

TAGRİS SİMÜLASYONLARI

Prof. Dr. Ozan ERUYGUR

Gazi Üniversitesi, İktisat Bölümü

Öğretim Üyesi

- ▶ **Tarımsal mallarda AB ile aramızdaki gümrüklerin sıfırlanması senaryosunun etkileri**

SİMÜLASYON 1

Genel Etkiler

Prof. Dr. Ozan Eruygur

	BAZ	AB - GÜMRÜK BİRLİĞİ	DEĞİŞİM
	2014-16	AB-GB	%
Toplam Artık (Endeks)	100.0	100.4	0.4%
Üretici Artığı	100.0	100.0	0.0%
Tüketici Artığı	100.0	106.4	6.4%
Toplam Üretim			
Hacim ^a	63,285	61,938	-2.1%
Değer	63,285	58,632	-7.4%
Bitkisel Üretim			
Hacim ^a	40,244	39,983	-0.6%
Değer	40,244	39,987	-0.6%
Hayvansal Üretim			
Hacim ^a	23,041	21,954	-4.7%
Değer	23,041	18,645	-19.1%
Toplam Tüketim			
Hacim ^a	54,198	57,294	5.7%
Değer	54,198	52,912	-2.4%
Bitkisel Tüketim			
Hacim ^a	32,473	32,633	0.5%
Değer	32,473	32,455	-0.1%
Hayvansal Tüketim			
Hacim ^a	21,725	24,661	13.5%
Değer	21,725	20,457	-5.8%
Net İhracat	8,765	7,827	-10.7%
Bitkisel Ürünler	7,311	8,282	13.3%
Hayvansal Ürünler	1,455	-455	-131.3%
Fiyat Endeksi (Laspeyres)	100.0	93.5	-6.5%
Bitkisel Ürünler	100.0	99.6	-0.4%
Hayvansal Ürünler	100.0	84.3	-15.7%

Dış Ticaret Etkileri

Prof. Dr. Ozan Eruygur

Net Exports (Million USD)						
	BASE			CUSTOMS UNION		
	EU	ROW	TOTAL	EU	ROW	TOTAL
CROP PRODUCTS	5394	1917	7311	6370	1912	8282
CEREALS	-173	737	564	-550	865	315
Common Wheat	-61	667	605	-165	704	538
Durum Wheat	-6	237	231	-75	257	183
Barley	-15	-21	-36	-49	0	-49
Corn	-58	-74	-132	-124	-76	-201
Rice	-32	-71	-104	-137	-19	-156
Rye	0	0	0	-1	0	-1
PULSES	18	-63	-44	25	-15	10
Chickpea	13	-13	0	19	-17	2
Drybean	2	-36	-33	3	0	3
Fresh Bean	0	3	2	-2	3	
Lentil	3	-16	-14	4	0	4
INDUSTRIAL CROPS	1085	-12	1073	1440	-132	1309
Tobacco	-54	395	341	-160	403	244
Sugarbeet	-4	-42	-45	-15	-47	-62
Cotton	1142	-365	777	1615	-488	1127

Net Exports (Million USD)						
	BASE			CUSTOMS UNION		
	EU	ROW	TOTAL	EU	ROW	TOTAL
OILSEEDS	-116	-1528	-1644	-515	-1323	-1838
Sesame	10	-197	-187	14	-216	-202
Sunflower	-104	-280	-384	-504	0	-504
Groundnut	0	-20	-20	-26	-26	-51
Soybean	-22	-1032	-1054	0	-1081	-1081
TUBERS	-8	64	56	-20.0	56.6	37
Onion (Dry)	3	21	24	4	16	20
Potato	-15	28	13	-29	28	-1
Onion (Fresh)	4	20	24	5	18	
Garlic (Dry)	0	-4	-4	0	-6	
Garlic (Fresh)	0	0	0	0	0	
VEGETABLES	154	263	417	209	233	442
Melon	3	1	4	4	1	5
Watermelon	5	0	5	6	-1	5
Cucumber	3	2	5	4	2	6
Eggplant	1	1	1	1	1	1
Fresh Tomato	50	57	108	68	54	122
Processing Tomato	41	169	210	54	143	197
Green Pepper	16	3	19	23	3	26
Red Pepper	35	30	66	50	31	80

Net Exports (Million USD)						
	BASE			CUSTOMS UNION		
	EU	ROW	TOTAL	EU	ROW	TOTAL
GREENHOUSE PRODUCTS	437	584	1021	583	544	1127
Fresh Bean	0	1	1	0	1	1
Melon	0	0	1	1	0	1
Watermelon	2	0	2	3	0	3
Cucumber	44	43	88	60	42	102
Eggplant	5	6	12	7	6	13
Tomato	287	501	788	377	465	842
Green Pepper	99	31	130	135	30	165
FRUITS AND NUTS	3997	1871	5868	5199	1682	6882
Apple	344	102	446	451	88	539
Apricot	281	203	484	380	186	566
Peach	0	30	29	-26	27	1
Table Olive	6	5	11	7	4	12
Oil Olive	39	150	189	52	134	186
Orange	10	128	138	14	124	138
Grapefruit	42	38	80	58	37	95
Lemon	77	189	266	107	183	290
Mandarin	18	100	117	24	96	120
Pistachio	36	27	62	48	25	73
Hazelnut	2472	418	2890	3212	352	3564
Fig (Dry)	139	109	248	182	97	279
Fig (Fresh)	0	0	0	0	0	0
Table Grape	42	117	159	55	104	160
Raisin Grape	307	149	456	387	129	516
Tea	12	-6	7	17	-8	8
Cherry	136	60	196	185	56	241
Pomegranate	36	53	89	47	47	94

Net Exports (Million USD)						
	BASE			CUSTOMS UNION		
	EU	ROW	TOTAL	EU	ROW	TOTAL
LIVESTOCK & POUL.	-32	1486	1455	-2021	1566	-455
MEAT	-11	42	31	-1496	79	-1417
Cow Meat	-11	36	25	-1304	59	-1245
Sheep Meat	0	6	6	-152	20	-132
Goat Meat	0	0	0	-40	0	-40
MILK	-19	590	570	-310	595	285
Cow Milk	-18	544	526	-280	544	265
Sheep Milk	-1	27	26	-21	30	9
Goat Milk	0	18	18	-10	21	11
POULTRY	-2	855	853	-215	893	678
Poultry Meat	0	415	415	-181	487	306
Egg	-2	440	438	-34	406	372
TOTAL	5362	3403	8765	4349	3478	7827

Tarımsal Üretim Üzerindeki Etkiler

Prof. Dr. Ozan Eruygur

Production (Million USD)						
Volume (2014-16 prices) and Value (scenario prices)						
	BASE		CUSTOMS UNION		CHANGE	
	VALUE	VOLUME	VALUE	VOLUME	VALUE	VOLUME
CROP PRODUCTS	40244	40244	39987	39983	-0.6%	-0.6%
CEREALS	10133	10133	9110	9709	-10.1%	-4.2%
Common Wheat	5152	5152	4772	5092	-7.4%	-1.2%
Durum Wheat	1117	1117	932	1007	-16.5%	-9.8%
Barley	1785	1785	1595	1732	-10.6%	-3.0%
Corn	1587	1587	1399	1441	-11.9%	-9.2%
Rice	356	356	286	303	-19.6%	-15.0%
Rye	136	136	125	133	-7.9%	-2.2%
PULSES	1683	1683	1727	1752	2.6%	4.1%
Chickpea	503	503	495	506	-1.4%	0.6%
Drybean	317	317	356	363	12.3%	14.4%
Fresh Bean	587	587	583	586	-0.7%	-0.2%
Lentil	276	276	293	298	6.0%	7.9%
INDUSTRIAL CROPS	2875	2875	2759	2814	-4.0%	-2.1%
Tobacco	387	387	283	287	-26.9%	-25.9%
Sugarbeet	1219	1219	1155	1178	-5.2%	-3.4%
Cotton	1270	1270	1321	1350	4.1%	6.3%
OILSEEDS	1506	1506	1240	1282	-17.7%	-14.8%
Sesame	43	43	29	31	-32.5%	-28.0%
Sunflower	1182	1182	1001	1037	-15.3%	-12.3%
Groundnut	210	210	162	164	-22.7%	-21.7%
Soybean	70	70	47	50	-32.7%	-28.5%

Production (Million USD)						
Volume (2014-16 prices) and Value (scenario prices)						
	BASE		CUSTOMS UNION		CHANGE	
	VALUE	VOLUME	VALUE	VOLUME	VALUE	VOLUME
TUBERS	2602	2602	2566	2582	-1.4%	-0.8%
Onion (Dry)	484	484	476	481	-1.6%	-0.8%
Potato	1798	1798	1773	1783	-1.4%	-0.8%
Onion (Fresh)	109	109	108	109	-0.8%	-0.2%
Garlic (Dry)	185	185	183	184	-1.3%	-0.9%
Garlic (Fresh)	26	26	26	26	-0.6%	0.0%
VEGETABLES	3779	3779	3757	3784	-0.6%	0.1%
Melon	539	539	536	540	-0.5%	0.2%
Watermelon	427	427	421	427	-1.3%	-0.1%
Cucumber	128	128	127	129	-1.0%	0.7%
Eggplant	113	113	112	113	-0.8%	0.4%
Fresh Tomato	824	824	821	828	-0.3%	0.4%
Processing Tomato	751	751	733	737	-2.3%	-1.8%
Green Pepper	185	185	184	187	-0.3%	1.1%
Red Pepper	813	813	822	824	1.1%	1.4%
GREENHOUSE PRODUCTS	5188	5188	5342	5233	3.0%	0.9%
Fresh Bean	80	80	81	79	1.1%	-1.9%
Melon	123	123	125	119	2.0%	-2.9%
Watermelon	297	297	305	287	2.5%	-3.5%
Cucumber	773	773	793	778	2.6%	0.7%
Eggplant	129	129	132	126	2.2%	-2.1%
Tomato	3034	3034	3113	3063	2.6%	1.0%
Green Pepper	752	752	794	780	5.6%	3.7%

Production (Million USD)						
Volume (2014-16 prices) and Value (scenario prices)						
	BASE		CUSTOMS UNION		CHANGE	
	VALUE	VOLUME	VALUE	VOLUME	VALUE	VOLUME
FRUITS AND NUTS	12478	12478	13486	12827	8.1%	2.8%
Apple	1226	1226	1309	1271	6.8%	3.7%
Apricot	521	521	566	552	8.6%	6.0%
Peach	421	421	382	373	-9.2%	-11.3%
Table Olive	650	650	675	623	3.8%	-4.0%
Oil Olive	1517	1517	1537	1408	1.3%	-7.2%
Orange	405	405	416	403	2.8%	-0.5%
Grapefruit	47	47	54	52	16.2%	12.3%
Lemon	323	323	341	334	5.7%	3.4%
Mandarin	274	274	283	272	3.3%	-0.6%
Pistachio	912	912	939	910	3.0%	-0.3%
Hazelnut	2285	2285	2890	2676	26.5%	17.1%
Fig (Dry)	351	351	394	371	12.1%	5.7%
Fig (Fresh)	86	86	86	85	0.9%	-0.4%
Table Grape	1297	1297	1317	1276	1.6%	-1.6%
Raisin Grape	477	477	566	536	18.7%	12.3%
Tea	806	806	810	792	0.5%	-1.8%
Cherry	721	721	753	732	4.4%	1.5%
Pomegranate	161	161	167	160	3.6%	-0.4%

Production (Million USD)						
Volume (2014-16 prices) and Value (scenario prices)						
	BASE		CUSTOMS UNION		CHANGE	
	VALUE	VOLUME	VALUE	VOLUME	VALUE	VOLUME
LIVESTOCK & POUL.	23041	23041	18645	21954	-19.1%	-4.7%
MEAT	9017	9017	5855	8454	-35.1%	-6.2%
Cow Meat	8012	8012	5115	7459	-36.2%	-6.9%
Sheep Meat	775	775	565	764	-27.0%	-1.3%
Goat Meat	231	231	175	231	-24.2%	0.0%
MILK	8642	8642	7854	8120	-9.1%	-6.0%
Cow Milk	7385	7385	6680	6875	-9.5%	-6.9%
Sheep Milk	902	902	840	890	-6.9%	-1.3%
Goat Milk	355	355	334	355	-5.9%	0.0%
POULTRY	5381	5381	4937	5380	-8.3%	0.0%
Poultry Meat	3449	3449	3132	3448	-9.2%	0.0%
Egg	1933	1933	1805	1932	-6.6%	0.0%
TOTAL	63285	63285	58632	61938	-7.4%	-2.1%

Fiyat Üzerindeki Etkiler

Prof. Dr. Ozan Eruygur

Prices of Selected Products	(USD/Ton)		
Laspeyres Index for Groups			
BASE=100	BASE	EU-CU	CHANGE (%)
CROP PRODUCTS	100.0	99.6	-0.4%
CEREALS	100.0	94.4	-5.6%
Common Wheat	302	283	-6.3%
Durum Wheat	304	281	-7.4%
Barley	255	235	-7.9%
Corn	254	247	-2.9%
Rice	667	631	-5.5%
Rye	252	237	-5.8%
PULSES	100.0	98.5	-1.5%
Chickpea	1,105	1,082	-2.1%
Drybean	1,388	1,362	-1.9%
Fresh Bean	918	913	-0.5%
Lentil	774	760	-1.8%
INDUSTRIAL CROPS	100.0	98.1	-1.9%
Tobacco	5,457	5,377	-1.5%
Sugarbeet	70	69	-1.9%
Cotton	586	574	-2.1%

Prices of Selected Products	(USD/Ton)		
Laspeyres Index for Groups			
BASE=100	BASE	EU-CU	CHANGE (%)
OILSEEDS	100.0	95.5	-4.5%
Sesame	2,298	2,155	-6.2%
Sunflower	711	686	-3.4%
Groundnut	1,447	1,428	-1.3%
Soybean	444	418	-5.9%
TUBERS	100.0	99.4	-0.6%
Onion (Dry)	251	249	-0.9%
Potato	394	392	-0.6%
Onion (Fresh)	771	767	-0.6%
Garlic (Dry)	1,885	1,877	-0.4%
Garlic (Fresh)	1,025	1,019	-0.6%
VEGETABLES	100.0	99.3	-0.7%
Melon	270	268	-0.7%
Watermelon	133	131	-1.2%
Cucumber	176	173	-1.6%
Eggplant	210	207	-1.2%
Fresh Tomato	178	177	-0.7%
Processing Tomato	182	181	-0.5%
Green Pepper	219	216	-1.4%
Red Pepper	742	740	-0.3%

Prices of Selected Products	(USD/Ton)		
Laspeyres Index for Groups			
BASE=100	BASE	EU-CU	CHANGE (%)
GREENHOUSE PRODUCTS	100.0	102.2	2.2%
Fresh Bean	1,744	1,797	3.0%
Melon	741	778	5.0%
Watermelon	424	450	6.1%
Cucumber	717	730	1.9%
Eggplant	442	462	4.5%
Tomato	843	857	1.6%
Green Pepper	1,252	1,274	1.8%
FRUITS AND NUTS	100.0	104.7	4.7%
Apple	461	475	3.0%
Apricot	931	954	2.5%
Peach	656	672	2.4%
Table Olive	1,537	1,663	8.2%
Oil Olive	1,158	1,264	9.1%
Orange	223	230	3.3%
Grapefruit	191	198	3.4%
Lemon	416	425	2.2%
Mandarin	232	241	4.0%
Pistachio	6,951	7,178	3.3%
Hazelnut	4,523	4,885	8.0%
Fig (Dry)	3,403	3,609	6.1%
Fig (Fresh)	1,096	1,111	1.3%
Table Grape	643	664	3.2%
Raisin Grape	1,517	1,603	5.7%
Tea	613	627	2.3%
Cherry	1,368	1,407	2.9%
Pomegranate	369	384	4.0%

Bölgesel Etkiler

Prof. Dr. Ozan Eruygur

Production Changes	CHANGE			
	Coastal	Central	Eastern	GAP
<i>CROP PRODUCTS</i>				
Common Wheat	-6%	5%	-1%	-9%
Durum Wheat	18%	-12%	-2%	-14%
Barley	15%	-8%	-1%	-2%
Corn	-13%	2%	-3%	-9%
Rice	-15%	-17%	-5%	-17%
Rye	-15%	4%	0%	-10%
<i>PULSES</i>				
Chickpea	31%	-11%	-1%	-26%
Drybean	200%	-10%	-2%	8%
Fresh Bean	-7%	17%	-2%	66%
Lentil	106%	5%	0%	6%
<i>INDUSTRIAL CROPS</i>				
Tobacco	-27%	-28%	-6%	-25%
Sugarbeet	18%	-5%	-3%	-26%
Cotton	-10%	25%	-3%	18%

