	360	394	384	333	294	258	216	229	395	220	266	653	3.083	4.002
2015	280	322	451	561	372	405	389	253	316	394	325	621	3.743	4.689
2016	309	158	251	302	261	196	139	220	241	230	354	431	2.307	3.092
2017	212	211	227	231	272	156	250	235	318	268	317	594	2.380	3.291
2018	134	142	410	296	207	315	180	146	160	155	184	425	2.145	2.754
2019	57	61	63	96	106	189	55	44	138	138	257	244	947	1.448
2020	104	221	128	35	97	134	111	123	77	71	82	137	1.101	1.320
2021	70	108	117	135	58	131	44	139	153	178	188	172	1.133	1.493
2022	82	132	234	131	220	224	147	169	227	154	217	292	1.720	2.229
2023	173	151	329	241	183	209	200	226	215	254	284	301	2.181	2.766
2024	188	245	300	140	260	189	224	237	280	182			2.245	2.245



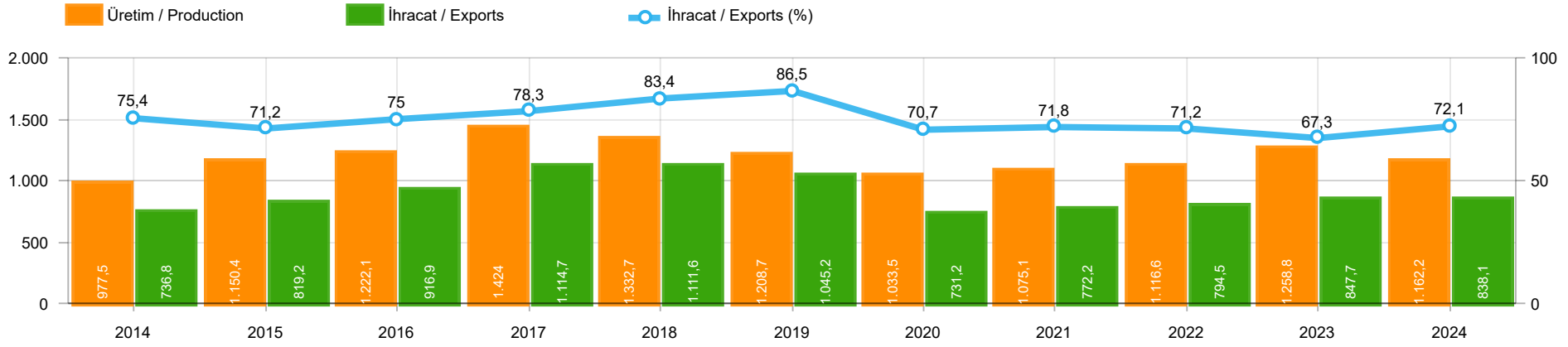
Aylar / Months	10 Yıl Ort. / 10 Years Avr.	2024	%
1	120	186	55,6
2	128	173	34,9
3	205	199	-2,7
4	162	137	-15,6
5	168	165	-1,5
6	157	181	15,6
7	106	145	37,3
8	115	129	12,6
9	113	120	6,0
10	124	110	-11,1
TOPLAM / TOTAL	1.396	1.545	10,7

Yıl / Year	1	2	3	4	5	6	7	8	9	10	11	12	1-10 Toplam / Total	Toplam / Total	1-10 Yerli / Local	1-10 İthal / Import	İthal Oran / Import %
2014	199	179	253	251	305	148	69	92	130	91	97	332	1.717	2.146	1.560	157	9,1
2015	146	222	313	290	290	255	211	203	153	171	359	363	2.254	2.976	2.185	69	3,1
2016	180	209	218	240	214	307	76	82	141	198	314	236	1.865	2.415	1.834	31	1,7
2017	174	119	167	124	188	115	206	187	92	231	109	235	1.603	1.947	1.589	14	0,9
2018	78	65	215	136	125	164	45	42	74	107	113	188	1.051	1.352	1.040	11	1,0
2019	75	54	112	35	97	41	25	45	84	28	42	54	596	692	596	-	-
2020	64	130	128	45	55	112	98	79	50	82	64	131	843	1.038	843	-	-
2021	144	80	182	140	101	116	40	38	46	73	134	173	960	1.267	960	-	-
2022	30	98	220	158	133	148	132	175	182	122	194	236	1.398	1.828	1.398	-	-
2023	105	126	238	205	167	160	154	203	180	135	126	152	1.673	1.951	1.673	-	-
2024	186	173	199	137	165	181	145	129	120	110			1.545	1.545	1.545	-	-



