



Citrus: World Markets and Trade

Oranges

Global orange production for 2017/18 is forecast to tumble 6.0 million metric tons (tons) from the previous year to 47.8 million as unfavorable weather leads to smaller crops in Brazil and the United States. Similarly, fruit for processing is expected to fall, with orange juice production forecast down nearly 25 percent to 1.6 million tons (65 degrees brix) on the production slide in Brazil and the United States. Fresh exports are relatively unchanged while lower supplies are expected to affect processing oranges.

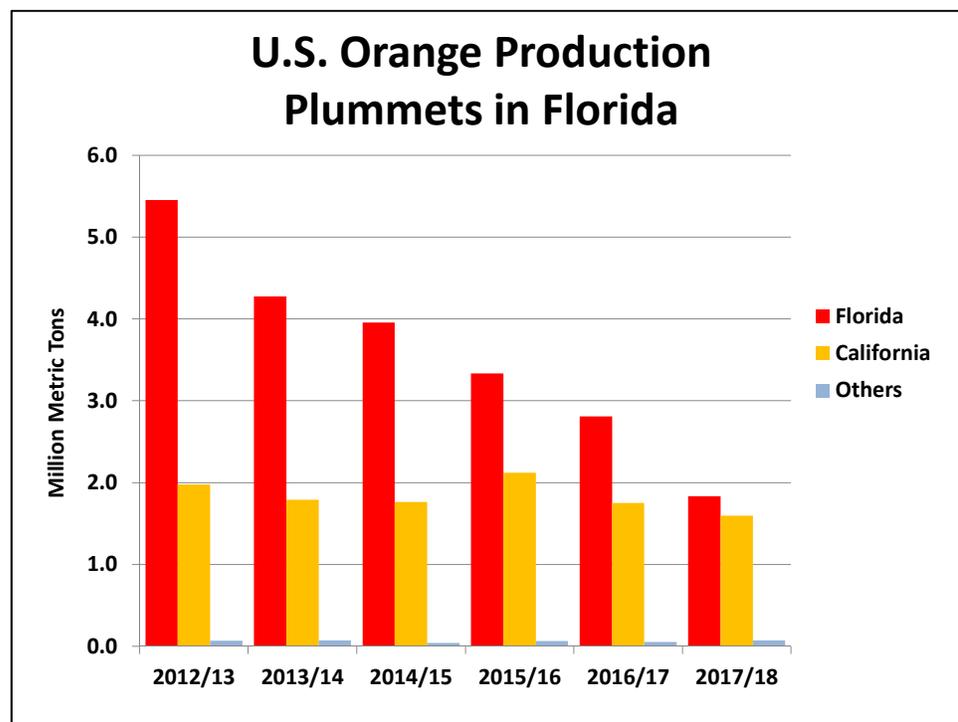
U.S. production is estimated to fall 24 percent to 3.5 million tons as unfavorable weather and citrus greening disease continue to cause fruit to drop in Florida before it is ripe. Exports, consumption, and fruit for processing are all lower with the smaller crop.

Brazil's production is forecast to fall 23 percent to 16.0

million tons as unfavorable weather resulted in poor bloom and fruit set. Fresh orange consumption is up 173,000 tons while oranges for processing are down 5.0 million tons to 11.1 million. With the drop in oranges for processing, orange juice production is forecast to fall to 1.0 million tons (65 degrees brix).

Production in the **European Union** is estimated down 5 percent to 6.4 million tons on lower area and drought conditions. Imports (which are more than triple exports) are up 10 percent while oranges for processing and fresh consumption are both down on lower supplies.

Egypt's production is estimated at a record 3.2 million tons, up 6 percent from last year on higher area. Exports are up 5 percent to a record 1.6 million tons on greater exportable supplies. Egypt accounts for one-third of global orange exports.



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South Africa's production is expected to rise 8 percent to 1.5 million tons. Exports are forecast at a record 1.2 million tons and account for 25 percent of global trade. The European Union remains the top market accounting for over 40 percent of South African orange exports.