Production Changes				
	CHANGE			
	Coastal	Central	Eastern	GAP
OILSEEDS				
Sesame	-28%	-27%	-6%	-27%
Sunflower	-14%	-10%	-2%	46%
Groundnut	-23%	20%		-18%
Soybean	-30%	-18%		3%
TUBERS				
Onion (Dry)	19%	-15%	-3%	66%
Potato	30%	-10%	-3%	1%
Onion (Fresh)	24%	-26%	-4%	1%
Garlic (Dry)	16%	1%	-3%	-43%
Garlic (Fresh)	35%	10%	-4%	-45%
VEGETABLES				
Melon	29%	-20%	-4%	-30%
Watermelon	-29%	37%	-3%	58%
Cucumber	3%	-7%	-4%	17%
Eggplant	1%	13%	-3%	-9%
Fresh Tomato	-17%	18%	-3%	56%
Processing Tomato	-12%	54%	-2%	69%
Green Pepper	-11%	18%	-3%	63%
Red Pepper	-28%	43%	-1%	52%

Production Changes	CHANGE			
	Coastal	Central	Eastern	GAP
GREENHOUSE PRODUCTS				
Fresh Bean	-2%	-39%		
Melon	-3%			
Watermelon	-3%			
Cucumber	5%	-47%	-48%	9%
Eggplant	-2%			-45%
Tomato	0%	33%	97%	
Green Pepper	4%	-46%		
FRUITS AND NUTS				
Apple	37%	-41%	38%	-25%
Apricot	72%	-49%	-18%	37%
Peach	-11%	-39%	133%	61%
Table Olive	-4%	-38%		24%
Oil Olive	-9%	-41%		27%
Orange	0%	-40%		
Grapefruit	12%			
Lemon	3%	-44%		
Mandarin	-1%	-36%		
Pistachio	200%	-36%	200%	-10%
Hazelnut	1%	118%	200%	
Fig (Dry)	6%			
Fig (Fresh)	-1%	47%	200%	-28%
Table Grape	4%	-38%	29%	12%
Raisin Grape	21%	-37%	-46%	-1%
Tea	-2%			
Cherry	-29%	30%	200%	21%
Pomegranate	0%	-36%	193%	5%

- ▶ **Gübre Fiyatlarında %25 Artış (Gübre Desteklerinde Eşdeğer Azalma)**
- ▶ **%25 Fertilizer Price Increase (An Equivalent Decline in Fertilizer Subsidies)**

SİMÜLASYON 2

Genel Etkiler

Prof. Dr. Ozan Eruygur

	BAZ	SENARYO	DEĞİŞİM
Toplam Artık (Endeks)	100.0	99.9	-0.1%
Üretici Artığı	100.0	100.0	0.0%
Tüketici Artığı	100.0	99.6	-0.4%
Toplam Üretim			
Hacim ^a	63,285	62,850	-0.7%
Değer	63,285	63,289	0.0%
Bitkisel Üretim			
Hacim ^a	40,244	39,822	-1.0%
Değer	40,244	40,255	0.0%
Hayvansal Üretim			
Hacim ^a	23,041	23,029	-0.1%
Değer	23,041	23,034	0.0%
Toplam Tüketim			
Hacim ^a	54,198	53,988	-0.4%
Değer	54,198	54,218	0.0%
Bitkisel Tüketim			
Hacim ^a	32,473	32,268	-0.6%
Değer	32,473	32,493	0.1%
Hayvansal Tüketim			
Hacim ^a	21,725	21,720	0.0%
Değer	21,725	21,725	0.0%
Net İhracat	8,765	8,659	-1.2%
Bitkisel Ürünler	7,311	7,175	-1.9%
Hayvansal Ürünler	1,455	1,484	2.1%
Fiyat Endeksi (Laspeyres)	100.0	100.4	0.4%
Bitkisel Ürünler	100.0	100.7	0.7%
Hayvansal Ürünler	100.0	100.0	0.0%

Dış Ticaret Etkileri

Prof. Dr. Ozan Eruygur

Net Exports (Million USD)						
	BASE			SCENARIO		
	EU	ROW	TOTAL	EU	ROW	TOTAL
CROP PRODUCTS	5394	1917	7311	5407	1768	7175
CEREALS	-173	737	564	-190	694	504
Common Wheat	-61	667	605	-67	644	577
Durum Wheat	-6	237	231	-7	225	218
Barley	-15	-21	-36	-17	-22	-39
Corn	-58	-74	-132	-64	-78	-141
Rice	-32	-71	-104	-36	-75	-111
Rye	0	0	0	0	0	-1
PULSES	18	-63	-44	18	-66	-48
Chickpea	13	-13	0	13	-14	-1
Drybean	2	-36	-33	2	-37	-35
Fresh Bean	0	3	2	0	3	
Lentil	3	-16	-14	3	-17	-14
INDUSTRIAL CROPS	1085	-12	1073	1118	-31	1087
Tobacco	-54	395	341	0	396	396
Sugarbeet	-4	-42	-45	-4	-44	-48
Cotton	1142	-365	777	1122	-383	739

Net Exports (Million USD)						
	BASE			SCENARIO		
	EU	ROW	TOTAL	EU	ROW	TOTAL
OILSEEDS	-116	-1528	-1644	-104	-1603	-1708
Sesame	10	-197	-187	10	-207	-197
Sunflower	-104	-280	-384	-114	-294	-408
Groundnut	0	-20	-20	0	-21	-21
Soybean	-22	-1032	-1054	0	-1082	-1082
TUBERS	-8	64	56	-9.5	63.1	54
Onion (Dry)	3	21	24	3	21	24
Potato	-15	28	13	-17	28	11
Onion (Fresh)	4	20	24	4	19	
Garlic (Dry)	0	-4	-4	0	-4	
Garlic (Fresh)	0	0	0	0	0	
VEGETABLES	154	263	417	153	262	415
Melon	3	1	4	3	1	4
Watermelon	5	0	5	5	0	5
Cucumber	3	2	5	3	2	5
Eggplant	1	1	1	1	1	1
Fresh Tomato	50	57	108	50	57	107
Processing Tomato	41	169	210	41	168	209
Green Pepper	16	3	19	16	3	19
Red Pepper	35	30	66	35	30	66

Net Exports (Million USD)						
	BASE			SCENARIO		
	EU	ROW	TOTAL	EU	ROW	TOTAL
GREENHOUSE PRODUCTS	437	584	1021	437	583	1020
Fresh Bean	0	1	1	0	1	1
Melon	0	0	1	0	0	1
Watermelon	2	0	2	2	0	2
Cucumber	44	43	88	44	43	87
Eggplant	5	6	12	5	6	11
Tomato	287	501	788	286	501	787
Green Pepper	99	31	130	99	31	130
FRUITS AND NUTS	3997	1871	5868	3985	1866	5851
Apple	344	102	446	344	102	446
Apricot	281	203	484	281	203	484
Peach	0	30	29	0	29	29
Table Olive	6	5	11	6	5	11
Oil Olive	39	150	189	39	151	190
Orange	10	128	138	10	127	137
Grapefruit	42	38	80	42	38	80
Lemon	77	189	266	77	187	264
Mandarin	18	100	117	17	99	116
Pistachio	36	27	62	36	27	63
Hazelnut	2472	418	2890	2463	415	2878
Fig (Dry)	139	109	248	140	110	251
Fig (Fresh)	0	0	0	0	0	0
Table Grape	42	117	159	42	117	159
Raisin Grape	307	149	456	304	148	452
Tea	12	-6	7	12	-6	6
Cherry	136	60	196	136	60	196
Pomegranate	36	53	89	36	53	89

Net Exports (Million USD)						
	BASE			SCENARIO		
	EU	ROW	TOTAL	EU	ROW	TOTAL
LIVESTOCK & POUL.	-32	1486	1455	-35	1519	1484
MEAT	-11	42	31	-12	36	24
Cow Meat	-11	36	25	-12	36	24
Sheep Meat	0	6	6	0	0	0
Goat Meat	0	0	0	0	0	0
MILK	-19	590	570	-21	628	607
Cow Milk	-18	544	526	-20	583	563
Sheep Milk	-1	27	26	-1	27	26
Goat Milk	0	18	18	0	19	19
POULTRY	-2	855	853	-2	855	853
Poultry Meat	0	415	415	0	415	415
Egg	-2	440	438	-2	440	438
TOTAL	5362	3403	8765	5372	3287	8659

Tarımsal Üretim Üzerindeki Etkiler

Prof. Dr. Ozan Eruygur

Production (Million USD)						
Volume (2014-16 prices) and Value (scenario prices)						
	BASE		SCENARIO		CHANGE	
	VALUE	VOLUME	VALUE	VOLUME	VALUE	VOLUME
CROP PRODUCTS	40244	40244	40255	39822	0.0%	-1.0%
CEREALS	10133	10133	10192	9866	0.6%	-2.6%
Common Wheat	5152	5152	5181	4991	0.6%	-3.1%
Durum Wheat	1117	1117	1116	1068	-0.1%	-4.4%
Barley	1785	1785	1841	1780	3.1%	-0.3%
Corn	1587	1587	1571	1556	-1.0%	-2.0%
Rice	356	356	344	335	-3.4%	-5.9%
Rye	136	136	140	136	3.2%	0.3%
PULSES	1683	1683	1683	1676	0.0%	-0.4%
Chickpea	503	503	500	503	-0.4%	0.0%
Drybean	317	317	316	314	-0.2%	-1.0%
Fresh Bean	587	587	588	586	0.2%	-0.1%
Lentil	276	276	278	274	0.7%	-0.9%
INDUSTRIAL CROPS	2875	2875	2898	2841	0.8%	-1.2%
Tobacco	387	387	441	442	14.1%	14.3%
Sugarbeet	1219	1219	1228	1202	0.8%	-1.4%
Cotton	1270	1270	1228	1198	-3.3%	-5.7%
OILSEEDS	1506	1506	1417	1405	-5.9%	-6.7%
Sesame	43	43	30	30	-29.8%	-29.9%
Sunflower	1182	1182	1133	1118	-4.2%	-5.4%
Groundnut	210	210	208	207	-0.7%	-1.2%
Soybean	70	70	46	49	-34.1%	-30.0%

Production (Million USD)						
Volume (2014-16 prices) and Value (scenario prices)						
	BASE		SCENARIO		CHANGE	
	VALUE	VOLUME	VALUE	VOLUME	VALUE	VOLUME
TUBERS	2602	2602	2611	2596	0.3%	-0.2%
Onion (Dry)	484	484	487	483	0.6%	-0.2%
Potato	1798	1798	1803	1794	0.3%	-0.2%
Onion (Fresh)	109	109	109	109	0.3%	-0.3%
Garlic (Dry)	185	185	186	185	0.1%	-0.2%
Garlic (Fresh)	26	26	26	26	0.5%	-0.2%
VEGETABLES	3779	3779	3793	3773	0.4%	-0.2%
Melon	539	539	540	538	0.3%	-0.1%
Watermelon	427	427	428	426	0.3%	-0.1%
Cucumber	128	128	129	128	0.8%	-0.3%
Eggplant	113	113	115	112	1.5%	-0.7%
Fresh Tomato	824	824	827	823	0.4%	-0.1%
Processing Tomato	751	751	753	749	0.3%	-0.2%
Green Pepper	185	185	186	184	0.9%	-0.4%
Red Pepper	813	813	814	812	0.2%	-0.1%

Production (Million USD)						
Volume (2014-16 prices) and Value (scenario prices)						
	BASE		SCENARIO		CHANGE	
	VALUE	VOLUME	VALUE	VOLUME	VALUE	VOLUME
GREENHOUSE PRODUCTS	5188	5188	5188	5186	0.0%	0.0%
Fresh Bean	80	80	80	80	-0.1%	0.2%
Melon	123	123	123	123	0.0%	0.0%
Watermelon	297	297	297	298	-0.1%	0.2%
Cucumber	773	773	773	773	0.0%	0.0%
Eggplant	129	129	129	128	0.2%	-0.4%
Tomato	3034	3034	3035	3033	0.0%	0.0%
Green Pepper	752	752	752	752	0.0%	-0.1%
FRUITS AND NUTS	12478	12478	12472	12477	0.0%	0.0%
Apple	1226	1226	1226	1226	0.0%	0.0%
Apricot	521	521	521	521	0.0%	-0.1%
Peach	421	421	421	421	0.0%	0.0%
Table Olive	650	650	647	653	-0.4%	0.4%
Oil Olive	1517	1517	1514	1528	-0.2%	0.8%
Orange	405	405	407	404	0.6%	-0.3%
Grapefruit	47	47	47	46	0.3%	-0.4%
Lemon	323	323	323	321	0.1%	-0.5%
Mandarin	274	274	275	273	0.5%	-0.3%
Pistachio	912	912	911	913	-0.2%	0.1%
Hazelnut	2285	2285	2283	2276	-0.1%	-0.4%
Fig (Dry)	351	351	352	354	0.1%	0.6%
Fig (Fresh)	86	86	86	86	-0.1%	0.0%
Table Grape	1297	1297	1296	1297	0.0%	0.0%
Raisin Grape	477	477	475	473	-0.4%	-0.9%
Tea	806	806	806	804	0.0%	-0.2%
Cherry	721	721	721	721	0.0%	0.0%
Pomegranate	161	161	161	161	0.0%	0.0%

Production (Million USD)						
Volume (2014-16 prices) and Value (scenario prices)						
	BASE		SCENARIO		CHANGE	
	VALUE	VOLUME	VALUE	VOLUME	VALUE	VOLUME
LIVESTOCK & POUL.	23041	23041	23034	23029	0.0%	-0.1%
MEAT	9017	9017	9016	9011	0.0%	-0.1%
Cow Meat	8012	8012	8014	8010	0.0%	0.0%
Sheep Meat	775	775	769	767	-0.7%	-1.0%
Goat Meat	231	231	233	234	1.0%	1.3%
MILK	8642	8642	8638	8637	-0.1%	-0.1%
Cow Milk	7385	7385	7383	7383	0.0%	0.0%
Sheep Milk	902	902	895	893	-0.8%	-1.0%
Goat Milk	355	355	359	360	1.1%	1.3%
POULTRY	5381	5381	5380	5381	0.0%	0.0%
Poultry Meat	3449	3449	3444	3449	-0.1%	0.0%
Egg	1933	1933	1936	1933	0.2%	0.0%
TOTAL	63285	63285	63289	62850	0.0%	-0.7%

Fiyat Üzerindeki Etkiler

Prof. Dr. Ozan Eruygur

Prices of Selected Products	(USD/Ton)		
Laspeyres Index for Groups			
BASE=100	BASE	SCENARIO	CHANGE (%)
CROP PRODUCTS	100.0	100.7	0.7%
CEREALS	100.0	103.1	3.1%
Common Wheat	302	314	3.8%
Durum Wheat	304	318	4.5%
Barley	255	264	3.4%
Corn	254	256	1.0%
Rice	667	685	2.7%
Rye	252	259	2.9%
PULSES	100.0	100.4	0.4%
Chickpea	1,105	1,100	-0.4%
Drybean	1,388	1,399	0.8%
Fresh Bean	918	921	0.4%
Lentil	774	786	1.6%
INDUSTRIAL CROPS	100.0	102.1	2.1%
Tobacco	5,457	5,449	-0.1%
Sugarbeet	70	72	2.2%
Cotton	586	601	2.6%

Prices of Selected Products	(USD/Ton)		
Laspeyres Index for Groups			
BASE=100	BASE	SCENARIO	CHANGE (%)
OILSEEDS	100.0	98.4	-1.6%
Sesame	2,298	2,302	0.2%
Sunflower	711	720	1.3%
Groundnut	1,447	1,454	0.5%
Soybean	444	418	-5.9%
TUBERS	100.0	100.6	0.6%
Onion (Dry)	251	253	0.8%
Potato	394	396	0.5%
Onion (Fresh)	771	776	0.6%
Garlic (Dry)	1,885	1,891	0.3%
Garlic (Fresh)	1,025	1,032	0.7%
VEGETABLES	100.0	100.5	0.5%
Melon	270	271	0.4%
Watermelon	133	134	0.5%
Cucumber	176	178	1.1%
Eggplant	210	215	2.2%
Fresh Tomato	178	179	0.5%
Processing Tomato	182	183	0.5%
Green Pepper	219	222	1.2%
Red Pepper	742	744	0.3%