Aylar / Months	10 Yıl Ort / 10 Years Avr.	2024	%
1	1.634	2.826	72,9
2	2.327	4.770	104,9
3	3.511	4.316	22,9
4	2.794	3.218	15,2
5	2.916	4.657	59,7
6	3.092	3.170	2,5
7	2.280	3.489	53,1
8	2.360	3.842	62,8
9	2.752	3.410	23,9
10	2.669	3.104	16,3
TOPLAM / TOTAL	26.335	36.802	39,7

Yıl / Year	1	2	3	4	5	6	7	8	9	10	11	12	1-10 Toplam / Total	Toplam / Total	1-10 Yerli / Local	1-10 İthal / Import	İthal Oran / Import %
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	34.085	45.686	25.615	8.470	24,8
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	38.925	51.046	28.477	10.448	26,8
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	23.611	30.558	17.371	6.240	26,4
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	22.455	30.635	16.224	6.231	27,7
2018	1.449	1.759	3.255	2.760	2.241	1.751	1.460	791	887	750	1.202	2.308	17.103	20.613	11.370	5.733	33,5
2019	474	694	1.430	973	931	1.211	515	586	1.076	1.213	1.399	2.385	9.103	12.887	6.240	2.863	31,5
2020	850	1.826	1.546	708	1.073	1.816	2.018	2.037	2.787	2.392	2.683	3.626	17.053	23.362	11.662	5.391	31,6
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	27.239	35.500	17.381	9.858	36,2
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	32.950	43.880	22.216	10.734	32,6
2023	2.684	3.633	5.729	4.397	4.671	4.189	3.688	3.955	4.069	3.814	4.487	6.095	40.829	51.411	27.430	13.399	32,8
2024	2.826	4.770	4.316	3.218	4.657	3.170	3.489	3.842	3.410	3.104			36.802	36.802	24.999	11.803	32,1



	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
İhracat/Export	736.829	819.187	916.873	1.114.658	1.111.645	1.045.201	731.168	772.220	794.488	847.728	838.119
Üretim/Production	977.511	1.150.359	1.222.078	1.424.042	1.332.726	1.208.668	1.033.487	1.075.099	1.116.583	1.258.753	1.162.178
İhracat/Exports (%)	75,4	71,2	75	78,3	83,4	86,5	70,7	71,8	71,2	67,3	72,1

Taşıt Araçları İhracatı (2022 - 2024)
Motor Vehicle Exports (2022 - 2024)

SEKTÖR / SECTOR	2022	2023	1/10-2023	1/10-2024	2024/2023 %
OTOMOBİL / Pass.Car	571.218	663.090	540.304	531.680	-1,6
OTOMOBİL TOPLAM / Pass. Car Total	571.218	663.090	540.304	531.680	-1,6
KAMYON / Truck	20.123	21.566	17.794	9.924	-44,2
KAMYONET / Pick Up	335.148	291.052	234.488	232.049	-1,0
OTOBÜS / Bus	6.579	9.447	7.322	7.010	-4,3
MİNİBÜS / Minibus	36.016	31.421	30.886	44.095	42,8
MİDİBÜS / Midibus	1.040	1.671	1.286	1.501	16,7
TİCARİ ARAÇLAR TOPLAM / Commercial Vehicle Total	398.906	355.157	291.776	294.579	1,0
TAŞIT ARAÇLARI TOPLAM / Motor Vehicles Total	970.124	1.018.247	832.080	826.259	-0,7
TRAKTÖR / F.Tractor	18.154	16.752	15.648	11.860	-24,2
TRAKTÖR TOPLAM / F.Tractor Total	18.154	16.752	15.648	11.860	-24,2
GENEL TOPLAM / GRAND TOTAL	988.278	1.034.999	847.728	838.119	-1,1