Production in **Turkey** is forecast at a record 1.9 million tons due to favorable weather. Exports are also at a record on greater available supplies and high demand in Iraq and Russia.

Mexico's production is projected down slightly, which is expected to lower fruit used for processing and consumption.

Morocco's production is forecast only slightly lower at 1.0 million tons on favorable weather following early season drought. Exports and consumption are also forecast relatively flat on the minimal change in exportable supplies.

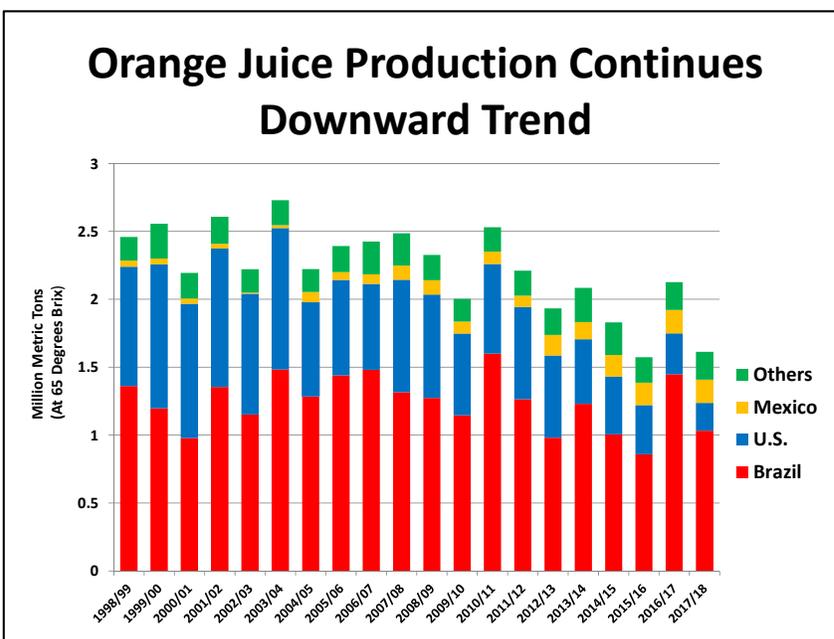
China's production is projected up 300,000 tons to 7.3 million as a result of favorable weather and yields. Consumption is up on higher domestic supplies and robust import demand for high-quality and counter-seasonal fruit. South Africa and Egypt are the top two suppliers, accounting for 60 percent of imports.

Orange Juice

Global orange juice production for 2017/18 is forecast down 24 percent to 1.6 million tons (65 degrees brix) as Brazil and U.S. production plunges on fewer oranges for processing.

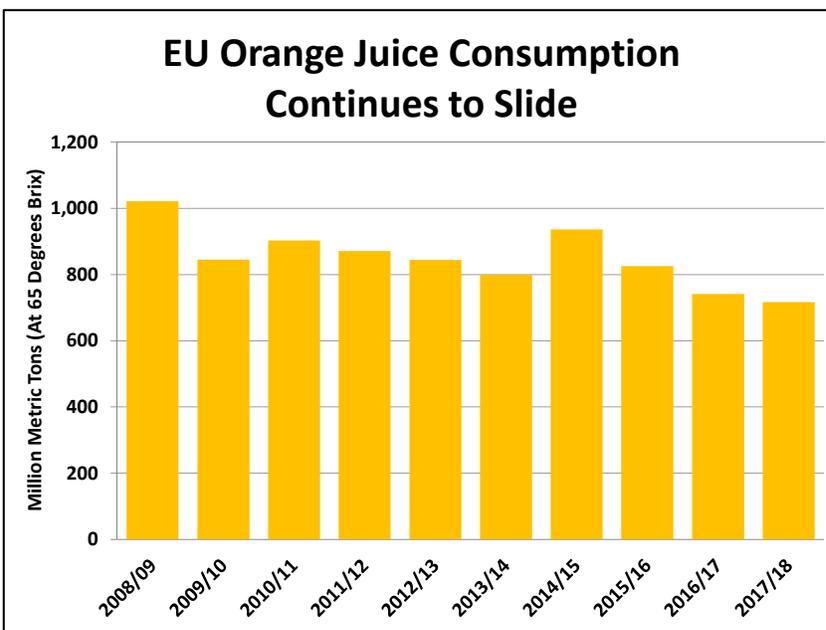
Consumption, exports, and stocks are expected to fall as Brazilian and U.S. supplies, combined, fall to near 2015/16 levels.