Prices of Selected Products	(USD/Ton)		
Laspeyres Index for Groups			
BASE=100	BASE	SCENARIO	CHANGE (%)
GREENHOUSE PRODUCTS	100.0	100.0	0.0%
Fresh Bean	1,744	1,740	-0.2%
Melon	741	741	-0.1%
Watermelon	424	423	-0.3%
Cucumber	717	717	0.0%
Eggplant	442	445	0.7%
Tomato	843	843	0.0%
Green Pepper	1,252	1,253	0.1%
FRUITS AND NUTS	100.0	99.8	-0.2%
Apple	461	461	0.0%
Apricot	931	932	0.1%
Peach	656	656	0.1%
Table Olive	1,537	1,524	-0.8%
Oil Olive	1,158	1,147	-0.9%
Orange	223	225	0.8%
Grapefruit	191	192	0.7%
Lemon	416	419	0.7%
Mandarin	232	234	0.9%
Pistachio	6,951	6,930	-0.3%
Hazelnut	4,523	4,537	0.3%
Fig (Dry)	3,403	3,384	-0.6%
Fig (Fresh)	1,096	1,095	-0.1%
Table Grape	643	643	-0.1%
Raisin Grape	1,517	1,524	0.5%
Tea	613	615	0.3%
Cherry	1,368	1,369	0.1%
Pomegranate	369	369	0.1%

Prices of Selected Products	(USD/Ton)		
Laspeyres Index for Groups			
BASE=100	BASE	SCENARIO	CHANGE (%)
LIVESTOCK & POUL.	100.0	100.0	0.0%
MEAT	100.0	100.1	0.1%
Cow Meat	8,138	8,141	0.0%
Sheep Meat	8,181	8,207	0.3%
Goat Meat	7,519	7,498	-0.3%
MILK	100.0	100.0	0.0%
Cow Milk	437	437	0.0%
Sheep Milk	788	790	0.2%
Goat Milk	758	756	-0.3%
POULTRY	100.0	100.0	0.0%
Poultry Meat	1,820	1,817	-0.1%
Egg	1,787	1,790	0.2%
TOTAL	100.0	100.4	0.4%

Bölgesel Etkiler

Prof. Dr. Ozan Eruygur

Production Changes	CHANGE			
	Coastal	Central	Eastern	GAP
CROP PRODUCTS				
Common Wheat	-18%	-1%	0%	23%
Durum Wheat	-3%	-2%	-1%	-8%
Barley	35%	-6%	0%	-13%
Corn	7%	1%	-1%	-22%
Rice	-6%	-7%	-4%	-30%
Rye	-11%	6%	0%	26%
PULSES				
Chickpea	17%	-8%	0%	-6%
Drybean	-30%	3%	0%	-2%
Fresh Bean	9%	-27%	0%	-26%
Lentil	-15%	35%	0%	-3%
INDUSTRIAL CROPS				
Tobacco	22%	-7%	0%	-4%
Sugarbeet	-30%	1%	0%	-30%
Cotton	12%	17%	-1%	-19%

Production Changes				
	CHANGE			
	Coastal	Central	Eastern	GAP
OILSEEDS				
Sesame	-30%	-30%	-1%	-30%
Sunflower	-17%	16%	-1%	-15%
Groundnut	-1%	-20%		-24%
Soybean	-30%	-30%		-30%
TUBERS				
Onion (Dry)	50%	-25%	-3%	-30%
Potato	-30%	9%	1%	85%
Onion (Fresh)	-28%	36%	-1%	-29%
Garlic (Dry)	6%	2%	-1%	-20%
Garlic (Fresh)	-30%	-30%	-4%	55%
VEGETABLES				
Melon	-30%	28%	2%	10%
Watermelon	12%	-8%	-1%	-30%
Cucumber	1%	10%	0%	-30%
Eggplant	-8%	74%	-3%	-30%
Fresh Tomato	4%	-11%	0%	9%
Processing Tomato	3%	-11%	-3%	-30%
Green Pepper	7%	-13%	-1%	-30%
Red Pepper	18%	-30%	0%	-30%

Production Changes	CHANGE			
	Coastal	Central	Eastern	GAP
GREENHOUSE PRODUCTS				
Fresh Bean	0%	-30%		
Melon	0%			
Watermelon	0%			
Cucumber	3%	-30%	-30%	6%
Eggplant	0%			-30%
Tomato	-1%	13%	60%	
Green Pepper	-1%	101%		
FRUITS AND NUTS				
Apple	-4%	4%	12%	-23%
Apricot	14%	3%	-8%	-30%
Peach	0%	0%	-3%	-28%
Table Olive	0%	8%		-8%
Oil Olive	1%	14%		-9%
Orange	0%	-30%		
Grapefruit	0%			
Lemon	-1%	-30%		
Mandarin	0%	-30%		
Pistachio	-18%	20%	-30%	0%
Hazelnut	-1%	2%	-6%	
Fig (Dry)	1%			
Fig (Fresh)	2%	-16%	-30%	-10%
Table Grape	-4%	-4%	45%	11%
Raisin Grape	0%	-19%	-30%	8%
Tea	0%			
Cherry	2%	-3%	19%	-28%
Pomegranate	4%	4%	13%	-29%

- ▶ GAP Bölgesi Sulanan Alanında %20 Artış
- ▶ %20 Increase in GAP's Irrigated Land

SİMÜLASYON 3

Genel Etkiler

Prof. Dr. Ozan Eruygur

	BAZ	SENARYO	DEĞİŞİM
Toplam Artık (Endeks)	100.0	100.2	0.2%
Üretici Artığı	100.0	100.2	0.2%
Tüketici Artığı	100.0	100.6	0.6%
Toplam Üretim			
Hacim ^a	63,285	63,500	0.3%
Değer	63,285	63,070	-0.3%
Bitkisel Üretim			
Hacim ^a	40,244	40,458	0.5%
Değer	40,244	40,036	-0.5%
Hayvansal Üretim			
Hacim ^a	23,041	23,042	0.0%
Değer	23,041	23,034	0.0%
Toplam Tüketim			
Hacim ^a	54,198	54,380	0.3%
Değer	54,198	54,020	-0.3%
Bitkisel Tüketim			
Hacim ^a	32,473	32,648	0.5%
Değer	32,473	32,296	-0.5%
Hayvansal Tüketim			
Hacim ^a	21,725	21,732	0.0%
Değer	21,725	21,724	0.0%
Net İhracat	8,765	8,941	2.0%
Bitkisel Ürünler	7,311	7,456	2.0%
Hayvansal Ürünler	1,455	1,485	2.1%
Fiyat Endeksi (Laspeyres)	100.0	99.3	-0.7%
Bitkisel Ürünler	100.0	98.9	-1.1%
Hayvansal Ürünler	100.0	100.0	0.0%

Dış Ticaret Etkileri

Prof. Dr. Ozan Eruygur

Net Exports (Million USD)						
	BASE			SCENARIO		
	EU	ROW	TOTAL	EU	ROW	TOTAL
CROP PRODUCTS	5394	1917	7311	5598	1858	7456
CEREALS	-173	737	564	-173	736	563
Common Wheat	-61	667	605	-69	672	603
Durum Wheat	-6	237	231	-7	240	233
Barley	-15	-21	-36	0	-22	-22
Corn	-58	-74	-132	-61	-75	-137
Rice	-32	-71	-104	-36	-79	-114
Rye	0	0	0	0	0	0
PULSES	18	-63	-44	18	-66	-47
Chickpea	13	-13	0	13	-14	0
Drybean	2	-36	-33	2	-37	-35
Freash Bean	0	3	2	0	3	
Lentil	3	-16	-14	3	-17	-14
INDUSTRIAL CROPS	1085	-12	1073	1143	-42	1101
Tobacco	-54	395	341	0	395	395
Sugarbeet	-4	-42	-45	-4	-45	-49
Cotton	1142	-365	777	1147	-392	755
OILSEEDS	-116	-1528	-1644	-105	-1616	-1721
Sesame	10	-197	-187	10	-204	-194
Sunflower	-104	-280	-384	-115	-309	-423
Groundnut	0	-20	-20	0	-21	-21
Soybean	-22	-1032	-1054	0	-1082	-1082

Net Exports (Million USD)						
	BASE			SCENARIO		
	EU	ROW	TOTAL	EU	ROW	TOTAL
TUBERS	-8	64	56	-8.7	64.2	55
Onion (Dry)	3	21	24	3	21	24
Potato	-15	28	13	-16	28	12
Onion (Fresh)	4	20	24	4	20	
Garlic (Dry)	0	-4	-4	0	-4	
Garlic (Fresh)	0	0	0	0	0	
VEGETABLES	154	263	417	154	264	418
Melon	3	1	4	3	1	4
Watermelon	5	0	5	5	0	5
Cucumber	3	2	5	3	2	5
Eggplant	1	1	1	1	1	1
Fresh Tomato	50	57	108	50	57	108
Processing Tomato	41	169	210	41	169	210
Green Pepper	16	3	19	16	3	19
Red Pepper	35	30	66	35	31	66
GREENHOUSE PRODUCTS	437	584	1021	437	584	1021
Fresh Bean	0	1	1	0	1	1
Melon	0	0	1	0	0	1
Watermelon	2	0	2	2	0	2
Cucumber	44	43	88	44	43	88
Eggplant	5	6	12	5	6	12
Tomato	287	501	788	287	501	788
Green Pepper	99	31	130	99	31	130

Net Exports (Million USD)						
	BASE			SCENARIO		
	EU	ROW	TOTAL	EU	ROW	TOTAL
FRUITS AND NUTS	3997	1871	5868	4132	1934	6066
Apple	344	102	446	349	104	453
Apricot	281	203	484	284	207	491
Peach	0	30	29	0	30	30
Table Olive	6	5	11	6	5	11
Oil Olive	39	150	189	40	156	195
Orange	10	128	138	10	129	139
Grapefruit	42	38	80	43	38	81
Lemon	77	189	266	78	191	269
Mandarin	18	100	117	18	101	119
Pistachio	36	27	62	38	28	66
Hazelnut	2472	418	2890	2572	444	3016
Fig (Dry)	139	109	248	145	114	258
Fig (Fresh)	0	0	0	0	0	
Table Grape	42	117	159	43	121	164
Raisin Grape	307	149	456	322	155	477
Tea	12	-6	7	12	-6	6
Cherry	136	60	196	137	62	199
Pomegranate	36	53	89	36	54	91

Net Exports (Million USD)						
	BASE			SCENARIO		
	EU	ROW	TOTAL	EU	ROW	TOTAL
LIVESTOCK & POUL.	-32	1486	1455	-35	1520	1485
MEAT	-11	42	31	-12	36	24
Cow Meat	-11	36	25	-12	36	24
Sheep Meat	0	6	6	0	0	0
Goat Meat	0	0	0	0	0	0
MILK	-19	590	570	-20	629	609
Cow Milk	-18	544	526	-19	583	564
Sheep Milk	-1	27	26	-1	27	26
Goat Milk	0	18	18	0	19	18
POULTRY	-2	855	853	-2	855	853
Poultry Meat	0	415	415	0	415	415
Egg	-2	440	438	-2	440	438
TOTAL	5362	3403	8765	5563	3378	8941

Tarımsal Üretim Üzerindeki Etkiler

Prof. Dr. Ozan Eruygur

Production (Million USD)						
Volume (2014-16 prices) and Value (scenario prices)						
	BASE		SCENARIO		CHANGE	
	VALUE	VOLUME	VALUE	VOLUME	VALUE	VOLUME
CROP PRODUCTS	40244	40244	40036	40458	-0.5%	0.5%
CEREALS	10133	10133	10103	10190	-0.3%	0.6%
Common Wheat	5152	5152	5123	5171	-0.6%	0.4%
Durum Wheat	1117	1117	1114	1127	-0.2%	0.9%
Barley	1785	1785	1818	1834	1.8%	2.7%
Corn	1587	1587	1573	1581	-0.9%	-0.4%
Rice	356	356	340	342	-4.4%	-4.0%
Rye	136	136	135	136	-0.5%	0.4%
PULSES	1683	1683	1677	1680	-0.3%	-0.1%
Chickpea	503	503	501	503	-0.3%	0.0%
Drybean	317	317	314	315	-0.8%	-0.5%
Fresh Bean	587	587	586	587	-0.1%	0.0%
Lentil	276	276	275	275	-0.4%	-0.3%
INDUSTRIAL CROPS	2875	2875	2869	2880	-0.2%	0.2%
Tobacco	387	387	441	442	14.1%	14.2%
Sugarbeet	1219	1219	1203	1207	-1.3%	-1.0%
Cotton	1270	1270	1224	1232	-3.6%	-3.0%
OILSEEDS	1506	1506	1404	1413	-6.8%	-6.1%
Sesame	43	43	34	34	-20.1%	-19.7%
Sunflower	1182	1182	1115	1121	-5.7%	-5.2%
Groundnut	210	210	208	208	-1.1%	-0.9%
Soybean	70	70	47	49	-33.9%	-29.8%

Production (Million USD)						
Volume (2014-16 prices) and Value (scenario prices)						
	BASE		SCENARIO		CHANGE	
	VALUE	VOLUME	VALUE	VOLUME	VALUE	VOLUME
TUBERS	2602	2602	2599	2602	-0.1%	0.0%
Onion (Dry)	484	484	484	485	-0.1%	0.0%
Potato	1798	1798	1795	1797	-0.1%	0.0%
Onion (Fresh)	109	109	109	109	0.0%	0.1%
Garlic (Dry)	185	185	185	185	-0.1%	-0.1%
Garlic (Fresh)	26	26	26	26	-0.1%	0.0%
VEGETABLES	3779	3779	3775	3780	-0.1%	0.0%
Melon	539	539	538	539	-0.1%	0.0%
Watermelon	427	427	426	427	-0.2%	0.1%
Cucumber	128	128	128	128	-0.2%	0.1%
Eggplant	113	113	113	113	-0.2%	0.1%
Fresh Tomato	824	824	823	824	-0.1%	0.0%
Processing Tomato	751	751	751	751	-0.1%	0.0%
Green Pepper	185	185	184	185	-0.2%	0.1%
Red Pepper	813	813	812	813	0.0%	0.0%
GREENHOUSE PRODUCTS	5188	5188	5188	5188	0.0%	0.0%
Fresh Bean	80	80	80	80	0.0%	0.0%
Melon	123	123	123	123	0.0%	0.0%
Watermelon	297	297	297	297	0.0%	0.0%
Cucumber	773	773	773	773	0.0%	0.0%
Eggplant	129	129	129	129	0.0%	0.0%
Tomato	3034	3034	3034	3034	0.0%	0.0%
Green Pepper	752	752	752	752	0.0%	0.0%

Production (Million USD)						
Volume (2014-16 prices) and Value (scenario prices)						
	BASE		SCENARIO		CHANGE	
	VALUE	VOLUME	VALUE	VOLUME	VALUE	VOLUME
FRUITS AND NUTS	12478	12478	12421	12724	-0.5%	2.0%
Apple	1226	1226	1218	1233	-0.6%	0.6%
Apricot	521	521	522	527	0.1%	1.1%
Peach	421	421	418	422	-0.7%	0.3%
Table Olive	650	650	638	661	-1.8%	1.8%
Oil Olive	1517	1517	1503	1566	-0.9%	3.3%
Orange	405	405	401	407	-1.0%	0.4%
Grapefruit	47	47	46	47	-0.6%	0.9%
Lemon	323	323	322	325	-0.2%	0.7%
Mandarin	274	274	271	276	-1.0%	0.7%
Pistachio	912	912	891	929	-2.2%	1.9%
Hazelnut	2285	2285	2302	2377	0.7%	4.0%
Fig (Dry)	351	351	352	361	0.3%	2.8%
Fig (Fresh)	86	86	85	86	-0.4%	0.2%
Table Grape	1297	1297	1287	1312	-0.7%	1.2%
Raisin Grape	477	477	486	498	1.9%	4.5%
Tea	806	806	801	809	-0.6%	0.4%
Cherry	721	721	716	725	-0.6%	0.5%
Pomegranate	161	161	160	163	-0.9%	1.0%

Production (Million USD)						
Volume (2014-16 prices) and Value (scenario prices)						
	BASE		SCENARIO		CHANGE	
	VALUE	VOLUME	VALUE	VOLUME	VALUE	VOLUME
LIVESTOCK & POUL.	23041	23041	23034	23042	0.0%	0.0%
MEAT	9017	9017	9015	9018	0.0%	0.0%
Cow Meat	8012	8012	8013	8016	0.0%	0.0%
Sheep Meat	775	775	769	769	-0.7%	-0.7%
Goat Meat	231	231	233	233	1.1%	1.0%
MILK	8642	8642	8639	8643	0.0%	0.0%
Cow Milk	7385	7385	7385	7388	0.0%	0.0%
Sheep Milk	902	902	895	896	-0.8%	-0.7%
Goat Milk	355	355	359	359	1.1%	1.0%
POULTRY	5381	5381	5380	5381	0.0%	0.0%
Poultry Meat	3449	3449	3444	3449	-0.1%	0.0%
Egg	1933	1933	1936	1933	0.2%	0.0%
TOTAL	63285	63285	63070	63500	-0.3%	0.3%