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

Üreticiler / Manufacturers	2022	2023	1-10 / 2023	1-10 / 2024
A.I.O.S.	911	1.102	837	916
FORD OTOSAN	297.828	311.104	255.245	270.970
HATTAT TRAKTÖR	1.059	736	625	360
HYUNDAI ASSAN	176.664	205.200	169.482	167.656
KARSAN	301	428	258	260
M. BENZ TÜRK	15.674	18.062	14.580	7.799
MAN TÜRKİYE	1.786	2.933	2.190	1.952
OTOKAR	1.506	2.584	1.907	1.849
OYAK RENAULT	176.844	230.397	183.340	186.668
TEMSA	587	1.161	956	1.205
TOFAŞ	121.477	60.479	49.793	29.261
TOYOTA	176.546	184.797	153.492	157.723
TÜRK TRAKTÖR	17.095	16.016	15.023	11.500
GENEL TOPLAM / Grand Total	988.278	1.034.999	847.728	838.119

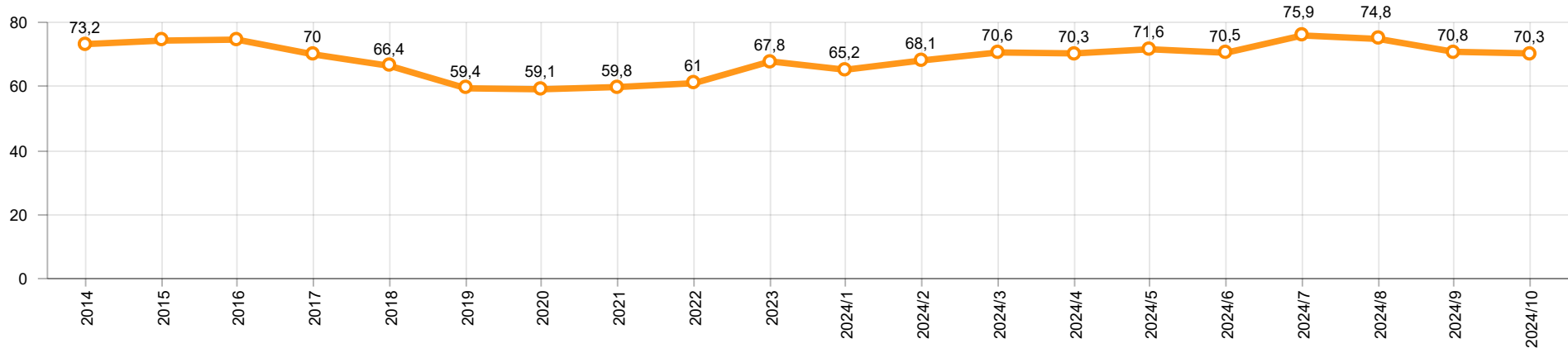
Otomotiv Ana ve Yan Sanayii İhracatı (ABD \$)
CBU and CKD Exports - \$

Sektör / Sector	2022	2023	OCAK - EKİM / January - October 2023	OCAK - EKİM / January - October 2024	2024 / 2023 %
Toplam Yan Sanayi / Total Component Industry	12.826.712.028,21	14.085.757.341,4	11.766.638.030,32	12.380.363.544,55	5,2
İç ve Dış Lastik / Tyres	1.766.728.479,75	1.724.883.653,44	1.493.429.071,1	1.421.950.885,46	-4,8
Emniyet Camı / Safety Glasses	234.400.901,69	263.108.396,94	220.837.804,14	232.383.776,81	5,2
Motor / Engine	233.029.231,53	253.590.231,89	215.733.250,68	306.076.984,38	41,9
Akümülatör / Batteries	547.705.920,77	482.673.727,33	385.827.721,46	462.690.252,87	19,9
Diğer Aksam ve Parça / Spare Parts&Components	10.044.847.494,47	11.361.501.331,8	9.450.810.182,94	9.957.261.645,03	5,4
Toplam Ana Sanayi / Total Vehicle Industry	18.672.498.545,28	21.611.804.375,57	17.513.394.763,97	17.814.163.203,71	1,7
Otobüs / Bus	1.199.777.172,44	1.786.354.748,27	1.373.423.179,94	1.563.667.971,91	13,9
Midibüs-Minibüs / Midibus-Minibus	162.966.486,11	343.838.660,91	252.723.926,21	387.033.701,19	53,1
Otomobil / P.Cars	9.069.545.936,14	10.934.400.136,75	8.904.426.410,45	9.039.678.863,99	1,5
Kamyon-Kamyonet / Truck-Pick Up&Van	5.633.409.584,55	5.647.667.250,84	4.564.727.363,37	5.226.943.939,47	14,5
Römork ve Yarı Römork / Trailer-Semi Trailer	762.960.672,12	778.263.797,44	631.754.098,36	580.649.393,73	-8,1
Çekici / Tractor	1.266.205.170,15	1.527.261.816,27	1.266.086.609,26	569.039.312,61	-55,1
Tarım Traktörü / Farm Tractor	577.633.523,77	594.017.965,09	520.253.176,38	447.150.020,81	-14,1
Toplam / Total	31.499.210.573,49	35.697.561.716,97	29.280.032.794,29	30.194.526.748,26	3,1