U.S. production is expected down 98,000 tons to 205,000 as a result of fewer oranges for processing. Imports are forecast up 37 percent to 410,000 tons with Brazil and Mexico expected to supply over 90 percent of the orange juice imports. The jump in imports offsets the drop in production, builds stocks, and tempers consumptions downward trend.



Brazil's production is expected to tumble nearly 30 percent to 1.0 million tons on fewer oranges for processing. As the largest producer, Brazil accounts for over three-quarters of global orange juice exports, but with the drop in production, both exports and stocks are forecast down.

Production in the **European Union** is projected down 8 percent to 107,000 tons on reduced oranges for processing due to lower area, high temperatures, and lack of rain. Consumption continues to slide as imports are also down. Even with declining consumption, the EU still remains the top orange juice consumer.



Tangerines/Mandarins

Global production for 2017/18 is forecast flat at 30.0 million tons, with a larger crop in China offsetting declines elsewhere in the world such as in the European Union and the United States. Fresh consumption and exports led by China and Turkey, respectively, are also flat.

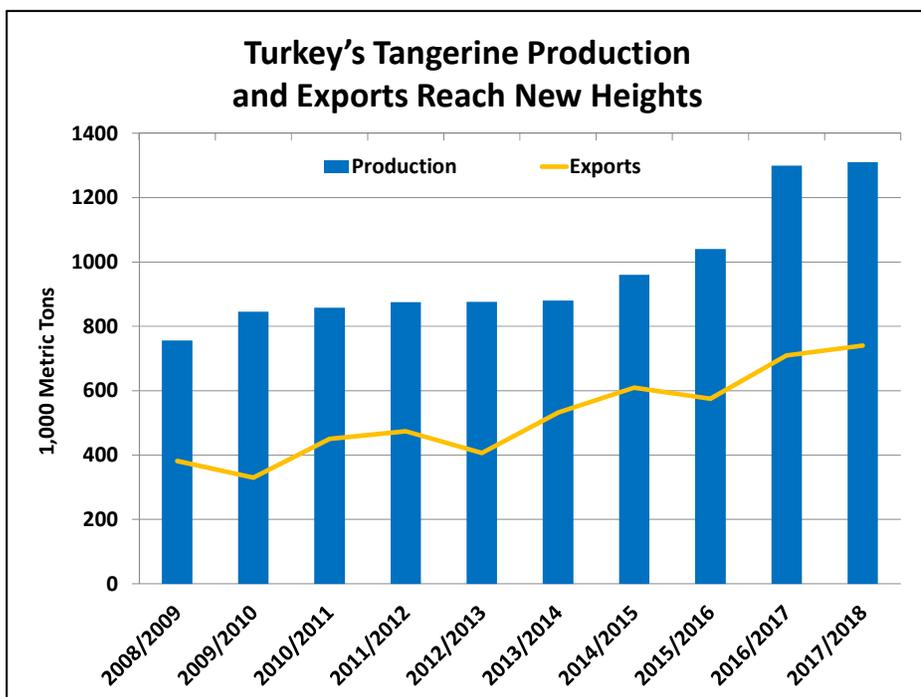
U.S. production is estimated to drop 19 percent to 758,000 tons due to unfavorable weather. Fresh consumption is down due to the drop in production while exports are relatively unchanged.

China's production is forecast up 3 percent to a record 21.2 million tons due to favorable weather. As the largest producer, China represents over 70 percent of global production and consumption and over one-fifth of global exports.