Fiyat Üzerindeki Etkiler

Prof. Dr. Ozan Eruygur

Prices of Selected Products	(USD/Ton)		
Laspeyres Index for Groups			
BASE=100	BASE	SCENARIO	CHANGE (%)
CROP PRODUCTS	100.0	98.9	-1.1%
CEREALS	100.0	99.2	-0.8%
Common Wheat	302	299	-0.9%
Durum Wheat	304	301	-1.1%
Barley	255	253	-0.9%
Corn	254	253	-0.5%
Rice	667	664	-0.4%
Rye	252	250	-0.9%
PULSES	100.0	99.8	-0.2%
Chickpea	1,105	1,101	-0.3%
Drybean	1,388	1,383	-0.3%
Fresh Bean	918	917	-0.1%
Lentil	774	773	-0.1%
INDUSTRIAL CROPS	100.0	99.6	-0.4%
Tobacco	5,457	5,453	-0.1%
Sugarbeet	70	70	-0.3%
Cotton	586	582	-0.6%
OILSEEDS	100.0	97.4	-2.6%
Sesame	2,298	2,286	-0.5%
Sunflower	711	707	-0.5%
Groundnut	1,447	1,444	-0.2%
Soybean	444	418	-5.9%

Prices of Selected Products	(USD/Ton)		
Laspeyres Index for Groups			
BASE=100	BASE	SCENARIO	CHANGE (%)
TUBERS	100.0	99.9	-0.1%
Onion (Dry)	251	251	-0.1%
Potato	394	394	-0.1%
Onion (Fresh)	771	770	-0.1%
Garlic (Dry)	1,885	1,884	-0.1%
Garlic (Fresh)	1,025	1,024	-0.1%
VEGETABLES	100.0	99.9	-0.1%
Melon	270	270	-0.1%
Watermelon	133	133	-0.2%
Cucumber	176	175	-0.3%
Eggplant	210	210	-0.2%
Fresh Tomato	178	178	-0.1%
Processing Tomato	182	182	-0.1%
Green Pepper	219	218	-0.3%
Red Pepper	742	742	-0.1%
GREENHOUSE PRODUCTS	100.0	100.0	0.0%
Fresh Bean	1,744	1,744	0.0%
Melon	741	741	0.0%
Watermelon	424	424	0.0%
Cucumber	717	717	0.0%
Eggplant	442	442	0.0%
Tomato	843	843	0.0%
Green Pepper	1,252	1,252	0.0%

Prices of Selected Products	(USD/Ton)		
Laspeyres Index for Groups			
BASE=100	BASE	SCENARIO	CHANGE (%)
FRUITS AND NUTS	100.0	97.7	-2.3%
Apple	461	456	-1.2%
Apricot	931	921	-1.0%
Peach	656	649	-1.1%
Table Olive	1,537	1,483	-3.5%
Oil Olive	1,158	1,111	-4.0%
Orange	223	220	-1.4%
Grapefruit	191	188	-1.4%
Lemon	416	412	-0.9%
Mandarin	232	228	-1.7%
Pistachio	6,951	6,669	-4.1%
Hazelnut	4,523	4,380	-3.2%
Fig (Dry)	3,403	3,318	-2.5%
Fig (Fresh)	1,096	1,089	-0.6%
Table Grape	643	631	-1.8%
Raisin Grape	1,517	1,480	-2.4%
Tea	613	607	-1.0%
Cherry	1,368	1,352	-1.1%
Pomegranate	369	362	-1.8%

Prices of Selected Products	(USD/Ton)		
Laspeyres Index for Groups			
BASE=100	BASE	SCENARIO	CHANGE (%)
LIVESTOCK & POUL.	100.0	100.0	0.0%
MEAT	100.0	100.0	0.0%
Cow Meat	8,138	8,135	0.0%
Sheep Meat	8,181	8,182	0.0%
Goat Meat	7,519	7,522	0.0%
MILK	100.0	100.0	0.0%
Cow Milk	437	437	0.0%
Sheep Milk	788	787	-0.1%
Goat Milk	758	758	0.1%
POULTRY	100.0	100.0	0.0%
Poultry Meat	1,820	1,817	-0.1%
Egg	1,787	1,790	0.2%
TOTAL	100.0	99.3	-0.7%

Bölgesel Etkiler

Prof. Dr. Ozan Eruygur

Production Changes	CHANGE			
	Coastal	Central	Eastern	GAP
CROP PRODUCTS				
Common Wheat	-1%	0%	0%	3%
Durum Wheat	9%	-3%	0%	4%
Barley	17%	1%	0%	-4%
Corn	-8%	-4%	-1%	17%
Rice	-5%	-4%	0%	34%
Rye	2%	0%	0%	-18%
PULSES				
Chickpea	10%	-3%	0%	-12%
Drybean	35%	-6%	0%	21%
Fresh Bean	0%	0%	0%	33%
Lentil	37%	3%	0%	-1%
INDUSTRIAL CROPS				
Tobacco	22%	0%	0%	-9%
Sugarbeet	10%	-2%	0%	16%
Cotton	-28%	-4%	-1%	15%
OILSEEDS				
Sesame	-22%	-8%	0%	-18%
Sunflower	-8%	-1%	0%	30%
Groundnut	-1%	1%		20%
Soybean	-30%	-27%		-26%

Production Changes	CHANGE			
	Coastal	Central	Eastern	GAP
TUBERS				
Onion (Dry)	6%	-5%	0%	34%
Potato	10%	-3%	-1%	24%
Onion (Fresh)	4%	-8%	-1%	20%
Garlic (Dry)	-2%	-4%	-1%	12%
Garlic (Fresh)	2%	-3%	-1%	0%
VEGETABLES				
Melon	3%	-6%	-1%	10%
Watermelon	-10%	3%	-1%	30%
Cucumber	-3%	-5%	-1%	23%
Eggplant	-4%	-2%	-1%	18%
Fresh Tomato	-4%	0%	0%	31%
Processing Tomato	-3%	6%	0%	33%
Green Pepper	-3%	0%	0%	32%
Red Pepper	-15%	3%	0%	28%
GREENHOUSE PRODUCTS				
Fresh Bean	0%	0%		
Melon	0%			
Watermelon	0%			
Cucumber	0%	0%	0%	0%
Eggplant	0%			0%
Tomato	0%	0%	0%	
Green Pepper	0%	0%		

Production Changes	CHANGE			
	Coastal	Central	Eastern	GAP
FRUITS AND NUTS				
Apple	-1%	2%	-12%	136%
Apricot	-26%	39%	6%	107%
Peach	1%	-3%	-25%	93%
Table Olive	0%	-1%		110%
Oil Olive	-4%	33%		106%
Orange	0%	-27%		
Grapefruit	1%			
Lemon	1%	23%		
Mandarin	1%	-25%		
Pistachio	-27%	-25%	-26%	4%
Hazelnut	9%	-27%	-25%	
Fig (Dry)	3%			
Fig (Fresh)	-13%	-27%	-25%	128%
Table Grape	-28%	23%	-26%	91%
Raisin Grape	-16%	14%	17%	119%
Tea	0%			
Cherry	20%	-29%	-27%	116%
Pomegranate	-14%	-24%	-30%	113%

- ▶ GAP ve İç Anadolu Bölgelerinde Sulanan Alanında %20 Artış
- ▶ %20 Increase in GAP and Central Anatolia's Irrigated Land

SİMÜLASYON 4

Genel Etkiler

Prof. Dr. Ozan Eruygur

	BAZ	SENARYO	DEĞİŞİM
Toplam Artık (Endeks)	100.0	100.3	0.3%
Üretici Artığı	100.0	100.2	0.2%
Tüketici Artığı	100.0	101.4	1.4%
Toplam Üretim			
Hacim ^a	63,285	64,200	1.4%
Değer	63,285	62,984	-0.5%
Bitkisel Üretim			
Hacim ^a	40,244	41,155	2.3%
Değer	40,244	39,951	-0.7%
Hayvansal Üretim			
Hacim ^a	23,041	23,045	0.0%
Değer	23,041	23,033	0.0%
Toplam Tüketim			
Hacim ^a	54,198	54,639	0.8%
Değer	54,198	53,769	-0.8%
Bitkisel Tüketim			
Hacim ^a	32,473	32,905	1.3%
Değer	32,473	32,046	-1.3%
Hayvansal Tüketim			
Hacim ^a	21,725	21,734	0.0%
Değer	21,725	21,723	0.0%
Net İhracat	8,765	9,324	6.4%
Bitkisel Ürünler	7,311	7,838	7.2%
Hayvansal Ürünler	1,455	1,486	2.1%
Fiyat Endeksi (Laspeyres)	100.0	98.4	-1.6%
Bitkisel Ürünler	100.0	97.4	-2.6%
Hayvansal Ürünler	100.0	99.9	-0.1%

Dış Ticaret Etkileri

Prof. Dr. Ozan Eruygur

Net Exports (Million USD)						
	BASE			SCENARIO		
	EU	ROW	TOTAL	EU	ROW	TOTAL
CROP PRODUCTS	5394	1917	7311	5898	1940	7838
CEREALS	-173	737	564	-97	742	645
Common Wheat	-61	667	605	0	676	676
Durum Wheat	-6	237	231	0	242	242
Barley	-15	-21	-36	0	-22	-22
Corn	-58	-74	-132	-61	-75	-137
Rice	-32	-71	-104	-36	-79	-114
Rye	0	0	0	0	0	0
PULSES	18	-63	-44	18	-66	-47
Chickpea	13	-13	0	14	-14	0
Drybean	2	-36	-33	2	-37	-35
Freash Bean	0	3	2	0	3	
Lentil	3	-16	-14	3	-17	-14
INDUSTRIAL CROPS	1085	-12	1073	1146	-42	1104
Tobacco	-54	395	341	0	396	396
Sugarbeet	-4	-42	-45	-4	-45	-49
Cotton	1142	-365	777	1149	-392	757
OILSEEDS	-116	-1528	-1644	-105	-1616	-1721
Sesame	10	-197	-187	10	-204	-194
Sunflower	-104	-280	-384	-115	-309	-423
Groundnut	0	-20	-20	0	-21	-21
Soybean	-22	-1032	-1054	0	-1082	-1082

Net Exports (Million USD)						
	BASE			SCENARIO		
	EU	ROW	TOTAL	EU	ROW	TOTAL
TUBERS	-8	64	56	-8.7	64.3	56
Onion (Dry)	3	21	24	3	21	24
Potato	-15	28	13	-16	28	12
Onion (Fresh)	4	20	24	4	20	
Garlic (Dry)	0	-4	-4	0	-4	
Garlic (Fresh)	0	0	0	0	0	
VEGETABLES	154	263	417	154	264	418
Melon	3	1	4	3	1	4
Watermelon	5	0	5	5	0	5
Cucumber	3	2	5	3	2	5
Eggplant	1	1	1	1	1	1
Fresh Tomato	50	57	108	50	57	108
Processing Tomato	41	169	210	41	169	210
Green Pepper	16	3	19	16	3	19
Red Pepper	35	30	66	35	31	66
GREENHOUSE PRODUCTS	437	584	1021	442	589	1031
Fresh Bean	0	1	1	0	1	1
Melon	0	0	1	0	0	1
Watermelon	2	0	2	2	0	2
Cucumber	44	43	88	45	44	88
Eggplant	5	6	12	5	7	12
Tomato	287	501	788	290	506	795
Green Pepper	99	31	130	100	32	132

Net Exports (Million USD)						
	BASE			SCENARIO		
	EU	ROW	TOTAL	EU	ROW	TOTAL
FRUITS AND NUTS	3997	1871	5868	4349	2003	6352
Apple	344	102	446	365	112	476
Apricot	281	203	484	297	222	519
Peach	0	30	29	0	31	31
Table Olive	6	5	11	6	5	11
Oil Olive	39	150	189	41	163	204
Orange	10	128	138	10	132	142
Grapefruit	42	38	80	44	39	83
Lemon	77	189	266	80	195	275
Mandarin	18	100	117	18	104	122
Pistachio	36	27	62	38	28	67
Hazelnut	2472	418	2890	2720	455	3175
Fig (Dry)	139	109	248	153	115	268
Fig (Fresh)	0	0	0	0	0	
Table Grape	42	117	159	47	129	176
Raisin Grape	307	149	456	341	155	496
Tea	12	-6	7	12	0	12
Cherry	136	60	196	140	64	204
Pomegranate	36	53	89	37	55	92

Net Exports (Million USD)						
	BASE			SCENARIO		
	EU	ROW	TOTAL	EU	ROW	TOTAL
LIVESTOCK & POUL.	-32	1486	1455	-35	1520	1486
MEAT	-11	42	31	-12	36	24
Cow Meat	-11	36	25	-12	36	24
Sheep Meat	0	6	6	0	0	0
Goat Meat	0	0	0	0	0	0
MILK	-19	590	570	-20	629	609
Cow Milk	-18	544	526	-19	584	564
Sheep Milk	-1	27	26	-1	27	26
Goat Milk	0	18	18	0	19	18
POULTRY	-2	855	853	-2	855	853
Poultry Meat	0	415	415	0	415	415
Egg	-2	440	438	-2	440	438
TOTAL	5362	3403	8765	5864	3460	9324

Tarımsal Üretim Üzerindeki Etkiler

Prof. Dr. Ozan Eruygur

Production (Million USD)						
Volume (2014-16 prices) and Value (scenario prices)						
	BASE		SCENARIO		CHANGE	
	VALUE	VOLUME	VALUE	VOLUME	VALUE	VOLUME
CROP PRODUCTS	40244	40244	39951	41155	-0.7%	2.3%
CEREALS	10133	10133	10280	10440	1.4%	3.0%
Common Wheat	5152	5152	5301	5386	2.9%	4.5%
Durum Wheat	1117	1117	1132	1154	1.4%	3.4%
Barley	1785	1785	1802	1835	0.9%	2.8%
Corn	1587	1587	1570	1585	-1.1%	-0.1%
Rice	356	356	341	343	-4.4%	-3.7%
Rye	136	136	134	136	-1.1%	0.4%
PULSES	1683	1683	1674	1682	-0.5%	0.0%
Chickpea	503	503	500	503	-0.5%	0.1%
Drybean	317	317	313	316	-1.2%	-0.3%
Fresh Bean	587	587	586	587	-0.1%	0.0%
Lentil	276	276	274	275	-0.6%	-0.2%
INDUSTRIAL CROPS	2875	2875	2865	2888	-0.3%	0.4%
Tobacco	387	387	441	442	14.1%	14.3%
Sugarbeet	1219	1219	1199	1209	-1.6%	-0.8%
Cotton	1270	1270	1225	1237	-3.5%	-2.6%
OILSEEDS	1506	1506	1406	1421	-6.6%	-5.6%
Sesame	43	43	34	35	-19.4%	-18.7%
Sunflower	1182	1182	1118	1129	-5.5%	-4.6%
Groundnut	210	210	208	209	-1.1%	-0.7%
Soybean	70	70	47	49	-33.9%	-29.8%

Production (Million USD)						
Volume (2014-16 prices) and Value (scenario prices)						
	BASE		SCENARIO		CHANGE	
	VALUE	VOLUME	VALUE	VOLUME	VALUE	VOLUME
TUBERS	2602	2602	2597	2603	-0.2%	0.0%
Onion (Dry)	484	484	483	485	-0.2%	0.1%
Potato	1798	1798	1794	1798	-0.2%	0.0%
Onion (Fresh)	109	109	109	109	-0.1%	0.1%
Garlic (Dry)	185	185	185	185	-0.2%	-0.1%
Garlic (Fresh)	26	26	26	26	-0.2%	0.0%
VEGETABLES	3779	3779	3772	3781	-0.2%	0.1%
Melon	539	539	538	539	-0.2%	0.0%
Watermelon	427	427	426	427	-0.3%	0.1%
Cucumber	128	128	128	128	-0.4%	0.2%
Eggplant	113	113	113	113	-0.3%	0.1%
Fresh Tomato	824	824	822	824	-0.2%	0.1%
Processing Tomato	751	751	750	751	-0.1%	0.1%
Green Pepper	185	185	184	185	-0.3%	0.1%
Red Pepper	813	813	812	813	-0.1%	0.0%
GREENHOUSE PRODUCTS	5188	5188	5180	5217	-0.2%	0.5%
Fresh Bean	80	80	80	81	-0.4%	0.6%
Melon	123	123	122	124	-0.7%	1.0%
Watermelon	297	297	295	301	-0.8%	1.3%
Cucumber	773	773	771	776	-0.2%	0.5%
Eggplant	129	129	128	130	-0.5%	1.0%
Tomato	3034	3034	3032	3049	-0.1%	0.5%
Green Pepper	752	752	752	756	-0.1%	0.5%