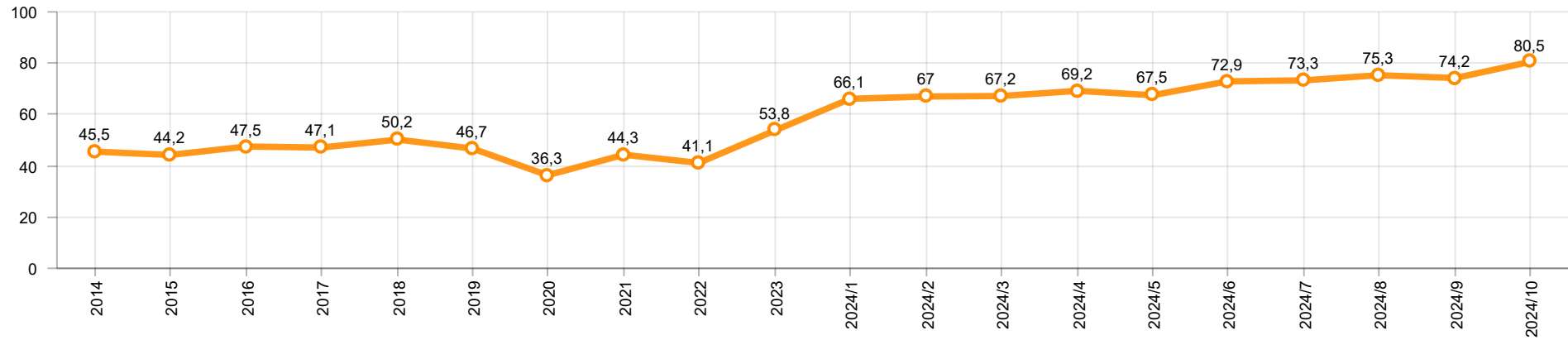
Kaynak: Uludağ İhracatçı Birlikleri . ÜİB tarafından OSD için özel olarak analiz edilen Otomotiv İhracatı kapsamında; ÜİB Türkiye Geneli Otomotiv Endüstrisi sınıflandırmasına kıyasla “Römork ve Yarı Römork” , “Tarım Traktörü” verileri dahil edilmekte; “Kullanılmış Araçlar” , “İki Tekerlekli Taşıtlar” , “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	44.403	55.795	54.120	51.868	63.162	51.287	59.748	31.522	55.283	64.492			531.680
KAMYON - H. Truck	1.721	1.126	960	609	492	954	562	661	1.421	1.322			9.828
K.KAMYON - L. Truck	7	6	7	12	23	30	9	2	-	-			96
KAMYONET - Pick Up	25.965	31.219	32.663	19.746	16.139	18.250	21.139	18.344	25.829	22.755			232.049
OTOBÜS - Bus	560	926	942	763	855	556	469	538	627	774			7.010
MİNİBÜS - Minibus	2.310	160	3.071	3.065	4.251	4.408	6.307	6.702	6.538	7.283			44.095
MİDİBÜS - Midibus	112	222	170	141	240	215	100	87	96	118			1.501
TİCARİ ARAÇLAR TOPLAMI - CV Total	30.675	33.659	37.813	24.336	22.000	24.413	28.586	26.334	34.511	32.252			294.579
TAŞIT ARAÇLARI TOPLAMI - MV Total	75.078	89.454	91.933	76.204	85.162	75.700	88.334	57.856	89.794	96.744			826.259
TRAKTÖR - F.Tractor	1.604	1.543	1.415	1.215	1.512	1.043	1.200	718	929	681			11.860
GENEL TOPLAM - Grand Total	76.682	90.997	93.348	77.419	86.674	76.743	89.534	58.574	90.723	97.425			838.119