Production in the **European Union** is expected to fall 10 percent to 3.1 million tons due to unfavorable weather in Spain. Consumption and fruit for processing are both down with reduced supplies while imports are expected to set a new record for the third consecutive year. Morocco and South Africa continue to be the leading suppliers to the EU, followed by Israel, Peru, and Turkey.

Turkey's production is forecast slightly higher than last year's record at 1.3 million tons. Consumption is expected to decline slightly while exports set a new record for the fourth time in the last 5 years.

Production in **Morocco** is projected to drop 6 percent to 1.2 million tons due to unfavorable weather. Exports are forecast up due to strong demand from Russia and the United States while consumption is down on lower production.



Grapefruit

Global production in 2017/18 is forecast up 1 percent to 6.6 million tons as lighter rain and milder weather helped raise China's crop. This more than offsets the drop in the U.S. crop resulting from unfavorable weather and citrus greening. Exports and consumption are forecast up with higher supplies.

Lemons/Limes

Global production in 2017/18 is forecast up slightly to a record 7.7 million tons. Higher production in Argentina and Mexico is expected to more than offsets declines in Turkey. Global exports are forecast up slightly to a new record with record trade from Mexico, Turkey, and South Africa. Fruit used for processing is up slightly.

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FAS Reports from Overseas Offices

The *Citrus: World Markets and Trade* circular is based on reports from FAS Overseas Posts since June 2018 and on available secondary information. Individual country reports can be obtained on FAS Online at: <http://gain.fas.usda.gov/Pages/Default.aspx>.

PSD Online

The entire USDA PSD database is available online at <https://apps.fas.usda.gov/psdonline/app/index.html#/app/home> ?

Additional Resources

Please refer to the USDA-FAS Citrus website at: <http://www.fas.usda.gov/commodities/fruits-and-vegetables/citrus-fruit> for additional data and analysis.

Situation and outlook information on U.S. citrus can be obtained from the USDA-Economic Research Service at: <http://www.ers.usda.gov/topics/crops/fruit-tree-nuts.aspx>.

Future Releases and Contact Information

Please visit <http://www.fas.usda.gov/data/citrus-world-markets-and-trade> to view archived and future releases. The next release of this circular is scheduled for January 2019.

To receive the circular via email, go to: <https://public.govdelivery.com/accounts/USDAFAS/subscriber/new>.

Oranges, Fresh: Production, Supply and Distribution in Selected Countries

(1,000 Metric Tons)

	2013/14	2014/15	2015/16	2016/17	Jan 2017/18	Jul 2017/18
Production						
Brazil	17,870	16,714	14,414	20,890	17,340	16,034
China	7,600	6,600	6,900	7,000	7,300	7,300
European Union	6,550	5,954	6,038	6,778	6,258	6,420
Mexico	4,533	4,515	4,603	4,640	4,600	4,600
United States	6,140	5,763	5,523	4,616	3,618	3,504
Egypt	2,570	2,635	2,930	3,000	3,180	3,180
Turkey	1,700	1,650	1,800	1,850	1,905	1,905
South Africa	1,723	1,645	1,275	1,363	1,430	1,470
Morocco	1,001	868	925	1,037	935	1,025
Vietnam	590	566	637	635	635	635
Australia	430	430	455	480	480	480
Argentina	800	800	800	700	850	450
Costa Rica	315	220	335	322	325	325
Guatemala	154	161	177	175	175	175
Israel	69	86	86	81	90	90
Other	191	145	159	161	161	161
Total	52,236	48,752	47,057	53,728	49,282	47,754
Fresh Dom. Consumption						
China	6,865	6,043	6,446	6,718	7,070	7,075
European Union	5,549	5,333	5,407	5,990	5,631	5,810
Brazil	6,036	5,196	4,940	4,759	5,010	4,932
Mexico	3,312	2,947	2,929	2,873	2,852	2,832
Egypt	1,385	1,350	1,380	1,380	1,480	1,480
Turkey	1,284	1,310	1,366	1,402	1,450	1,375
United States	1,357	1,263	1,346	1,235	1,008	1,139
Morocco	820	688	811	822	800	810
Vietnam	661	602	695	678	680	677
Russia	467	438	470	425	436	450
Saudi Arabia	274	384	371	357	350	350
Iraq	305	247	262	258	260	285
Argentina	524	450	469	350	490	260
Australia	206	175	235	250	210	245
Guatemala	185	185	211	211	210	210
Other	1,618	1,562	1,702	1,574	1,432	1,618
Total	30,848	28,173	29,040	29,282	29,369	29,548
For Processing						
Brazil	11,832	11,506	9,466	16,116	12,322	11,098
United States	4,420	4,133	3,684	2,950	2,290	2,070
Mexico	1,200	1,550	1,650	1,710	1,700	1,700
European Union	1,474	1,251	1,286	1,490	1,322	1,385
China	715	650	600	580	570	570
Costa Rica	208	125	230	237	240	239
South Africa	471	403	142	123	185	188
Argentina	200	278	270	273	280	153
Egypt	85	85	100	100	100	100
Turkey	100	80	100	100	98	98
Other	200	200	129	141	135	150
Total	20,905	20,261	17,657	23,820	19,242	17,751