Production (Million USD)						
Volume (2014-16 prices) and Value (scenario prices)						
	BASE		SCENARIO		CHANGE	
	VALUE	VOLUME	VALUE	VOLUME	VALUE	VOLUME
FRUITS AND NUTS	12478	12478	12176	13124	-2.4%	5.2%
Apple	1226	1226	1193	1257	-2.7%	2.6%
Apricot	521	521	518	550	-0.6%	5.4%
Peach	421	421	412	425	-2.2%	0.9%
Table Olive	650	650	615	682	-5.4%	4.9%
Oil Olive	1517	1517	1468	1651	-3.2%	8.8%
Orange	405	405	394	410	-2.7%	1.2%
Grapefruit	47	47	46	48	-1.6%	2.4%
Lemon	323	323	321	329	-0.6%	2.0%
Mandarin	274	274	266	279	-2.9%	1.9%
Pistachio	912	912	864	945	-5.3%	3.7%
Hazelnut	2285	2285	2263	2488	-0.9%	8.9%
Fig (Dry)	351	351	346	372	-1.6%	5.7%
Fig (Fresh)	86	86	85	86	-1.2%	0.5%
Table Grape	1297	1297	1249	1357	-3.7%	4.7%
Raisin Grape	477	477	468	518	-1.9%	8.6%
Tea	806	806	808	831	0.3%	3.1%
Cherry	721	721	707	732	-1.9%	1.6%
Pomegranate	161	161	156	164	-3.0%	2.2%

Production (Million USD)						
Volume (2014-16 prices) and Value (scenario prices)						
	BASE		SCENARIO		CHANGE	
	VALUE	VOLUME	VALUE	VOLUME	VALUE	VOLUME
LIVESTOCK & POUL.	23041	23041	23033	23045	0.0%	0.0%
MEAT	9017	9017	9015	9019	0.0%	0.0%
Cow Meat	8012	8012	8013	8017	0.0%	0.1%
Sheep Meat	775	775	769	769	-0.7%	-0.7%
Goat Meat	231	231	233	233	1.1%	1.0%
MILK	8642	8642	8639	8644	0.0%	0.0%
Cow Milk	7385	7385	7385	7389	0.0%	0.1%
Sheep Milk	902	902	895	896	-0.8%	-0.7%
Goat Milk	355	355	359	359	1.1%	1.0%
POULTRY	5381	5381	5380	5381	0.0%	0.0%
Poultry Meat	3449	3449	3444	3449	-0.1%	0.0%
Egg	1933	1933	1936	1933	0.2%	0.0%
TOTAL	63285	63285	62984	64200	-0.5%	1.4%

Fiyat Üzerindeki Etkiler

Prof. Dr. Ozan Eruygur

Prices of Selected Products	(USD/Ton)		
Laspeyres Index for Groups			
BASE=100	BASE	SCENARIO	CHANGE (%)
CROP PRODUCTS	100.0	97.4	-2.6%
CEREALS	100.0	98.6	-1.4%
Common Wheat	302	297	-1.6%
Durum Wheat	304	298	-2.0%
Barley	255	250	-1.8%
Corn	254	252	-1.0%
Rice	667	662	-0.7%
Rye	252	248	-1.4%
PULSES	100.0	99.5	-0.5%
Chickpea	1,105	1,098	-0.6%
Drybean	1,388	1,376	-0.8%
Fresh Bean	918	916	-0.2%
Lentil	774	771	-0.4%
INDUSTRIAL CROPS	100.0	99.2	-0.8%
Tobacco	5,457	5,447	-0.2%
Sugarbeet	70	69	-0.8%
Cotton	586	581	-0.9%
OILSEEDS	100.0	97.2	-2.8%
Sesame	2,298	2,280	-0.8%
Sunflower	711	704	-1.0%
Groundnut	1,447	1,441	-0.4%
Soybean	444	418	-5.9%

Prices of Selected Products	(USD/Ton)		
Laspeyres Index for Groups			
BASE=100	BASE	SCENARIO	CHANGE (%)
TUBERS	100.0	99.8	-0.2%
Onion (Dry)	251	250	-0.3%
Potato	394	393	-0.2%
Onion (Fresh)	771	769	-0.2%
Garlic (Dry)	1,885	1,882	-0.1%
Garlic (Fresh)	1,025	1,023	-0.2%
VEGETABLES	100.0	99.8	-0.2%
Melon	270	269	-0.2%
Watermelon	133	132	-0.4%
Cucumber	176	175	-0.6%
Eggplant	210	209	-0.4%
Fresh Tomato	178	178	-0.2%
Processing Tomato	182	182	-0.2%
Green Pepper	219	218	-0.5%
Red Pepper	742	741	-0.1%
GREENHOUSE PRODUCTS	100.0	99.3	-0.7%
Fresh Bean	1,744	1,726	-1.0%
Melon	741	729	-1.7%
Watermelon	424	415	-2.1%
Cucumber	717	713	-0.6%
Eggplant	442	435	-1.5%
Tomato	843	838	-0.5%
Green Pepper	1,252	1,245	-0.6%

Prices of Selected Products	(USD/Ton)		
Laspeyres Index for Groups			
BASE=100	BASE	SCENARIO	CHANGE (%)
FRUITS AND NUTS	100.0	93.1	-6.9%
Apple	461	437	-5.1%
Apricot	931	877	-5.8%
Peach	656	636	-3.1%
Table Olive	1,537	1,386	-9.8%
Oil Olive	1,158	1,030	-11.1%
Orange	223	214	-3.9%
Grapefruit	191	184	-3.9%
Lemon	416	405	-2.6%
Mandarin	232	221	-4.7%
Pistachio	6,951	6,351	-8.6%
Hazelnut	4,523	4,114	-9.0%
Fig (Dry)	3,403	3,167	-6.9%
Fig (Fresh)	1,096	1,078	-1.6%
Table Grape	643	592	-8.0%
Raisin Grape	1,517	1,370	-9.7%
Tea	613	596	-2.7%
Cherry	1,368	1,321	-3.5%
Pomegranate	369	350	-5.0%

Prices of Selected Products	(USD/Ton)		
Laspeyres Index for Groups			
BASE=100	BASE	SCENARIO	CHANGE (%)
LIVESTOCK & POUL.	100.0	99.9	-0.1%
MEAT	100.0	100.0	0.0%
Cow Meat	8,138	8,134	-0.1%
Sheep Meat	8,181	8,177	-0.1%
Goat Meat	7,519	7,527	0.1%
MILK	100.0	99.9	-0.1%
Cow Milk	437	437	-0.1%
Sheep Milk	788	787	-0.2%
Goat Milk	758	759	0.1%
POULTRY	100.0	100.0	0.0%
Poultry Meat	1,820	1,817	-0.1%
Egg	1,787	1,790	0.2%
TOTAL	100.0	98.4	-1.6%

Bölgesel Etkiler

Prof. Dr. Ozan Eruygur

Production Changes	CHANGE			
	Coastal	Central	Eastern	GAP
CROP PRODUCTS				
Common Wheat	3%	7%	0%	4%
Durum Wheat	17%	3%	0%	0%
Barley	18%	1%	0%	-5%
Corn	-14%	20%	-1%	13%
Rice	-7%	21%	-1%	44%
Rye	8%	-4%	0%	-18%
PULSES				
Chickpea	17%	-6%	0%	-15%
Drybean	19%	-3%	-1%	-7%
Fresh Bean	-9%	25%	-1%	38%
Lentil	52%	0%	0%	-1%
INDUSTRIAL CROPS				
Tobacco	24%	-7%	-1%	-15%
Sugarbeet	-27%	1%	-1%	-26%
Cotton	-29%	25%	-1%	16%
OILSEEDS				
Sesame	-20%	-12%	-1%	-18%
Sunflower	-17%	17%	-1%	37%
Groundnut	-1%	29%		17%
Soybean	-30%	-27%		-26%

Production Changes				
	CHANGE			
	Coastal	Central	Eastern	GAP
TUBERS				
Onion (Dry)	-21%	9%	-1%	33%
Potato	-26%	8%	-1%	5%
Onion (Fresh)	-10%	9%	-1%	12%
Garlic (Dry)	-14%	17%	-1%	-3%
Garlic (Fresh)	0%	24%	-1%	-18%
VEGETABLES				
Melon	-3%	3%	-1%	0%
Watermelon	-20%	31%	-1%	35%
Cucumber	-16%	15%	-1%	19%
Eggplant	-9%	26%	-1%	13%
Fresh Tomato	-18%	25%	-1%	34%
Processing Tomato	-6%	39%	-1%	41%
Green Pepper	-13%	27%	-1%	37%
Red Pepper	-19%	29%	0%	34%
GREENHOUSE PRODUCTS				
Fresh Bean	0%	200%		
Melon	1%			
Watermelon	1%			
Cucumber	-8%	101%	15%	-28%
Eggplant	1%			138%
Tomato	2%	-27%	-30%	
Green Pepper	0%	200%		

Production Changes	CHANGE			
	Coastal	Central	Eastern	GAP
	FRUITS AND NUTS			
Apple	-28%	41%	-26%	169%
Apricot	-28%	124%	-2%	-28%
Peach	-18%	192%	-25%	121%
Table Olive	-2%	200%		180%
Oil Olive	-3%	200%		173%
Orange	1%	64%		
Grapefruit	2%			
Lemon	2%	200%		
Mandarin	2%	112%		
Pistachio	-27%	-25%	-26%	6%
Hazelnut	15%	-27%	-25%	
Fig (Dry)	6%			
Fig (Fresh)	-20%	-27%	-25%	200%
Table Grape	-28%	141%	-26%	-19%
Raisin Grape	-28%	141%	121%	126%
Tea	3%			
Cherry	21%	-29%	-27%	179%
Pomegranate	-28%	156%	-30%	193%

- ▶ Pamuk Fark Ödemelerinde %20 Azalma
- ▶ %20 Decline in Cotton Deficiency Payments

SİMÜLASYON 5

Genel Etkiler

Prof. Dr. Ozan Eruygur

	BAZ	SENARYO	DEĞİŞİM
Toplam Artık (Endeks)	100.0	100.0	0.0%
Üretici Artığı	100.0	100.0	0.0%
Tüketici Artığı	100.0	100.1	0.1%
Toplam Üretim			
Hacim ^a	63,285	63,030	-0.4%
Değer	63,285	63,057	-0.4%
Bitkisel Üretim			
Hacim ^a	40,244	39,988	-0.6%
Değer	40,244	40,024	-0.5%
Hayvansal Üretim			
Hacim ^a	23,041	23,042	0.0%
Değer	23,041	23,034	0.0%
Toplam Tüketim			
Hacim ^a	54,198	54,181	0.0%
Değer	54,198	54,123	-0.1%
Bitkisel Tüketim			
Hacim ^a	32,473	32,450	-0.1%
Değer	32,473	32,399	-0.2%
Hayvansal Tüketim			
Hacim ^a	21,725	21,731	0.0%
Değer	21,725	21,724	0.0%
Net İhracat	8,765	8,627	-1.6%
Bitkisel Ürünler	7,311	7,142	-2.3%
Hayvansal Ürünler	1,455	1,485	2.1%
Fiyat Endeksi (Laspeyres)	100.0	99.9	-0.1%
Bitkisel Ürünler	100.0	99.9	-0.1%
Hayvansal Ürünler	100.0	100.0	0.0%

Dış Ticaret Etkileri

Prof. Dr. Ozan Eryugur

Net Exports (Million USD)						
	BASE			SCENARIO		
	EU	ROW	TOTAL	EU	ROW	TOTAL
CROP PRODUCTS	5394	1917	7311	5350	1792	7142
CEREALS	-173	737	564	-189	734	545
Common Wheat	-61	667	605	-69	671	601
Durum Wheat	-6	237	231	-7	239	232
Barley	-15	-21	-36	-16	-22	-38
Corn	-58	-74	-132	-61	-75	-137
Rice	-32	-71	-104	-36	-79	-114
Rye	0	0	0	0	0	0
PULSES	18	-63	-44	18	-66	-47
Chickpea	13	-13	0	13	-14	0
Drybean	2	-36	-33	2	-37	-35
Freash Bean	0	3	2	0	3	
Lentil	3	-16	-14	3	-17	-14
INDUSTRIAL CROPS	1085	-12	1073	1046	-42	1004
Tobacco	-54	395	341	0	395	395
Sugarbeet	-4	-42	-45	-4	-45	-49
Cotton	1142	-365	777	1050	-392	658
OILSEEDS	-116	-1528	-1644	-105	-1615	-1721
Sesame	10	-197	-187	10	-204	-194
Sunflower	-104	-280	-384	-115	-309	-423
Groundnut	0	-20	-20	0	-21	-21
Soybean	-22	-1032	-1054	0	-1082	-1082

Net Exports (Million USD)						
	BASE			SCENARIO		
	EU	ROW	TOTAL	EU	ROW	TOTAL
TUBERS	-8	64	56	-8.7	64.1	55
Onion (Dry)	3	21	24	3	21	24
Potato	-15	28	13	-16	28	12
Onion (Fresh)	4	20	24	4	20	
Garlic (Dry)	0	-4	-4	0	-4	
Garlic (Fresh)	0	0	0	0	0	
VEGETABLES	154	263	417	154	264	417
Melon	3	1	4	3	1	4
Watermelon	5	0	5	5	0	5
Cucumber	3	2	5	3	2	5
Eggplant	1	1	1	1	1	1
Fresh Tomato	50	57	108	50	57	108
Processing Tomato	41	169	210	41	169	210
Green Pepper	16	3	19	16	3	19
Red Pepper	35	30	66	35	31	66
GREENHOUSE PRODUCTS	437	584	1021	437	584	1021
Fresh Bean	0	1	1	0	1	1
Melon	0	0	1	0	0	1
Watermelon	2	0	2	2	0	2
Cucumber	44	43	88	44	43	88
Eggplant	5	6	12	5	6	12
Tomato	287	501	788	287	501	788
Green Pepper	99	31	130	99	31	130

Net Exports (Million USD)						
	BASE			SCENARIO		
	EU	ROW	TOTAL	EU	ROW	TOTAL
FRUITS AND NUTS	3997	1871	5868	3997	1871	5868
Apple	344	102	446	344	102	446
Apricot	281	203	484	281	203	484
Peach	0	30	29	0	30	29
Table Olive	6	5	11	6	5	11
Oil Olive	39	150	189	39	150	189
Orange	10	128	138	10	128	138
Grapefruit	42	38	80	42	38	80
Lemon	77	189	266	77	189	266
Mandarin	18	100	117	18	100	117
Pistachio	36	27	62	36	27	62
Hazelnut	2472	418	2890	2473	418	2891
Fig (Dry)	139	109	248	139	109	248
Fig (Fresh)	0	0	0	0	0	
Table Grape	42	117	159	42	117	159
Raisin Grape	307	149	456	307	149	456
Tea	12	-6	7	12	-6	6
Cherry	136	60	196	136	60	196
Pomegranate	36	53	89	36	53	89

Net Exports (Million USD)						
	BASE			SCENARIO		
	EU	ROW	TOTAL	EU	ROW	TOTAL
LIVESTOCK & POUL.	-32	1486	1455	-35	1520	1485
MEAT	-11	42	31	-12	36	24
Cow Meat	-11	36	25	-12	36	24
Sheep Meat	0	6	6	0	0	0
Goat Meat	0	0	0	0	0	0
MILK	-19	590	570	-20	629	609
Cow Milk	-18	544	526	-19	583	564
Sheep Milk	-1	27	26	-1	27	26
Goat Milk	0	18	18	0	19	18
POULTRY	-2	855	853	-2	855	853
Poultry Meat	0	415	415	0	415	415
Egg	-2	440	438	-2	440	438
TOTAL	5362	3403	8765	5315	3312	8627

Tarımsal Üretim Üzerindeki Etkiler

Prof. Dr. Ozan Eruygur

Production (Million USD)						
Volume (2014-16 prices) and Value (scenario prices)						
	BASE		SCENARIO		CHANGE	
	VALUE	VOLUME	VALUE	VOLUME	VALUE	VOLUME
CROP PRODUCTS	40244	40244	40024	39988	-0.5%	-0.6%
CEREALS	10133	10133	10098	10164	-0.3%	0.3%
Common Wheat	5152	5152	5136	5172	-0.3%	0.4%
Durum Wheat	1117	1117	1115	1123	-0.2%	0.6%
Barley	1785	1785	1794	1808	0.5%	1.3%
Corn	1587	1587	1577	1583	-0.7%	-0.3%
Rice	356	356	340	341	-4.4%	-4.1%
Rye	136	136	137	137	0.6%	1.3%
PULSES	1683	1683	1677	1680	-0.3%	-0.1%
Chickpea	503	503	501	503	-0.3%	0.0%
Drybean	317	317	314	315	-0.8%	-0.5%
Fresh Bean	587	587	587	587	-0.1%	0.0%
Lentil	276	276	275	275	-0.5%	-0.3%
INDUSTRIAL CROPS	2875	2875	2804	2685	-2.5%	-6.6%
Tobacco	387	387	441	442	14.1%	14.2%
Sugarbeet	1219	1219	1204	1206	-1.2%	-1.0%
Cotton	1270	1270	1159	1037	-8.7%	-18.3%
OILSEEDS	1506	1506	1403	1411	-6.8%	-6.3%
Sesame	43	43	34	34	-20.3%	-19.9%
Sunflower	1182	1182	1115	1119	-5.7%	-5.3%
Groundnut	210	210	208	208	-1.1%	-0.9%
Soybean	70	70	47	49	-33.9%	-29.8%