Otomobil / P.Car

Firmalar / Firms	1	2	3	4	5	6	7	8	9	10	11	12	Toplam / Total
FORD OTOSAN	-	-	-	-	-	-	-	-	-	-	-	-	-
HYUNDAI ASSAN	19.483	17.800	19.600	13.820	19.755	14.170	18.715	11.950	16.715	15.648	-	-	167.656
OYAK RENAULT	9.804	20.121	19.145	17.165	23.550	21.598	18.231	10.863	18.903	27.288	-	-	186.668
TOFAŞ	2.068	3.654	4.716	3.527	2.424	113	850	228	1.251	802	-	-	19.633
TOYOTA	13.048	14.220	10.659	17.356	17.433	15.406	21.952	8.481	18.414	20.754	-	-	157.723
TOPLAM - Total	44.403	55.795	54.120	51.868	63.162	51.287	59.748	31.522	55.283	64.492	-	-	531.680

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	24.078	28.493	30.946	18.933	14.987	16.978	21.008	18.344	25.829	22.745	-	-	222.341
KARSAN	-	-	-	-	-	-	-	-	-	-	-	-	-
OTOKAR	-	-	-	-	70	-	-	-	-	10	-	-	80
TOFAŞ	1.887	2.726	1.717	813	1.082	1.272	131	-	-	-	-	-	9.628
TOPLAM - Total	25.965	31.219	32.663	19.746	16.139	18.250	21.139	18.344	25.829	22.755	-	-	232.049

Minibüs / Minibus

Firmalar / Firms	1	2	3	4	5	6	7	8	9	10	11	12	Toplam / Total
FORD OTOSAN	2.302	140	3.070	3.039	4.225	4.408	6.307	6.702	6.528	7.256	-	-	43.977
KARSAN	8	20	1	26	26	-	-	-	10	27	-	-	118
TOPLAM - Total	2.310	160	3.071	3.065	4.251	4.408	6.307	6.702	6.538	7.283	-	-	44.095

Kamyon / Truck

Firmalar / Firms	1	2	3	4	5	6	7	8	9	10	11	12	Toplam / Total
A.I.O.S.	-	-	-	-	-	-	-	-	-	-	-	-	-
FORD OTOSAN	545	194	203	214	397	781	156	439	819	904	-	-	4.652
KARSAN	-	-	-	-	-	-	-	-	-	-	-	-	-
M. BENZ TÜRK	1.176	932	757	395	95	173	406	222	602	418	-	-	5.176
OTOKAR	1	-	3	8	5	17	-	2	-	-	-	-	36
TEMSA	6	6	4	4	18	13	9	-	-	-	-	-	60
TOPLAM - Total	1.728	1.132	967	621	515	984	571	663	1.421	1.322	-	-	9.924

Midibüs / Midibus

Firmalar / Firms	1	2	3	4	5	6	7	8	9	10	11	12	Toplam / Total
A.I.O.S.	66	99	48	55	106	91	48	35	53	39	-	-	640
KARSAN	13	9	10	18	13	3	11	8	-	30	-	-	115
OTOKAR	17	59	60	20	70	78	10	31	43	39	-	-	427
TEMSA	16	55	52	48	51	43	31	13	-	10	-	-	319
TOPLAM - Total	112	222	170	141	240	215	100	87	96	118	-	-	1.501

Otobüs / Bus

Firmalar / Firms	1	2	3	4	5	6	7	8	9	10	11	12	Toplam / Total
A.I.O.S.	14	26	48	17	18	65	21	6	18	43	-	-	276
KARSAN	-	-	-	-	11	3	-	-	-	13	-	-	27
M. BENZ TÜRK	247	257	265	253	326	198	258	227	241	351	-	-	2.623
MAN TÜRKİYE	218	387	404	248	257	118	5	42	113	160	-	-	1.952
OTOKAR	44	135	139	152	147	127	109	186	147	120	-	-	1.306
TEMSA	37	121	86	93	96	45	76	77	108	87	-	-	826
TOPLAM - Total	560	926	942	763	855	556	469	538	627	774	-	-	7.010