Split years refer to the harvest and marketing period, which corresponds roughly to November-October in the Northern Hemisphere.

For the Southern Hemisphere, harvest occurs almost entirely during the second year shown and the harvest and marketing period begins in the second year shown:

Argentina - January through December
 South Africa - February through January
 Australia - April through March
 Brazil - July through June.

Import and export totals may not equal due in part to different marketing years such as those listed above.

Oranges, Fresh: Production, Supply and Distribution in Selected Countries (Continued)

(1,000 Metric Tons)

	2013/14	2014/15	2015/16	2016/17	Jan 2017/18	Jul 2017/18
Exports						
Egypt	1,100	1,200	1,450	1,520	1,600	1,600
South Africa	1,144	1,160	1,064	1,171	1,180	1,220
United States	506	522	657	613	520	505
Turkey	349	305	371	397	405	465
European Union	346	297	319	293	295	315
Australia	126	156	161	191	230	195
Hong Kong	49	74	107	176	160	170
Morocco	111	130	89	165	100	165
Mexico	47	44	56	76	80	82
China	108	53	74	59	60	55
Argentina	76	72	65	80	80	40
Brazil	19	30	26	35	24	24
Israel	6	6	6	5	5	5
Russia	2	2	3	5	4	5
Singapore	9	8	8	6	6	5
Other	3	2	2	4	4	4
Total	4,001	4,061	4,458	4,796	4,753	4,855
Imports						
European Union	819	927	974	995	990	1,090
Russia	469	440	473	430	440	455
China	88	146	220	357	400	400
Saudi Arabia	274	384	371	357	350	350
Hong Kong	230	256	286	315	300	340
Iraq	189	180	189	183	185	210
United States	143	155	164	182	200	210
United Arab Emirates	220	230	219	202	210	200
Canada	183	190	204	183	190	190
Bangladesh	95	97	155	147	nr	160
Korea, South	100	111	154	143	130	140
Malaysia	100	102	101	98	100	95
Japan	87	83	100	92	89	88
Ukraine	106	69	76	73	75	85
Switzerland	63	67	71	68	70	70
Costa Rica	56	35	52	70	65	60
Vietnam	71	36	58	43	45	42
Singapore	48	46	44	42	42	40
Guatemala	31	24	34	36	35	35
Norway	34	36	38	35	35	35
Turkey	33	45	37	49	48	33
Australia	16	16	18	21	20	20
Brazil	17	18	18	20	16	20
Mexico	26	26	32	19	32	14
South Africa	13	13	1	2	10	10
Other	7	11	9	8	5	8
Total	3,518	3,743	4,098	4,170	4,082	4,400

Split years refer to the harvest and marketing period, which corresponds roughly to November-October in the Northern Hemisphere.