Production (Million USD)						
Volume (2014-16 prices) and Value (scenario prices)						
	BASE		SCENARIO		CHANGE	
	VALUE	VOLUME	VALUE	VOLUME	VALUE	VOLUME
TUBERS	2602	2602	2600	2602	-0.1%	0.0%
Onion (Dry)	484	484	484	485	-0.1%	0.0%
Potato	1798	1798	1796	1797	-0.1%	0.0%
Onion (Fresh)	109	109	109	109	0.0%	0.0%
Garlic (Dry)	185	185	185	185	-0.1%	-0.1%
Garlic (Fresh)	26	26	26	26	-0.1%	0.0%
VEGETABLES	3779	3779	3776	3780	-0.1%	0.0%
Melon	539	539	538	539	-0.1%	0.0%
Watermelon	427	427	426	427	-0.1%	0.0%
Cucumber	128	128	128	128	-0.1%	0.1%
Eggplant	113	113	113	113	-0.1%	0.0%
Fresh Tomato	824	824	823	824	-0.1%	0.0%
Processing Tomato	751	751	751	751	0.0%	0.0%
Green Pepper	185	185	184	185	-0.1%	0.1%
Red Pepper	813	813	812	813	0.0%	0.0%
GREENHOUSE PRODUCTS	5188	5188	5188	5188	0.0%	0.0%
Fresh Bean	80	80	80	80	0.0%	0.0%
Melon	123	123	123	123	0.0%	0.0%
Watermelon	297	297	297	297	0.0%	0.0%
Cucumber	773	773	773	773	0.0%	0.0%
Eggplant	129	129	129	129	0.0%	0.0%
Tomato	3034	3034	3034	3034	0.0%	0.0%
Green Pepper	752	752	752	752	0.0%	0.0%

Production (Million USD)						
Volume (2014-16 prices) and Value (scenario prices)						
	BASE		SCENARIO		CHANGE	
	VALUE	VOLUME	VALUE	VOLUME	VALUE	VOLUME
FRUITS AND NUTS	12478	12478	12477	12477	0.0%	0.0%
Apple	1226	1226	1226	1226	0.0%	0.0%
Apricot	521	521	521	521	0.0%	0.0%
Peach	421	421	421	421	0.0%	0.0%
Table Olive	650	650	650	650	0.0%	0.0%
Oil Olive	1517	1517	1517	1517	0.0%	0.0%
Orange	405	405	405	405	0.0%	0.0%
Grapefruit	47	47	47	47	0.0%	0.0%
Lemon	323	323	323	323	0.0%	0.0%
Mandarin	274	274	274	274	0.0%	0.0%
Pistachio	912	912	912	912	0.0%	0.0%
Hazelnut	2285	2285	2285	2285	0.0%	0.0%
Fig (Dry)	351	351	351	351	0.0%	0.0%
Fig (Fresh)	86	86	86	86	0.0%	0.0%
Table Grape	1297	1297	1297	1297	0.0%	0.0%
Raisin Grape	477	477	477	477	0.0%	0.0%
Tea	806	806	805	805	-0.1%	-0.1%
Cherry	721	721	721	721	0.0%	0.0%
Pomegranate	161	161	161	161	0.0%	0.0%

Production (Million USD)						
Volume (2014-16 prices) and Value (scenario prices)						
	BASE		SCENARIO		CHANGE	
	VALUE	VOLUME	VALUE	VOLUME	VALUE	VOLUME
LIVESTOCK & POUL.	23041	23041	23034	23042	0.0%	0.0%
MEAT	9017	9017	9015	9018	0.0%	0.0%
Cow Meat	8012	8012	8013	8016	0.0%	0.0%
Sheep Meat	775	775	769	769	-0.7%	-0.7%
Goat Meat	231	231	233	233	1.1%	1.0%
MILK	8642	8642	8639	8643	0.0%	0.0%
Cow Milk	7385	7385	7385	7388	0.0%	0.0%
Sheep Milk	902	902	895	896	-0.8%	-0.7%
Goat Milk	355	355	359	359	1.1%	1.0%
POULTRY	5381	5381	5380	5381	0.0%	0.0%
Poultry Meat	3449	3449	3444	3449	-0.1%	0.0%
Egg	1933	1933	1936	1933	0.2%	0.0%
TOTAL	63285	63285	63057	63030	-0.4%	-0.4%

Fiyat Üzerindeki Etkiler

Prof. Dr. Ozan Eruygur

Prices of Selected Products	(USD/Ton)		
Laspeyres Index for Groups			
BASE=100	BASE	SCENARIO	CHANGE (%)
CROP PRODUCTS	100.0	99.9	-0.1%
CEREALS	100.0	99.4	-0.6%
Common Wheat	302	300	-0.7%
Durum Wheat	304	302	-0.8%
Barley	255	253	-0.8%
Corn	254	253	-0.4%
Rice	667	665	-0.3%
Rye	252	250	-0.6%
PULSES	100.0	99.8	-0.2%
Chickpea	1,105	1,102	-0.3%
Drybean	1,388	1,384	-0.3%
Fresh Bean	918	917	-0.1%
Lentil	774	772	-0.3%
INDUSTRIAL CROPS	100.0	104.0	4.0%
Tobacco	5,457	5,454	-0.1%
Sugarbeet	70	70	-0.2%
Cotton	586	655	11.7%
OILSEEDS	100.0	97.5	-2.5%
Sesame	2,298	2,288	-0.4%
Sunflower	711	708	-0.4%
Groundnut	1,447	1,445	-0.2%
Soybean	444	418	-5.9%

Prices of Selected Products	(USD/Ton)		
Laspeyres Index for Groups			
BASE=100	BASE	SCENARIO	CHANGE (%)
TUBERS	100.0	99.9	-0.1%
Onion (Dry)	251	251	-0.1%
Potato	394	394	-0.1%
Onion (Fresh)	771	770	-0.1%
Garlic (Dry)	1,885	1,884	-0.1%
Garlic (Fresh)	1,025	1,024	-0.1%
VEGETABLES	100.0	99.9	-0.1%
Melon	270	270	-0.1%
Watermelon	133	133	-0.2%
Cucumber	176	176	-0.2%
Eggplant	210	210	-0.2%
Fresh Tomato	178	178	-0.1%
Processing Tomato	182	182	-0.1%
Green Pepper	219	219	-0.2%
Red Pepper	742	742	0.0%
GREENHOUSE PRODUCTS	100.0	100.0	0.0%
Fresh Bean	1,744	1,744	0.0%
Melon	741	741	0.0%
Watermelon	424	424	0.0%
Cucumber	717	717	0.0%
Eggplant	442	442	0.0%
Tomato	843	843	0.0%
Green Pepper	1,252	1,252	0.0%

Prices of Selected Products	(USD/Ton)		
Laspeyres Index for Groups			
BASE=100	BASE	SCENARIO	CHANGE (%)
FRUITS AND NUTS	100.0	100.0	0.0%
Apple	461	461	0.0%
Apricot	931	931	0.0%
Peach	656	656	0.0%
Table Olive	1,537	1,537	0.0%
Oil Olive	1,158	1,158	0.0%
Orange	223	223	0.0%
Grapefruit	191	191	0.0%
Lemon	416	416	0.0%
Mandarin	232	232	0.0%
Pistachio	6,951	6,951	0.0%
Hazelnut	4,523	4,523	0.0%
Fig (Dry)	3,403	3,403	0.0%
Fig (Fresh)	1,096	1,096	0.0%
Table Grape	643	643	0.0%
Raisin Grape	1,517	1,517	0.0%
Tea	613	613	0.0%
Cherry	1,368	1,368	0.0%
Pomegranate	369	369	0.0%

Prices of Selected Products	(USD/Ton)		
Laspeyres Index for Groups			
BASE=100	BASE	SCENARIO	CHANGE (%)
LIVESTOCK & POUL.	100.0	100.0	0.0%
MEAT	100.0	100.0	0.0%
Cow Meat	8,138	8,135	0.0%
Sheep Meat	8,181	8,183	0.0%
Goat Meat	7,519	7,521	0.0%
MILK	100.0	100.0	0.0%
Cow Milk	437	437	0.0%
Sheep Milk	788	787	-0.1%
Goat Milk	758	758	0.0%
POULTRY	100.0	100.0	0.0%
Poultry Meat	1,820	1,817	-0.1%
Egg	1,787	1,790	0.2%
TOTAL	100.0	99.9	-0.1%

Bölgesel Etkiler

Prof. Dr. Ozan Eruygur

Production Changes	CHANGE			
	Coastal	Central	Eastern	GAP
CROP PRODUCTS				
Common Wheat	0%	1%	0%	1%
Durum Wheat	11%	-1%	0%	0%
Barley	8%	0%	0%	2%
Corn	-1%	-1%	0%	2%
Rice	-4%	-3%	0%	13%
Rye	3%	0%	0%	-2%
PULSES				
Chickpea	6%	-2%	0%	-4%
Drybean	25%	-4%	0%	2%
Fresh Bean	0%	0%	0%	10%
Lentil	15%	-1%	0%	-1%
INDUSTRIAL CROPS				
Tobacco	20%	0%	0%	2%
Sugarbeet	6%	-2%	0%	-2%
Cotton	-29%	-8%	-1%	-11%
OILSEEDS				
Sesame	-22%	-7%	0%	-8%
Sunflower	-8%	-2%	0%	10%
Groundnut	-1%	1%		1%
Soybean	-30%	-26%		-24%

Production Changes				
	CHANGE			
	Coastal	Central	Eastern	GAP
TUBERS				
Onion (Dry)	5%	-3%	0%	12%
Potato	7%	-2%	0%	3%
Onion (Fresh)	5%	-6%	0%	4%
Garlic (Dry)	3%	-2%	0%	-3%
Garlic (Fresh)	8%	-1%	-1%	-8%
VEGETABLES				
Melon	4%	-4%	-1%	-3%
Watermelon	-4%	3%	0%	10%
Cucumber	1%	-3%	-1%	5%
Eggplant	0%	-1%	0%	1%
Fresh Tomato	-2%	1%	0%	10%
Processing Tomato	-1%	5%	0%	11%
Green Pepper	-1%	0%	0%	11%
Red Pepper	-5%	4%	0%	9%
GREENHOUSE PRODUCTS				
Fresh Bean	0%	0%		
Melon	0%			
Watermelon	0%			
Cucumber	0%	0%	0%	0%
Eggplant	0%			0%
Tomato	0%	0%	0%	
Green Pepper	0%	0%		

Production Changes				
	CHANGE			
	Coastal	Central	Eastern	GAP
FRUITS AND NUTS				
Apple	0%	0%	0%	0%
Apricot	0%	0%	0%	0%
Peach	0%	0%	0%	0%
Table Olive	0%	0%		0%
Oil Olive	0%	0%		0%
Orange	0%	0%		
Grapefruit	0%			
Lemon	0%	0%		
Mandarin	0%	0%		
Pistachio	0%	0%	0%	0%
Hazelnut	0%	0%	0%	
Fig (Dry)	0%			
Fig (Fresh)	0%	0%	-1%	0%
Table Grape	0%	0%	0%	0%
Raisin Grape	0%	0%	0%	0%
Tea	0%			
Cherry	0%	0%	0%	0%
Pomegranate	0%	0%	0%	0%

- ▶ **GSYH'de Net %9 Artış (5 Yıl Sonra)**
- ▶ **9% GDP Growth (net of population growth)**
 - ▶ Demand expansion due to income and pop growth
 - ▶ 5 year later
 - ▶ GDP GROWTH 0.159274074
 - ▶ POP GROWTH 0.068819823
 - ▶ GDP Growth net of pop growth is 0.09

SİMÜLASYON 6

Genel Etkiler

Prof. Dr. Ozan Eruygur

	BAZ	SENARYO	DEĞİŞİM
Toplam Artık (Endeks)	100.0	102.5	2.5%
Üretici Artığı	100.0	101.2	1.2%
Tüketici Artığı	100.0	122.4	22.4%
Toplam Üretim			
Hacim ^a	63,285	68,224	7.8%
Değer	63,285	79,492	25.6%
Bitkisel Üretim			
Hacim ^a	40,244	43,549	8.2%
Değer	40,244	48,126	19.6%
Hayvansal Üretim			
Hacim ^a	23,041	24,675	7.1%
Değer	23,041	31,367	36.1%
Toplam Tüketim			
Hacim ^a	54,198	60,843	12.3%
Değer	54,198	71,304	31.6%
Bitkisel Tüketim			
Hacim ^a	32,473	36,714	13.1%
Değer	32,473	40,625	25.1%
Hayvansal Tüketim			
Hacim ^a	21,725	24,129	11.1%
Değer	21,725	30,679	41.2%
Net İhracat	8,765	6,593	-24.8%
Bitkisel Ürünler	7,311	5,846	-20.0%
Hayvansal Ürünler	1,455	747	-48.7%
Fiyat Endeksi (Laspeyres)	100.0	117.5	17.5%
Bitkisel Ürünler	100.0	111.1	11.1%
Hayvansal Ürünler	100.0	127.2	27.2%

Dış Ticaret Etkileri

Prof. Dr. Ozan Eruygur

Net Exports (Million USD)						
	BASE			SCENARIO		
	EU	ROW	TOTAL	EU	ROW	TOTAL
CROP PRODUCTS	5394	1917	7311	4651	1195	5846
CEREALS	-173	737	564	-188	599	411
Common Wheat	-61	667	605	-67	575	508
Durum Wheat	-6	237	231	-7	197	190
Barley	-15	-21	-36	-16	-22	-38
Corn	-58	-74	-132	-62	-77	-140
Rice	-32	-71	-104	-35	-74	-109
Rye	0	0	0	0	0	-1
PULSES	18	-63	-44	17	-68	-51
Chickpea	13	-13	0	12	-14	-2
Drybean	2	-36	-33	2	-39	-37
Fresh Bean	0	3	2	0	3	
Lentil	3	-16	-14	3	-17	-14
INDUSTRIAL CROPS	1085	-12	1073	1087	-52	1035
Tobacco	-54	395	341	0	381	381
Sugarbeet	-4	-42	-45	-4	-45	-49
Cotton	1142	-365	777	1091	-388	703
OILSEEDS	-116	-1528	-1644	-126	-1583	-1709
Sesame	10	-197	-187	8	-204	-196
Sunflower	-104	-280	-384	-109	-300	-410
Groundnut	0	-20	-20	0	-22	-22
Soybean	-22	-1032	-1054	-25	-1057	-1082

Net Exports (Million USD)						
	BASE			SCENARIO		
	EU	ROW	TOTAL	EU	ROW	TOTAL
TUBERS	-8	64	56	-9.8	61.7	52
Onion (Dry)	3	21	24	3	20	23
Potato	-15	28	13	-17	27	10
Onion (Fresh)	4	20	24	4	19	
Garlic (Dry)	0	-4	-4	0	-5	
Garlic (Fresh)	0	0	0	0	0	
VEGETABLES	154	263	417	152	259	411
Melon	3	1	4	3	1	4
Watermelon	5	0	5	4	0	4
Cucumber	3	2	5	2	2	5
Eggplant	1	1	1	1	1	1
Fresh Tomato	50	57	108	50	57	107
Processing Tomato	41	169	210	41	166	206
Green Pepper	16	3	19	16	3	19
Red Pepper	35	30	66	35	30	65
GREENHOUSE PRODUCTS	437	584	1021	260	361	621
Fresh Bean	0	1	1	0	0	0
Melon	0	0	1	0	0	0
Watermelon	2	0	2	0	0	0
Cucumber	44	43	88	25	25	50
Eggplant	5	6	12	2	0	2
Tomato	287	501	788	179	319	497
Green Pepper	99	31	130	54	17	71

