



ESTACIÓN EXPERIMENTAL
AGROINDUSTRIAL
OBISPO COLOMBRES
Tucumán | Argentina



The Citrus Industry In Argentina

Citrus Technical Forum
Adelaide, March 6-7, 2019

Ing. Agr. Beatriz Stein
Tucuman, Argentina





World fresh citrus production 2017

China

Brazil

EE UU

México

Spain

Egypt

Turkey

Argentina

South Africa

Italy

100 million tons

Federcitrus, 2018



Citrus production in South hemisphere

South Hemisphere (thous ton)	
Brazil	20.400
Argentina	3.273
South Africa	2.734
Peru	1.096
Australia	674
Chile	491
Uruguay	264

28.932

North hemisphere 75%
South hemisphere 25%

Federcitrus, 2018



Argentina in the world citrus production, fresh fruit export and processing 2016 -2017

Citrus Specie	Argentina / World %		
	Production	Export	Processing
Lemon	28	17,2	58
Tangerine	1,9	6	1,8
Orange	1,7	4,3	0,4
Grapefruit	3,4	1,3	7,2

Federcitrus, 2018



Argentina in the South Hemisphere Fresh fruit Production and Exports 2016 - 2017

	Production Argentina / SH %	Exports Argentina/ SH %
Lemon	65,0	39,1
Tangerine	29,6	6,7
Orange	26,5	5,3
Grapefruit	26,7	0,3



Citrus Industry in Argentina 2017

Area	135.500 ha	
Production	3.270.000 ton	
Growers	5.300	
Packinghouse	330	(75 export)
Processing plants	22	
Labor	90.000	