For the Southern Hemisphere, harvest occurs almost entirely during the second year shown and the harvest and marketing period begins in the second year shown:

Argentina - January through December
 South Africa - February through January
 Australia - April through March
 Brazil - July through June.

Import and export totals may not equal due in part to different marketing years such as those listed above.

Orange Juice: Production, Supply and Distribution in Selected Countries

(1,000 Metric Tons at 65 Degrees Brix)

	2013/14	2014/15	2015/16	2016/17	Jan 2017/18	Jul 2017/18
Production						
Brazil	1,230	1,006	859	1,447	1,152	1,032
United States	476	425	361	303	215	205
Mexico	126	159	166	171	171	171
European Union	114	97	100	116	102	107
China	55	50	46	45	44	44
South Africa	48	55	21	19	26	30
Turkey	9	8	9	9	9	9
Other	25	31	13	16	15	16
Total	2,084	1,830	1,574	2,125	1,733	1,614
Domestic Consumption						
European Union	799	937	826	741	717	717
United States	700	663	631	579	510	568
China	111	99	83	97	96	96
Canada	94	87	93	86	82	84
Japan	68	80	78	72	70	70
Brazil	35	35	38	38	40	40
Australia	40	40	40	38	38	38
Other	112	100	90	83	81	78
Total	1,960	2,040	1,879	1,735	1,634	1,692
Ending Stocks						
United States	347	358	302	270	260	285
Brazil	329	147	6	160	60	45
European Union	15	15	15	15	15	15
Japan	11	18	13	12	10	10
Korea, South	1	3	5	5	6	6
Other	30	32	13	4	5	4
Total	733	572	353	466	357	365
Exports						
Brazil	1,200	1,153	962	1,255	1,137	1,107
Mexico	121	153	158	163	164	164
European Union	57	50	52	63	65	65
United States	113	81	66	57	45	32
South Africa	31	45	35	28	26	29
Other	30	32	32	32	32	30
Total	1,552	1,514	1,305	1,598	1,468	1,427
Imports						
European Union	742	890	778	689	680	675
United States	300	330	280	301	330	410
Canada	98	91	97	90	85	85
Japan	63	86	73	71	68	68
China	57	49	40	55	55	55
Russia	45	38	37	35	35	32
Australia	32	32	32	32	32	32
Other	53	47	54	47	48	48
Total	1,391	1,563	1,391	1,320	1,332	1,404

For 2007/08 and after, one metric ton of 65 degrees brix equals 344.8 gallons at 42 degrees brix and 1,392.6 gallons at single strength equivalent. One metric ton of 65 degrees brix equals 344.8 gallons at 42 degrees brix and 1,405.88 gallons at single strength equivalent for 2006/2007 and earlier.

Split years refer to the harvest and marketing period, which corresponds roughly to October-September in the Northern Hemisphere.

For the Southern Hemisphere, harvest occurs almost entirely during the second year shown and the harvest and marketing period begins in the second year shown:

South Africa - February through January

Australia - April through March

Brazil - July through June

Import and export totals may not equal due in part to different marketing years such as those listed above.

Tangerines/Mandarins, Fresh: Production, Supply and Distribution in Selected Countries

(1,000 Metric Tons)