Net Exports (Million USD)						
	BASE			SCENARIO		
	EU	ROW	TOTAL	EU	ROW	TOTAL
FRUITS AND NUTS	3997	1871	5868	3459	1617	5076
Apple	344	102	446	324	92	416
Apricot	281	203	484	270	188	457
Peach	0	30	29	0	27	27
Table Olive	6	5	11	5	4	9
Oil Olive	39	150	189	35	127	162
Orange	10	128	138	9	121	131
Grapefruit	42	38	80	40	36	77
Lemon	77	189	266	74	180	254
Mandarin	18	100	117	17	94	110
Pistachio	36	27	62	31	23	55
Hazelnut	2472	418	2890	2068	311	2379
Fig (Dry)	139	109	248	117	90	207
Fig (Fresh)	0	0	0	0	0	0
Table Grape	42	117	159	39	105	144
Raisin Grape	307	149	456	253	123	376
Tea	12	-6	7	12	-6	5
Cherry	136	60	196	130	55	185
Pomegranate	36	53	89	34	48	82

Net Exports (Million USD)						
	BASE			SCENARIO		
	EU	ROW	TOTAL	EU	ROW	TOTAL
LIVESTOCK & POUL.	-32	1486	1455	-35	782	747
MEAT	-11	42	31	-12	17	5
Cow Meat	-11	36	25	-12	17	5
Sheep Meat	0	6	6	0	0	0
Goat Meat	0	0	0	0	0	0
MILK	-19	590	570	-21	431	409
Cow Milk	-18	544	526	-20	415	394
Sheep Milk	-1	27	26	-1	12	11
Goat Milk	0	18	18	0	4	4
POULTRY	-2	855	853	-2	334	332
Poultry Meat	0	415	415	0	84	84
Egg	-2	440	438	-2	250	248
TOTAL	5362	3403	8765	4616	1977	6593

Tarımsal Üretim Üzerindeki Etkiler

Prof. Dr. Ozan Eruygur

Production (Million USD)						
Volume (2014-16 prices) and Value (scenario prices)						
	BASE		SCENARIO		CHANGE	
	VALUE	VOLUME	VALUE	VOLUME	VALUE	VOLUME
CROP PRODUCTS	40244	40244	48126	43549	19.6%	8.2%
CEREALS	10133	10133	11616	10174	14.6%	0.4%
Common Wheat	5152	5152	5825	5045	13.1%	-2.1%
Durum Wheat	1117	1117	1240	1078	11.1%	-3.5%
Barley	1785	1785	2134	1813	19.6%	1.6%
Corn	1587	1587	1825	1693	15.0%	6.6%
Rice	356	356	429	405	20.5%	13.8%
Rye	136	136	162	140	19.7%	2.9%
PULSES	1683	1683	2047	1961	21.6%	16.5%
Chickpea	503	503	627	593	24.8%	18.0%
Drybean	317	317	380	364	20.0%	14.9%
Fresh Bean	587	587	686	676	16.9%	15.2%
Lentil	276	276	353	327	27.8%	18.6%
INDUSTRIAL CROPS	2875	2875	3489	3316	21.3%	15.3%
Tobacco	387	387	455	444	17.6%	14.8%
Sugarbeet	1219	1219	1532	1462	25.7%	19.9%
Cotton	1270	1270	1502	1410	18.3%	11.1%
OILSEEDS	1506	1506	2258	2050	50.0%	36.2%
Sesame	43	43	114	105	167.2%	146.8%
Sunflower	1182	1182	1600	1479	35.3%	25.1%
Groundnut	210	210	263	254	25.3%	21.0%
Soybean	70	70	281	211	298.5%	200.0%

Production (Million USD)						
Volume (2014-16 prices) and Value (scenario prices)						
	BASE		SCENARIO		CHANGE	
	VALUE	VOLUME	VALUE	VOLUME	VALUE	VOLUME
TUBERS	2602	2602	3013	2968	15.8%	14.1%
Onion (Dry)	484	484	582	570	20.1%	17.6%
Potato	1798	1798	2050	2022	14.1%	12.5%
Onion (Fresh)	109	109	126	125	15.9%	14.3%
Garlic (Dry)	185	185	223	221	20.6%	19.3%
Garlic (Fresh)	26	26	31	31	20.5%	18.9%
VEGETABLES	3779	3779	4513	4426	19.4%	17.1%
Melon	539	539	651	640	20.8%	18.7%
Watermelon	427	427	505	489	18.3%	14.6%
Cucumber	128	128	159	152	23.8%	18.5%
Eggplant	113	113	139	134	23.0%	19.0%
Fresh Tomato	824	824	993	973	20.5%	18.1%
Processing Tomato	751	751	875	863	16.5%	14.9%
Green Pepper	185	185	227	219	23.1%	18.4%
Red Pepper	813	813	965	956	18.7%	17.7%
GREENHOUSE PRODUCTS	5188	5188	6792	5387	30.9%	3.8%
Fresh Bean	80	80	117	84	46.3%	5.3%
Melon	123	123	181	110	47.4%	-10.5%
Watermelon	297	297	427	239	43.5%	-19.8%
Cucumber	773	773	1054	850	36.3%	10.0%
Eggplant	129	129	182	116	41.2%	-10.1%
Tomato	3034	3034	3852	3190	27.0%	5.1%
Green Pepper	752	752	980	799	30.3%	6.1%

Production (Million USD)						
Volume (2014-16 prices) and Value (scenario prices)						
	BASE		SCENARIO		CHANGE	
	VALUE	VOLUME	VALUE	VOLUME	VALUE	VOLUME
FRUITS AND NUTS	12478	12478	14398	13268	15.4%	6.3%
Apple	1226	1226	1478	1408	20.6%	14.9%
Apricot	521	521	563	541	8.0%	3.8%
Peach	421	421	529	506	25.6%	20.2%
Table Olive	650	650	810	709	24.7%	9.1%
Oil Olive	1517	1517	1939	1669	27.8%	10.0%
Orange	405	405	505	477	24.7%	17.9%
Grapefruit	47	47	50	47	7.6%	1.8%
Lemon	323	323	351	338	8.7%	4.7%
Mandarin	274	274	322	301	17.6%	10.0%
Pistachio	912	912	1115	1041	22.3%	14.1%
Hazelnut	2285	2285	2221	1966	-2.8%	-14.0%
Fig (Dry)	351	351	376	341	7.0%	-2.9%
Fig (Fresh)	86	86	101	99	17.7%	15.0%
Table Grape	1297	1297	1592	1505	22.8%	16.1%
Raisin Grape	477	477	437	401	-8.4%	-15.9%
Tea	806	806	985	946	22.2%	17.4%
Cherry	721	721	840	799	16.6%	10.8%
Pomegranate	161	161	184	172	14.6%	7.1%

Production (Million USD)						
Volume (2014-16 prices) and Value (scenario prices)						
	BASE		SCENARIO		CHANGE	
	VALUE	VOLUME	VALUE	VOLUME	VALUE	VOLUME
LIVESTOCK & POUL.	23041	23041	31367	24675	36.1%	7.1%
MEAT	9017	9017	12561	9862	39.3%	9.4%
Cow Meat	8012	8012	11175	8819	39.5%	10.1%
Sheep Meat	775	775	1071	824	38.3%	6.4%
Goat Meat	231	231	315	219	36.4%	-5.1%
MILK	8642	8642	11866	9426	37.3%	9.1%
Cow Milk	7385	7385	10166	8129	37.7%	10.1%
Sheep Milk	902	902	1228	960	36.1%	6.4%
Goat Milk	355	355	471	337	32.6%	-5.1%
POULTRY	5381	5381	6940	5386	29.0%	0.1%
Poultry Meat	3449	3449	4534	3452	31.5%	0.1%
Egg	1933	1933	2406	1934	24.5%	0.1%
TOTAL	63285	63285	79492	68224	25.6%	7.8%

Fiyat Üzerindeki Etkiler

Prof. Dr. Ozan Eruygur

Prices of Selected Products	(USD/Ton)		
Laspeyres Index for Groups			
BASE=100	BASE	SCENARIO	CHANGE (%)
CROP PRODUCTS	100.0	111.1	11.1%
CEREALS	100.0	112.9	12.9%
Common Wheat	302	349	15.5%
Durum Wheat	304	350	15.0%
Barley	255	300	17.7%
Corn	254	274	7.8%
Rice	667	707	5.9%
Rye	252	293	16.3%
PULSES	100.0	104.4	4.4%
Chickpea	1,105	1,168	5.7%
Drybean	1,388	1,450	4.5%
Fresh Bean	918	932	1.5%
Lentil	774	834	7.8%
INDUSTRIAL CROPS	100.0	105.2	5.2%
Tobacco	5,457	5,590	2.4%
Sugarbeet	70	73	4.8%
Cotton	586	624	6.5%
OILSEEDS	100.0	117.3	17.3%
Sesame	2,298	2,487	8.2%
Sunflower	711	769	8.2%
Groundnut	1,447	1,498	3.5%
Soybean	444	590	32.8%

Prices of Selected Products	(USD/Ton)		
Laspeyres Index for Groups			
BASE=100	BASE	SCENARIO	CHANGE (%)
TUBERS	100.0	101.5	1.5%
Onion (Dry)	251	256	2.2%
Potato	394	399	1.4%
Onion (Fresh)	771	782	1.4%
Garlic (Dry)	1,885	1,906	1.1%
Garlic (Fresh)	1,025	1,038	1.3%
VEGETABLES	100.0	102.0	2.0%
Melon	270	275	1.8%
Watermelon	133	137	3.2%
Cucumber	176	184	4.5%
Eggplant	210	217	3.3%
Fresh Tomato	178	182	2.0%
Processing Tomato	182	184	1.4%
Green Pepper	219	228	3.9%
Red Pepper	742	748	0.9%
GREENHOUSE PRODUCTS	100.0	128.2	28.2%
Fresh Bean	1,744	2,423	38.9%
Melon	741	1,221	64.7%
Watermelon	424	759	78.9%
Cucumber	717	889	24.0%
Eggplant	442	694	57.1%
Tomato	843	1,018	20.8%
Green Pepper	1,252	1,537	22.7%

Prices of Selected Products	(USD/Ton)		
Laspeyres Index for Groups			
BASE=100	BASE	SCENARIO	CHANGE (%)
FRUITS AND NUTS	100.0	108.3	8.3%
Apple	461	484	5.0%
Apricot	931	968	4.0%
Peach	656	685	4.4%
Table Olive	1,537	1,758	14.4%
Oil Olive	1,158	1,346	16.2%
Orange	223	236	5.8%
Grapefruit	191	202	5.7%
Lemon	416	432	3.8%
Mandarin	232	248	6.9%
Pistachio	6,951	7,446	7.1%
Hazelnut	4,523	5,110	13.0%
Fig (Dry)	3,403	3,748	10.1%
Fig (Fresh)	1,096	1,121	2.3%
Table Grape	643	680	5.8%
Raisin Grape	1,517	1,653	9.0%
Tea	613	638	4.1%
Cherry	1,368	1,439	5.2%
Pomegranate	369	395	7.0%

Prices of Selected Products	(USD/Ton)		
Laspeyres Index for Groups			
BASE=100	BASE	SCENARIO	CHANGE (%)
LIVESTOCK & POUL.	100.0	127.2	27.2%
MEAT	100.0	127.4	27.4%
Cow Meat	8,138	10,312	26.7%
Sheep Meat	8,181	10,634	30.0%
Goat Meat	7,519	10,806	43.7%
MILK	100.0	126.0	26.0%
Cow Milk	437	547	25.1%
Sheep Milk	788	1,008	27.9%
Goat Milk	758	1,059	39.7%
POULTRY	100.0	129.0	29.0%
Poultry Meat	1,820	2,391	31.4%
Egg	1,787	2,223	24.4%
TOTAL	100.0	117.5	17.5%

Bölgesel Etkiler

Prof. Dr. Ozan Eruygur

Production Changes	CHANGE			
	Coastal	Central	Eastern	GAP
CROP PRODUCTS				
Common Wheat	-5%	-4%	0%	11%
Durum Wheat	-29%	1%	0%	-3%
Barley	-28%	15%	0%	-24%
Corn	-15%	27%	2%	36%
Rice	11%	48%	-1%	-27%
Rye	-28%	19%	1%	73%
PULSES				
Chickpea	-30%	45%	2%	12%
Drybean	-29%	24%	1%	-29%
Fresh Bean	22%	-1%	1%	-28%
Lentil	-30%	52%	2%	18%
INDUSTRIAL CROPS				
Tobacco	-14%	97%	9%	100%
Sugarbeet	-29%	24%	2%	106%
Cotton	45%	-18%	2%	-13%
OILSEEDS				
Sesame	157%	113%	6%	43%
Sunflower	30%	18%	1%	-29%
Groundnut	22%	-16%		64%
Soybean	200%	200%		200%

Production Changes	CHANGE			
	Coastal	Central	Eastern	GAP
TUBERS				
Onion (Dry)	-29%	45%	0%	-28%
Potato	-29%	27%	2%	-29%
Onion (Fresh)	-30%	73%	3%	-29%
Garlic (Dry)	-30%	27%	2%	117%
Garlic (Fresh)	-29%	-28%	0%	107%
VEGETABLES				
Melon	-30%	58%	10%	64%
Watermelon	42%	-30%	2%	-28%
Cucumber	-5%	68%	6%	-14%
Eggplant	10%	16%	1%	58%
Fresh Tomato	40%	-6%	1%	-29%
Processing Tomato	22%	-30%	-1%	-29%
Green Pepper	32%	-2%	2%	-30%
Red Pepper	46%	-28%	1%	-30%
GREENHOUSE PRODUCTS				
Fresh Bean	5%	-29%		
Melon	-11%			
Watermelon	-20%			
Cucumber	14%	-30%	-30%	6%
Eggplant	-10%			-29%
Tomato	4%	21%	60%	
Green Pepper	6%	-29%		

Production Changes	CHANGE			
	Coastal	Central	Eastern	GAP
	FRUITS AND NUTS			
Apple	46%	-29%	66%	-30%
Apricot	78%	-30%	-29%	-3%
Peach	22%	-29%	200%	81%
Table Olive	10%	-28%		1%
Oil Olive	10%	-29%		10%
Orange	18%	-29%		
Grapefruit	2%			
Lemon	5%	-29%		
Mandarin	10%	-28%		
Pistachio	200%	-28%	200%	6%
Hazelnut	-29%	82%	200%	
Fig (Dry)	-3%			
Fig (Fresh)	17%	31%	200%	-29%
Table Grape	35%	-28%	70%	-16%
Raisin Grape	-12%	-28%	-29%	-29%
Tea	17%			
Cherry	-10%	28%	200%	8%
Pomegranate	13%	-28%	200%	-30%

- ▶ İklım Deęiřiklięi
- ▶ Climate Change

SİMÜLASYON 7

Prof. Dr. Ozan Eruygur

Genel Etkiler

Prof. Dr. Ozan Eruygur

	BAZ	SENARYO	DEĞİŞİM
Toplam Artık (Endeks)	100.0	99.4	-0.6%
Üretici Artığı	100.0	99.9	-0.1%
Tüketici Artığı	100.0	92.1	-7.9%
Toplam Üretim			
Hacim ^a	63,285	58,423	-7.7%
Değer	63,285	63,959	1.1%
Bitkisel Üretim			
Hacim ^a	40,244	35,521	-11.7%
Değer	40,244	40,920	1.7%
Hayvansal Üretim			
Hacim ^a	23,041	22,902	-0.6%
Değer	23,041	23,039	0.0%
Toplam Tüketim			
Hacim ^a	54,198	51,088	-5.7%
Değer	54,198	55,088	1.6%
Bitkisel Tüketim			
Hacim ^a	32,473	29,487	-9.2%
Değer	32,473	33,352	2.7%
Hayvansal Tüketim			
Hacim ^a	21,725	21,601	-0.6%
Değer	21,725	21,736	0.1%
Net İhracat	8,765	7,137	-18.6%
Bitkisel Ürünler	7,311	5,660	-22.6%
Hayvansal Ürünler	1,455	1,477	1.6%
Fiyat Endeksi (Laspeyres)	100.0	109.4	9.4%
Bitkisel Ürünler	100.0	115.2	15.2%
Hayvansal Ürünler	100.0	100.6	0.6%

Dış Ticaret Etkileri

Prof. Dr. Ozan Eruygur

Net Exports (Million USD)						
	BASE			SCENARIO		
	EU	ROW	TOTAL	EU	ROW	TOTAL
CROP PRODUCTS	5394	1917	7311	4828	832	5660
CEREALS	-173	737	564	-196	394	198
Common Wheat	-61	667	605	-70	441	370
Durum Wheat	-6	237	231	-7	140	133
Barley	-15	-21	-36	-17	-24	-41
Corn	-58	-74	-132	-65	-83	-148
Rice	-32	-71	-104	-37	-79	-116
Rye	0	0	0	0	0	-1
PULSES	18	-63	-44	18	-73	-55
Chickpea	13	-13	0	14	-16	-2
Drybean	2	-36	-33	2	-42	-40
Freash Bean	0	3	2	0	3	
Lentil	3	-16	-14	3	-18	-16
INDUSTRIAL CROPS	1085	-12	1073	1020	-109	910
Tobacco	-54	395	341	0	356	356
Sugarbeet	-4	-42	-45	-4	-48	-53
Cotton	1142	-365	777	1024	-417	607
OILSEEDS	-116	-1528	-1644	-104	-1641	-1745
Sesame	10	-197	-187	11	-213	-203
Sunflower	-104	-280	-384	-115	-323	-437
Groundnut	0	-20	-20	0	-23	-23
Soybean	-22	-1032	-1054	0	-1082	-1082