Value: 1.178 million USD
Fresh and processing

Federcitrus, 2018



Citrus producing areas in Argentina

Area

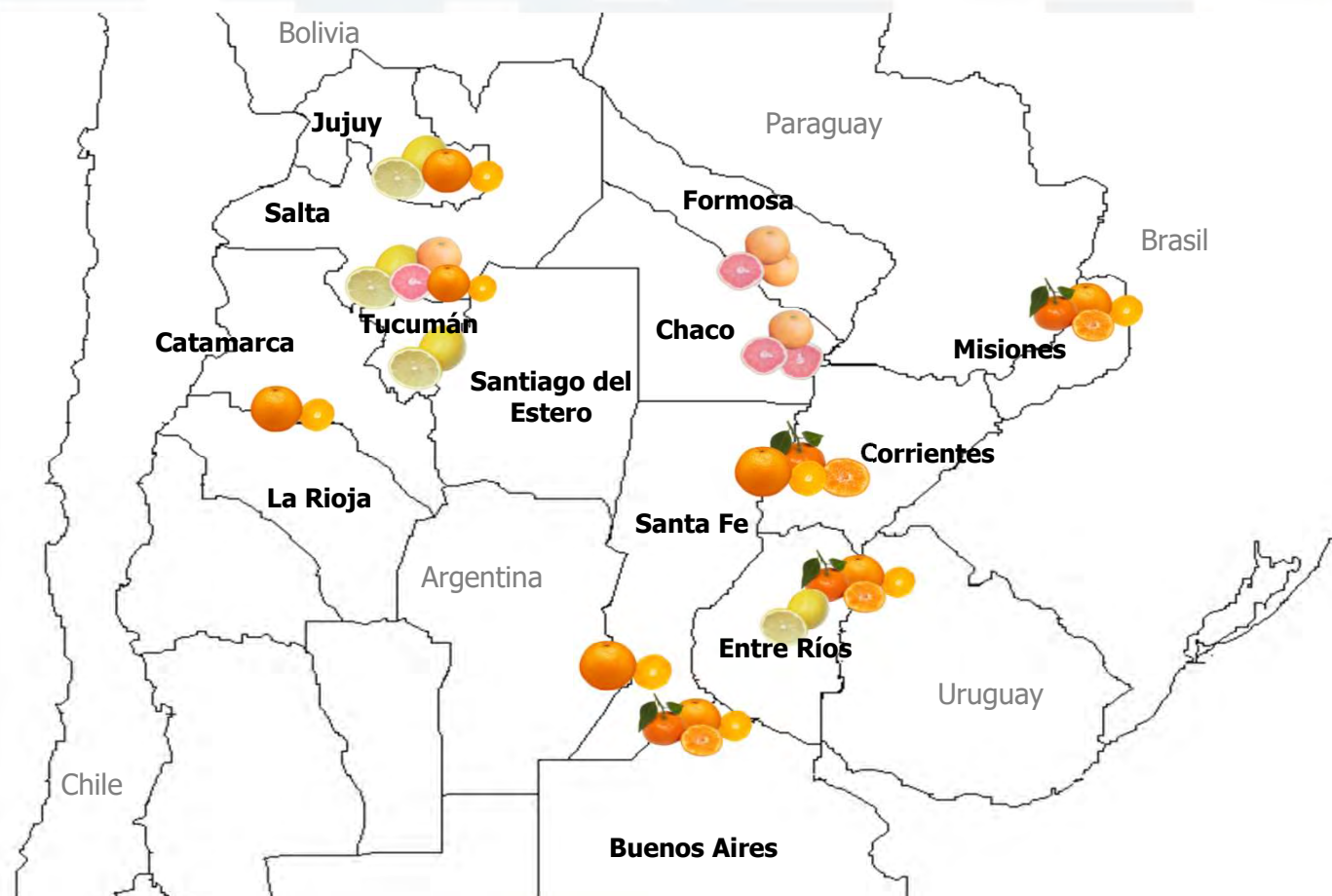
Northeast 55%

Northwest 45%

Production

Northeast 38%

Northwest 62%





Citrus area and production in Argentina 2017

Citrus Specie	Area (ha)	Production (ton)
Lemon	53.900	1.675.000
Orange	46.800	1.025.000
Tangerine	29.500	460.000
Grapefruit	4.800	110.000
Total	135.000	3.270.000

Federcitrus, 2018



Argentina citrus area in 10 years

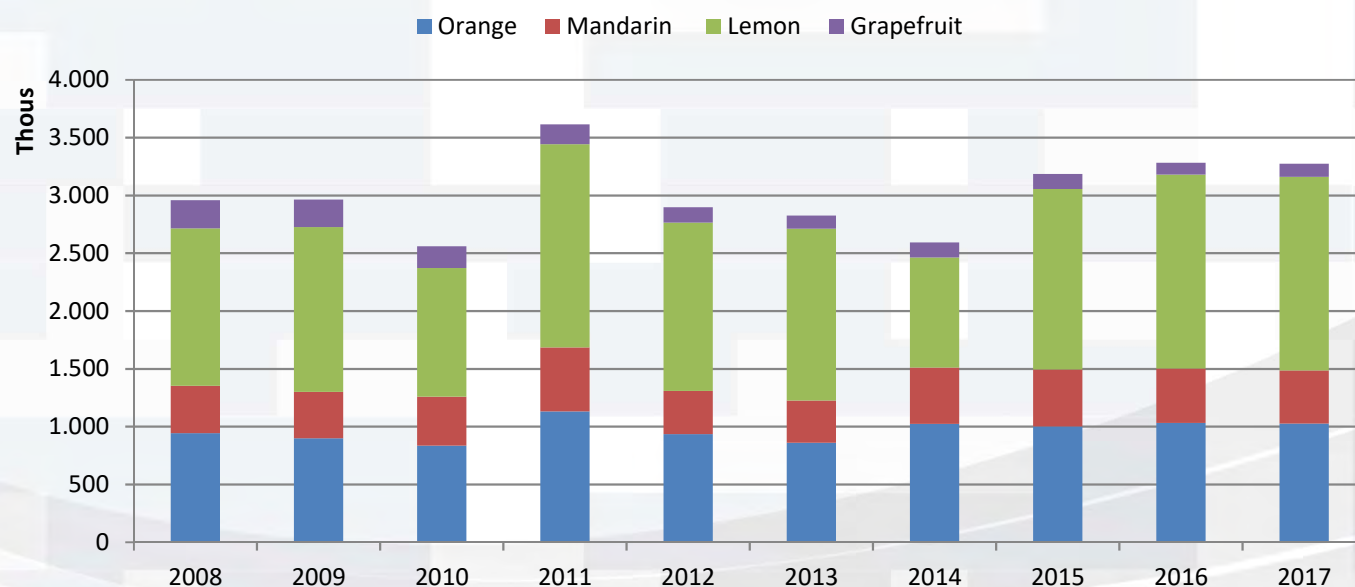
	Area (ha)		Change
	2008	2017	
Grapefruit	48.400	46.800	- 50%
Mandarin	35.700	29.500	- 17%
Orange	48.400	46.800	- 3%
Lemon	43.800	53.900	+ 23%

Federcitrus 2008, 2018



Argentina Citrus Production 2008 – 2017

(metric tons)