	2013/14	2014/15	2015/16	2016/17	Jan 2017/18	Jul 2017/18
Production						
China	17,850	19,400	20,200	20,600	21,200	21,200
European Union	3,213	3,474	3,086	3,421	2,975	3,077
Turkey	880	960	1,040	1,300	1,310	1,310
Morocco	1,160	1,003	1,065	1,278	1,020	1,200
Japan	1,124	1,040	933	1,070	990	990
United States	700	810	861	937	799	758
Korea, South	672	697	635	600	560	560
Israel	139	205	190	243	265	265
South Africa	195	203	226	261	230	255
Argentina	370	350	350	320	400	250
Other	171	152	154	153	153	153
Total	26,474	28,294	28,740	30,183	29,902	30,018
Fresh Dom. Consumption						
China	16,524	18,053	18,910	19,413	20,060	20,072
European Union	2,848	3,206	2,988	3,265	2,905	3,010
Japan	1,041	959	860	989	918	916
Russia	852	782	724	842	790	850
United States	720	759	769	867	779	838
Morocco	659	656	599	762	600	662
Turkey	364	368	487	614	634	595
Other	1,839	1,743	1,714	1,687	1,654	1,644
Total	24,847	26,526	27,051	28,439	28,340	28,587
For Processing						
China	600	630	660	650	640	643
European Union	385	348	271	372	270	322
United States	131	221	288	308	270	185
Japan	90	90	87	98	91	91
Argentina	82	97	110	110	155	75
Israel	24	45	40	55	55	55
Korea, South	93	159	85	56	50	50
Other	20	24	12	25	24	9
Total	1,425	1,614	1,553	1,674	1,555	1,430
Exports						
Turkey	532	610	575	710	700	740
China	744	736	658	587	550	540
Morocco	501	347	466	516	420	538
South Africa	153	157	190	210	180	230
European Union	349	287	250	236	250	215
Israel	78	93	87	120	140	140
United States	31	42	36	36	30	35
Other	95	59	56	45	49	29
Total	2,483	2,331	2,318	2,460	2,319	2,467
Imports						
Russia	852	782	724	842	790	850
European Union	369	367	423	452	450	470
United States	182	212	232	274	280	300
Canada	117	141	146	154	145	155
Ukraine	202	125	126	138	140	155
Vietnam	149	158	116	118	110	135
Thailand	139	130	149	116	105	95
Philippines	51	54	68	68	70	80
Malaysia	65	70	69	64	60	65
Indonesia	109	87	60	69	65	60
Other	46	51	69	95	97	101
Total	2,281	2,177	2,182	2,390	2,312	2,466

Split years refer to the harvest and marketing period, which corresponds roughly to October-September in the Northern Hemisphere and April-March in the Southern Hemisphere. For the Southern Hemisphere, harvest occurs almost entirely during the second year shown.

Import and export totals may not equal due in part to different marketing years such as those listed above.

Grapefruit, Fresh: Production, Supply and Distribution in Selected Countries

(1,000 Metric Tons)

	2013/14	2014/15	2015/16	2016/17	Jan 2017/18	Jul 2017/18
Production						
China	3,717	4,050	4,350	4,600	4,800	4,800
United States	950	826	728	633	481	469
Mexico	424	424	438	444	440	440
South Africa	413	387	315	354	400	370
Turkey	235	238	250	253	265	265
Israel	236	186	163	149	150	150
European Union	92	109	107	107	88	112
Other	0	26	25	25	24	24
Total	6,067	6,246	6,376	6,565	6,648	6,630
Fresh Dom. Consumption						
China	3,578	3,957	4,224	4,460	4,640	4,644
European Union	417	415	438	399	409	426
Mexico	328	323	331	336	335	330
United States	346	325	287	281	251	234
Russia	133	101	117	106	105	130
Japan	109	125	105	106	92	96
Turkey	63	96	62	131	62	77
Canada	42	40	39	37	38	33
Ukraine	27	15	18	15	16	25
Israel	24	8	10	8	8	8
Other	20	17	17	18	19	21
Total	5,087	5,422	5,648	5,897	5,975	6,024
For Processing						
United States	470	370	333	269	195	200
South Africa	203	168	111	118	147	127
Mexico	84	84	87	88	87	87
Israel	134	117	92	80	79	79
European Union	16	18	20	19	14	19
Other	0	1	1	1	1	1
Total	907	758	644	575	523	513
Exports						
South Africa	217	221	203	231	250	240
China	165	124	159	180	200	200
Turkey	177	145	190	125	205	190
Israel	78	61	61	61	63	63
United States	147	141	124	108	60	58
Mexico	14	19	22	21	20	25
European Union	19	15	14	15	15	17
Other	8	10	12	17	17	19
Total	825	736	785	758	830	812
Imports						
European Union	360	339	365	326	350	350
Russia	133	101	117	106	105	130
Japan	109	100	82	84	71	75
China	26	31	33	40	40	44
Canada	42	40	39	37	38	33
Ukraine	27	15	18	15	16	25
Hong Kong	16	15	16	20	20	24
United States	13	10	16	25	25	23
Switzerland	7	7	7	7	7	7
South Africa	12	7	4	1	4	4
Other	7	5	4	4	4	4
Total	752	670	701	665	680	719