Traktör / F.Tractor

Firmalar / Firms	1	2	3	4	5	6	7	8	9	10	11	12	Toplam / Total
HATTAT TRAKTÖR	53	38	11	15	12	18	40	83	39	51	-	-	360
TÜRK TRAKTÖR	1.551	1.505	1.404	1.200	1.500	1.025	1.160	635	890	630	-	-	11.500
TOPLAM - Total	1.604	1.543	1.415	1.215	1.512	1.043	1.200	718	929	681	-	-	11.860

Firmalar / Firms	2023 Toplam / Total	1	2	3	4	5	6	7	8	9	10	11	12	Toplam / Total
	1.149	458	-	-	-	-	-	-	-	-	-	-	-	458
Alfa Romeo	2.097	106	106	111	40	45	32	57	44	50	169	-	-	760
ALPINE	-	-	-	-	5	2	-	-	-	-	-	-	-	7
Aston Martin	23	2	2	1	2	-	1	-	1	-	1	-	-	10
Audi	22.878	1.265	1.560	1.370	884	1.274	1.078	1.607	1.901	1.346	2.113	-	-	14.398
Bentley	36	1	2	9	2	3	2	1	1	6	2	-	-	29
BMW	23.801	666	1.470	1.794	1.388	2.172	1.665	1.510	1.689	2.462	2.461	-	-	17.277
BYD	839	155	220	175	312	203	361	235	69	-	-	-	-	1.730
Chery	40.590	4.450	5.006	6.011	5.315	6.208	7.511	6.638	3.643	3.215	2.814	-	-	50.811
Citroen	45.395	1.948	5.664	4.990	2.360	2.911	5.505	3.117	2.515	2.125	2.606	-	-	33.741
CUPRA	10.165	368	636	1.037	461	744	863	872	733	455	653	-	-	6.822
Dacia	41.339	3.435	3.938	3.526	2.356	3.385	3.060	2.240	2.492	1.991	2.161	-	-	28.584
DFSK	293	21	16	49	44	30	24	99	76	40	51	-	-	450
DS	3.511	403	209	189	78	127	121	117	95	40	129	-	-	1.508
Ferrari	25	2	1	2	3	3	1	2	2	1	3	-	-	20
Fiat	1.205	40	72	91	36	55	87	106	32	34	137	-	-	690
Ford	29.597	3.062	1.938	3.282	1.867	2.568	2.514	2.015	2.345	1.322	1.863	-	-	22.776
Honda	21.322	842	2.130	2.964	1.331	3.110	3.170	1.612	2.481	1.555	1.272	-	-	20.467
HONGQI	19	2	1	1	1	2	2	1	1	1	1	-	-	13
Hyundai	13.088	1.064	1.369	1.726	1.032	1.319	962	1.538	1.759	1.818	1.900	-	-	14.487
JAECOO	-	-	-	-	-	-	-	-	621	715	684	-	-	2.020
Jaguar	121	5	13	6	6	5	2	1	3	5	3	-	-	49
Jeep	3.622	405	377	278	121	204	298	255	351	243	235	-	-	2.767
KG MOBILIT	-	-	-	-	-	-	-	-	-	-	-	-	-	755
KG MOBILITY	-	458	1.101	772	1.081	688	602	872	507	823	-	-	-	6.904
Kia	20.629	820	1.378	1.717	688	1.079	1.047	1.327	2.094	1.597	1.854	-	-	13.601
Lamborghini	22	2	3	1	1	2	1	1	1	4	-	-	-	16
Land Rover	2.451	143	205	202	200	291	287	296	500	153	161	-	-	2.438
LEAPMOTOR	355	22	17	19	23	17	22	16	14	23	12	-	-	185
Lexus	507	14	33	98	85	52	30	60	66	90	91	-	-	619
Maserati	533	12	23	33	21	22	20	30	25	15	18	-	-	219
Mercedes-Benz	24.646	1.718	2.135	2.697	1.772	2.160	2.189	2.188	2.298	2.937	2.690	-	-	22.784
MG	14.458	971	1.745	3.233	1.236	2.293	1.596	1.517	1.470	1.331	1.096	-	-	16.488
Mini	2.633	97	154	116	111	251	367	467	247	656	526	-	-	2.992
Mitsubishi	208	1	5	6	6	10	11	13	3	-	1	-	-	56
NETA	-	-	24	29	-	-	-	-	-	-	-	-	-	53
Nissan	21.278	2.057	1.670	1.300	1.733	1.779	1.817	2.544	2.138	2.984	2.038	-	-	20.060
Opel	61.057	1.731	4.919	4.579	3.341	3.078	3.547	3.567	3.595	3.459	3.266	-	-	35.082
Peugeot	58.549	3.020	4.333	5.627	3.777	4.025	5.118	3.645	2.840	3.354	4.191	-	-	39.930
Porsche	1.158	78	93	117	63	99	61	61	78	90	167	-	-	907
Renault	24.023	1.512	1.736	2.808	1.268	1.679	1.665	1.645	2.521	1.988	2.802	-	-	19.624
Seat	10.929	381	769	1.133	571	830	1.368	1.722	717	424	965	-	-	8.880
SERES	2	1	-	-	-	-	-	-	-	-	-	-	-	1
Skoda	35.041	2.718	4.065	2.797	2.125	4.162	4.352	3.459	3.230	3.414	3.766	-	-	34.088
SKYWELL	2.541	33	25	38	46	25	33	27	23	36	38	-	-	324
Subaru	966	15	23	45	43	25	30	33	17	23	19	-	-	273
Suzuki	5.378	602	525	915	520	975	648	497	250	171	61	-	-	5.164
TESLA	6.650	220	75	80	27	10	2.670	420	1.050	2.475	340	-	-	7.367
Toyota	12.418	1.636	638	531	514	435	1.051	1.261	1.086	495	420	-	-	8.067
Volkswagen	71.093	4.580	4.188	3.561	5.272	8.036	5.043	7.152	5.284	4.363	7.732	-	-	55.211
Volvo	11.646	665	1.397	1.400	1.044	1.100	1.138	870	948	946	897	-	-	10.405
GENEL TOPLAM - Grand Total	650.489	42.207	56.009	61.466	43.212	57.493	61.972	55.713	51.856	49.275	53.164	-	-	532.367