Net Exports (Million USD)						
	BASE			SCENARIO		
	EU	ROW	TOTAL	EU	ROW	TOTAL
TUBERS	-8	64	56	-10.9	56.2	45
Onion (Dry)	3	21	24	3	19	22
Potato	-15	28	13	-18	23	6
Onion (Fresh)	4	20	24	4	19	
Garlic (Dry)	0	-4	-4	0	-5	
Garlic (Fresh)	0	0	0	0	0	
VEGETABLES	154	263	417	123	90	213
Melon	3	1	4	3	1	4
Watermelon	5	0	5	4	0	4
Cucumber	3	2	5	2	2	5
Eggplant	1	1	1	1	1	1
Fresh Tomato	50	57	108	49	54	103
Processing Tomato	41	169	210	14	0	14
Green Pepper	16	3	19	16	3	19
Red Pepper	35	30	66	34	30	64
GREENHOUSE PRODUCTS	437	584	1021	437	584	1021
Fresh Bean	0	1	1	0	1	1
Melon	0	0	1	0	0	1
Watermelon	2	0	2	2	0	2
Cucumber	44	43	88	44	43	88
Eggplant	5	6	12	5	6	12
Tomato	287	501	788	287	501	788
Green Pepper	99	31	130	99	31	130

Net Exports (Million USD)						
	BASE			SCENARIO		
	EU	ROW	TOTAL	EU	ROW	TOTAL
FRUITS AND NUTS	3997	1871	5868	3542	1531	5072
Apple	344	102	446	103	0	103
Apricot	281	203	484	282	205	487
Peach	0	30	29	0	30	30
Table Olive	6	5	11	6	5	11
Oil Olive	39	150	189	30	97	128
Orange	10	128	138	10	129	139
Grapefruit	42	38	80	43	38	81
Lemon	77	189	266	78	191	269
Mandarin	18	100	117	18	101	119
Pistachio	36	27	62	26	19	46
Hazelnut	2472	418	2890	2554	440	2994
Fig (Dry)	139	109	248	0	0	0
Fig (Fresh)	0	0	0	0	0	0
Table Grape	42	117	159	32	83	115
Raisin Grape	307	149	456	174	84	258
Tea	12	-6	7	12	-6	6
Cherry	136	60	196	137	61	198
Pomegranate	36	53	89	36	54	90

Net Exports (Million USD)						
	BASE			SCENARIO		
	EU	ROW	TOTAL	EU	ROW	TOTAL
LIVESTOCK & POUL.	-32	1486	1455	-36	1514	1477
MEAT	-11	42	31	-12	36	23
Cow Meat	-11	36	25	-12	36	23
Sheep Meat	0	6	6	0	0	0
Goat Meat	0	0	0	0	0	0
MILK	-19	590	570	-22	624	602
Cow Milk	-18	544	526	-21	579	558
Sheep Milk	-1	27	26	-1	25	24
Goat Milk	0	18	18	0	20	20
POULTRY	-2	855	853	-2	854	852
Poultry Meat	0	415	415	0	414	414
Egg	-2	440	438	-2	440	438
TOTAL	5362	3403	8765	4792	2345	7137

Tarımsal Üretim Üzerindeki Etkiler

Prof. Dr. Ozan Eruygur

Production (Million USD)						
Volume (2014-16 prices) and Value (scenario prices)						
	BASE		SCENARIO		CHANGE	
	VALUE	VOLUME	VALUE	VOLUME	VALUE	VOLUME
CROP PRODUCTS	40244	40244	40920	35521	1.7%	-11.7%
CEREALS	10133	10133	10724	7880	5.8%	-22.2%
Common Wheat	5152	5152	5031	3640	-2.4%	-29.3%
Durum Wheat	1117	1117	997	731	-10.7%	-34.5%
Barley	1785	1785	2548	1702	42.7%	-4.7%
Corn	1587	1587	1621	1385	2.1%	-12.7%
Rice	356	356	322	286	-9.5%	-19.7%
Rye	136	136	206	135	51.5%	-0.1%
PULSES	1683	1683	1718	1645	2.1%	-2.2%
Chickpea	503	503	493	504	-2.0%	0.2%
Drybean	317	317	328	299	3.6%	-5.8%
Fresh Bean	587	587	600	581	2.2%	-1.0%
Lentil	276	276	297	262	7.6%	-5.2%
INDUSTRIAL CROPS	2875	2875	2791	2499	-2.9%	-13.1%
Tobacco	387	387	435	407	12.4%	5.3%
Sugarbeet	1219	1219	1274	1151	4.5%	-5.5%
Cotton	1270	1270	1082	941	-14.8%	-25.9%
OILSEEDS	1506	1506	1273	1159	-15.4%	-23.0%
Sesame	43	43	30	31	-30.9%	-26.3%
Sunflower	1182	1182	995	890	-15.9%	-24.7%
Groundnut	210	210	202	189	-3.6%	-10.1%
Soybean	70	70	46	49	-34.0%	-29.9%

Production (Million USD)						
Volume (2014-16 prices) and Value (scenario prices)						
	BASE		SCENARIO		CHANGE	
	VALUE	VOLUME	VALUE	VOLUME	VALUE	VOLUME
TUBERS	2602	2602	2731	2555	4.9%	-1.8%
Onion (Dry)	484	484	501	478	3.3%	-1.3%
Potato	1798	1798	1906	1761	6.0%	-2.1%
Onion (Fresh)	109	109	110	107	1.2%	-1.6%
Garlic (Dry)	185	185	188	183	1.3%	-1.1%
Garlic (Fresh)	26	26	26	26	2.1%	-0.6%
VEGETABLES	3779	3779	4111	3490	8.8%	-7.6%
Melon	539	539	553	535	2.6%	-0.7%
Watermelon	427	427	446	418	4.6%	-2.1%
Cucumber	128	128	136	124	6.2%	-2.8%
Eggplant	113	113	118	111	4.8%	-2.2%
Fresh Tomato	824	824	881	809	6.9%	-1.9%
Processing Tomato	751	751	959	505	27.6%	-32.8%
Green Pepper	185	185	195	180	5.6%	-2.5%
Red Pepper	813	813	823	808	1.3%	-0.5%
GREENHOUSE PRODUCTS	5188	5188	5188	5188	0.0%	0.0%
Fresh Bean	80	80	80	80	0.0%	0.0%
Melon	123	123	123	123	0.0%	0.0%
Watermelon	297	297	297	297	0.0%	0.0%
Cucumber	773	773	773	773	0.0%	0.0%
Eggplant	129	129	129	129	0.0%	0.0%
Tomato	3034	3034	3034	3034	0.0%	0.0%
Green Pepper	752	752	752	752	0.0%	0.0%

Production (Million USD)						
Volume (2014-16 prices) and Value (scenario prices)						
	BASE		SCENARIO		CHANGE	
	VALUE	VOLUME	VALUE	VOLUME	VALUE	VOLUME
FRUITS AND NUTS	12478	12478	12383	11103	-0.8%	-11.0%
Apple	1226	1226	1393	871	13.7%	-28.9%
Apricot	521	521	522	523	0.0%	0.4%
Peach	421	421	418	422	-0.6%	0.2%
Table Olive	650	650	640	659	-1.4%	1.5%
Oil Olive	1517	1517	1458	1062	-3.9%	-30.0%
Orange	405	405	402	406	-0.8%	0.3%
Grapefruit	47	47	46	47	-0.5%	0.7%
Lemon	323	323	322	325	-0.2%	0.6%
Mandarin	274	274	271	275	-0.8%	0.6%
Pistachio	912	912	977	843	7.2%	-7.6%
Hazelnut	2285	2285	2299	2361	0.6%	3.3%
Fig (Dry)	351	351	176	90	-49.8%	-74.2%
Fig (Fresh)	86	86	85	86	-0.3%	0.1%
Table Grape	1297	1297	1355	1161	4.5%	-10.5%
Raisin Grape	477	477	339	278	-28.9%	-41.7%
Tea	806	806	800	807	-0.7%	0.1%
Cherry	721	721	717	724	-0.5%	0.4%
Pomegranate	161	161	160	162	-0.6%	0.7%

Production (Million USD)						
Volume (2014-16 prices) and Value (scenario prices)						
	BASE		SCENARIO		CHANGE	
	VALUE	VOLUME	VALUE	VOLUME	VALUE	VOLUME
LIVESTOCK & POUL.	23041	23041	23039	22902	0.0%	-0.6%
MEAT	9017	9017	9021	8947	0.0%	-0.8%
Cow Meat	8012	8012	8018	7960	0.1%	-0.6%
Sheep Meat	775	775	771	746	-0.5%	-3.6%
Goat Meat	231	231	232	240	0.6%	4.2%
MILK	8642	8642	8638	8576	0.0%	-0.8%
Cow Milk	7385	7385	7384	7337	0.0%	-0.6%
Sheep Milk	902	902	896	869	-0.7%	-3.6%
Goat Milk	355	355	359	370	0.9%	4.2%
POULTRY	5381	5381	5380	5379	0.0%	0.0%
Poultry Meat	3449	3449	3444	3447	-0.1%	0.0%
Egg	1933	1933	1936	1932	0.2%	0.0%
TOTAL	63285	63285	63959	58423	1.1%	-7.7%

Fiyat Üzerindeki Etkiler

Prof. Dr. Ozan Eruygur

Prices of Selected Products	(USD/Ton)		
Laspeyres Index for Groups			
BASE=100	BASE	SCENARIO	CHANGE (%)
CROP PRODUCTS	100.0	115.2	15.2%
CEREALS	100.0	131.4	31.4%
Common Wheat	302	417	38.2%
Durum Wheat	304	414	36.3%
Barley	255	382	49.7%
Corn	254	297	17.0%
Rice	667	751	12.6%
Rye	252	382	51.7%
PULSES	100.0	104.8	4.8%
Chickpea	1,105	1,080	-2.2%
Drybean	1,388	1,526	10.0%
Fresh Bean	918	947	3.2%
Lentil	774	879	13.6%
INDUSTRIAL CROPS	100.0	111.9	11.9%
Tobacco	5,457	5,826	6.8%
Sugarbeet	70	77	10.7%
Cotton	586	674	15.1%
OILSEEDS	100.0	103.0	3.0%
Sesame	2,298	2,155	-6.2%
Sunflower	711	795	11.8%
Groundnut	1,447	1,552	7.3%
Soybean	444	418	-5.9%

Prices of Selected Products	(USD/Ton)		
Laspeyres Index for Groups			
BASE=100	BASE	SCENARIO	CHANGE (%)
TUBERS	100.0	106.9	6.9%
Onion (Dry)	251	263	4.7%
Potato	394	426	8.2%
Onion (Fresh)	771	793	2.8%
Garlic (Dry)	1,885	1,929	2.4%
Garlic (Fresh)	1,025	1,053	2.7%
VEGETABLES	100.0	120.1	20.1%
Melon	270	279	3.3%
Watermelon	133	142	6.8%
Cucumber	176	192	9.3%
Eggplant	210	225	7.1%
Fresh Tomato	178	194	9.0%
Processing Tomato	182	346	89.9%
Green Pepper	219	237	8.3%
Red Pepper	742	756	1.8%
GREENHOUSE PRODUCTS	100.0	100.0	0.0%
Fresh Bean	1,744	1,744	0.0%
Melon	741	741	0.0%
Watermelon	424	424	0.0%
Cucumber	717	717	0.0%
Eggplant	442	442	0.0%
Tomato	843	843	0.0%
Green Pepper	1,252	1,252	0.0%

Prices of Selected Products	(USD/Ton)		
Laspeyres Index for Groups			
BASE=100	BASE	SCENARIO	CHANGE (%)
FRUITS AND NUTS	100.0	117.9	17.9%
Apple	461	737	59.9%
Apricot	931	928	-0.4%
Peach	656	650	-0.9%
Table Olive	1,537	1,493	-2.9%
Oil Olive	1,158	1,590	37.3%
Orange	223	220	-1.2%
Grapefruit	191	189	-1.2%
Lemon	416	413	-0.8%
Mandarin	232	229	-1.4%
Pistachio	6,951	8,057	15.9%
Hazelnut	4,523	4,404	-2.6%
Fig (Dry)	3,403	6,633	94.9%
Fig (Fresh)	1,096	1,091	-0.5%
Table Grape	643	751	16.8%
Raisin Grape	1,517	1,852	22.1%
Tea	613	608	-0.8%
Cherry	1,368	1,356	-0.9%
Pomegranate	369	364	-1.4%

Prices of Selected Products	(USD/Ton)		
Laspeyres Index for Groups			
BASE=100	BASE	SCENARIO	CHANGE (%)
LIVESTOCK & POUL.	100.0	100.6	0.6%
MEAT	100.0	100.8	0.8%
Cow Meat	8,138	8,198	0.7%
Sheep Meat	8,181	8,450	3.3%
Goat Meat	7,519	7,258	-3.5%
MILK	100.0	100.7	0.7%
Cow Milk	437	440	0.6%
Sheep Milk	788	812	3.1%
Goat Milk	758	734	-3.2%
POULTRY	100.0	100.0	0.0%
Poultry Meat	1,820	1,818	-0.1%
Egg	1,787	1,791	0.2%
TOTAL	100.0	109.4	9.4%

Bölgesel Etkiler

Prof. Dr. Ozan Eruygur

Production Changes	CHANGE			
	Coastal	Central	Eastern	GAP
CROP PRODUCTS				
Common Wheat	-31%	-50%	-8%	28%
Durum Wheat	-31%	-45%	-7%	-22%
Barley	-17%	-2%	-15%	5%
Corn	-6%	-8%	2%	-30%
Rice	-23%	11%	-5%	-27%
Rye	59%	-29%	-10%	107%
PULSES				
Chickpea	133%	-61%	-54%	-41%
Drybean	-29%	-3%	-2%	-29%
Fresh Bean	9%	-29%	0%	-28%
Lentil	200%	165%	-7%	-20%
INDUSTRIAL CROPS				
Tobacco	-65%	200%	29%	200%
Sugarbeet	-29%	-6%	1%	122%
Cotton	-49%	-23%	2%	-9%
OILSEEDS				
Sesame	-30%	-2%	-8%	-29%
Sunflower	-51%	22%	-2%	-29%
Groundnut	-10%	-30%		-27%
Soybean	-30%	-29%		-28%

Production Changes				
	CHANGE			
	Coastal	Central	Eastern	GAP
TUBERS				
Onion (Dry)	-29%	15%	-2%	-28%
Potato	200%	-69%	32%	200%
Onion (Fresh)	-19%	22%	2%	-29%
Garlic (Dry)	-30%	-20%	0%	106%
Garlic (Fresh)	-29%	-28%	-4%	51%
VEGETABLES				
Melon	-33%	38%	16%	-29%
Watermelon	14%	-30%	2%	-28%
Cucumber	-29%	39%	10%	-28%
Eggplant	9%	-29%	0%	-21%
Fresh Tomato	-67%	125%	15%	-36%
Processing Tomato	-68%	191%	200%	170%
Green Pepper	9%	-29%	0%	-30%
Red Pepper	17%	-28%	-1%	-30%
GREENHOUSE PRODUCTS				
Fresh Bean	0%	0%		
Melon	0%			
Watermelon	0%			
Cucumber	0%	0%	0%	0%
Eggplant	0%			0%
Tomato	0%	0%	0%	
Green Pepper	0%	0%		

Production Changes	CHANGE			
	Coastal	Central	Eastern	GAP
	FRUITS AND NUTS			
Apple	-25%	-64%	200%	200%
Apricot	67%	-30%	-29%	-29%
Peach	4%	-29%	-28%	-29%
Table Olive	3%	-28%		-29%
Oil Olive	-32%	-29%		4%
Orange	0%	-29%		
Grapefruit	1%			
Lemon	1%	-29%		
Mandarin	1%	-28%		
Pistachio	200%	200%	200%	-27%
Hazelnut	8%	-29%	-28%	
Fig (Dry)	-74%			
Fig (Fresh)	5%	-29%	-28%	-29%
Table Grape	-62%	38%	-19%	128%
Raisin Grape	-62%	100%	-29%	-29%
Tea	0%			
Cherry	25%	-30%	-29%	-28%
Pomegranate	6%	-28%	-30%	-30%

TEŐEKKÜR EDERİM...

Prof. Dr. Ozan Eruygur