Split years refer to the harvest and marketing period, which corresponds roughly to October-September in the Northern Hemisphere and April-March in the Southern Hemisphere. For the Southern Hemisphere, harvest occurs almost entirely during the second year shown.

Import and export totals may not equal due in part to different marketing years such as those listed above.

Lemons and Limes, Fresh: Production, Supply and Distribution in Selected Countries

(1,000 Metric Tons)

	2013/14	2014/15	2015/16	2016/17	Jan 2017/18	Jul 2017/18
Production						
Mexico	2,187	2,326	2,416	2,500	2,580	2,580
Argentina	780	1,450	1,350	1,450	1,400	1,550
European Union	1,308	1,597	1,333	1,536	1,515	1,484
United States	748	820	820	804	789	791
Turkey	760	725	670	750	675	675
South Africa	312	339	308	430	420	460
Israel	64	65	60	67	70	70
Other	55	83	88	94	77	76
Total	6,214	7,405	7,045	7,631	7,526	7,686
Fresh Dom. Consumption						
European Union	1,275	1,537	1,582	1,693	1,650	1,644
Mexico	1,332	1,358	1,383	1,384	1,414	1,430
United States	926	1,004	1,135	1,231	1,229	1,247
Russia	209	206	184	210	222	227
Turkey	277	238	200	219	199	158
Saudi Arabia	85	103	121	128	135	140
Argentina	60	70	70	90	70	101
Canada	99	87	102	96	100	100
United Arab Emirates	87	96	92	89	92	96
Japan	58	75	74	75	69	67
Other	189	172	158	178	185	184
Total	4,597	4,946	5,101	5,393	5,365	5,394
For Processing						
Argentina	570	1,195	1,004	1,122	1,080	1,180
Mexico	339	360	374	388	399	403
European Union	312	353	243	284	285	285
United States	176	265	190	159	155	156
South Africa	80	79	56	115	93	114
Japan	3	27	29	31	25	25
Israel	3	2	2	4	2	2
Other	60	57	40	40	0	0
Total	1,543	2,338	1,938	2,143	2,039	2,165
Exports						
Mexico	519	610	662	731	770	750
Turkey	426	433	434	495	480	520
South Africa	220	246	237	299	310	330
Argentina	150	185	279	241	250	270
United States	127	114	110	112	105	103
European Union	101	106	69	79	80	75
Hong Kong	33	18	17	20	20	20
Other	15	11	14	19	15	15
Total	1,591	1,723	1,822	1,996	2,030	2,083
Imports						
United States	481	563	615	698	700	715
European Union	380	399	561	520	500	520
Russia	209	207	186	213	225	230
Saudi Arabia	85	103	121	128	135	140
Canada	99	87	102	96	100	100
United Arab Emirates	85	94	91	88	90	95
Japan	51	51	51	53	55	53
Ukraine	54	44	41	47	50	50
Hong Kong	66	48	37	47	45	45
Mexico	3	2	3	3	3	3
Other	4	4	8	8	5	5
Total	1,517	1,602	1,816	1,901	1,908	1,956

Split years refer to the harvest and marketing period, which corresponds roughly to October-September in the Northern Hemisphere. For the Southern Hemisphere, harvest occurs January - December of the second year shown.

Import and export totals may not equal due in part to different marketing years such as those listed above.