Firmalar / Firms	2023 Toplam / Total	1	2	3	4	5	6	7	8	9	10	11	12	Toplam / Total
	1.068	212	-	-	-	-	-	-	-	-	-	-	-	212
Citroen	17.758	1.021	2.066	1.795	273	1.000	398	1.157	1.825	1.539	1.987	-	-	13.061
DFSK	5	14	18	52	46	56	68	65	27	72	85	-	-	503
FARIZON	-	-	-	-	-	3	-	-	1	-	1	-	-	5
Fiat	15.489	1.512	2.073	1.700	1.137	995	1.093	2.161	2.285	1.724	1.872	-	-	16.552
Ford	2.268	577	1.478	1.874	2.477	3.463	2.984	2.972	2.998	2.467	3.486	-	-	24.776
Hyundai	5.882	581	385	445	655	557	708	755	148	37	13	-	-	4.284
Isuzu	1.645	89	144	101	68	124	113	248	125	49	227	-	-	1.288
Iveco	2.927	137	275	203	266	306	324	317	175	303	296	-	-	2.602
KG MOBILIT	-	-	-	-	-	-	-	-	-	-	118	-	-	118
KG MOBILITY	-	212	179	234	299	367	308	75	66	87	-	-	-	1.827
Kia	2.710	11	185	855	533	907	901	526	6	-	-	-	-	3.924
Land Rover	645	-	-	-	1	-	-	-	-	-	-	-	-	1
MAXUS	112	20	20	23	105	22	5	25	2	19	21	-	-	262
Mercedes-Benz	9.294	392	950	1.064	571	719	692	455	1.216	757	791	-	-	7.607
Opel	12.808	588	1.407	1.363	279	674	1.222	1.316	1.720	1.328	1.776	-	-	11.673
Peugeot	20.083	936	1.809	1.203	195	1.268	1.062	1.786	2.210	1.701	2.511	-	-	14.681
Renault	18.154	1.132	1.435	1.472	1.245	1.136	1.662	1.322	1.116	1.023	1.021	-	-	12.564
Toyota	13.656	1.192	922	1.138	342	185	166	338	457	848	940	-	-	6.528
Volkswagen	17.683	1.936	2.542	1.780	1.515	1.758	1.696	1.605	1.327	1.478	2.253	-	-	17.890
GENEL TOPLAM - Grand Total	142.350	10.562	15.888	15.302	10.007	13.540	13.402	15.123	15.704	13.432	17.398	-	-	140.358