Federcitrus 2018



World lemon production 2016 - 17

TOTAL 6.130.000 Ton

Argentina	1.500.000	24%
Spain	950.000	16%
USA	749.000	12%
Turkey	747.000	12%
Italy	490.000	8%
South Africa	355.000	6%



Argentina Lemon Production by province

Province	Lemon production %
Tucumán	80
Salta	14
Jujuy	3

Northwest citrus region



Distribution of lemon production





Citrus industry in northwest Argentina

13 processing plants

35 Packinghouse

U\$D 700 millions

50.000 labor



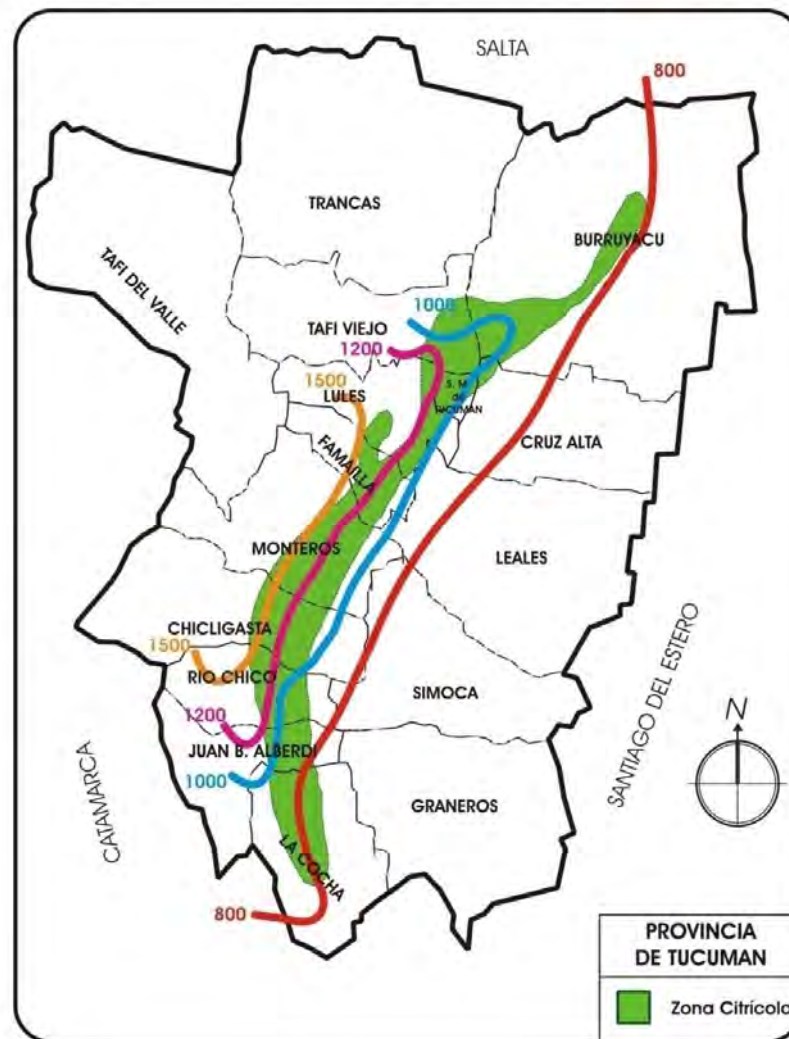


Argentina fresh citrus exports by specie 2016 - 2017

	Fresh fruit export (Ton)
Lemon	235.000
Orange	79.000
Tangerine	40.000
Grapefruit	700
	354.700



Citrus area in Tucumán





Main lemon producing areas in the world

	<u>Latitude</u>	<u>Altitude</u> (m.a.s.l.)
Murcia (Spain)	37° a 38° N	200
Sicilia (Italy)	37° a 38° N	50
California (USA)	34° a 35° N	20
Mersin (Turkey)	34° a 36° N	22
Tucumán (Argentina)	26° a 28° S	300-700





Lemon cultivars in use in Tucuman

Frost Eureka

Frost Lisbon

Limoneira 8A Lisbon

Genova EEAT

Femminello Santa Teresa



Rootstocks for lemon in Tucuman

- Swingle citrumelo
- Flying Dragon trifoliolate
- C35
- Benton citrange
- Troyer citrange
- Carrizo citrange
- X 639
- Cleopatra mandarin
- Rangpur lime
- Sour orange
- Volkamer lemon
- 61AA3
- 75 AB
- 79 AC
- 81 G 220 and 513





Other countries South Hemisphere Fresh citrus export



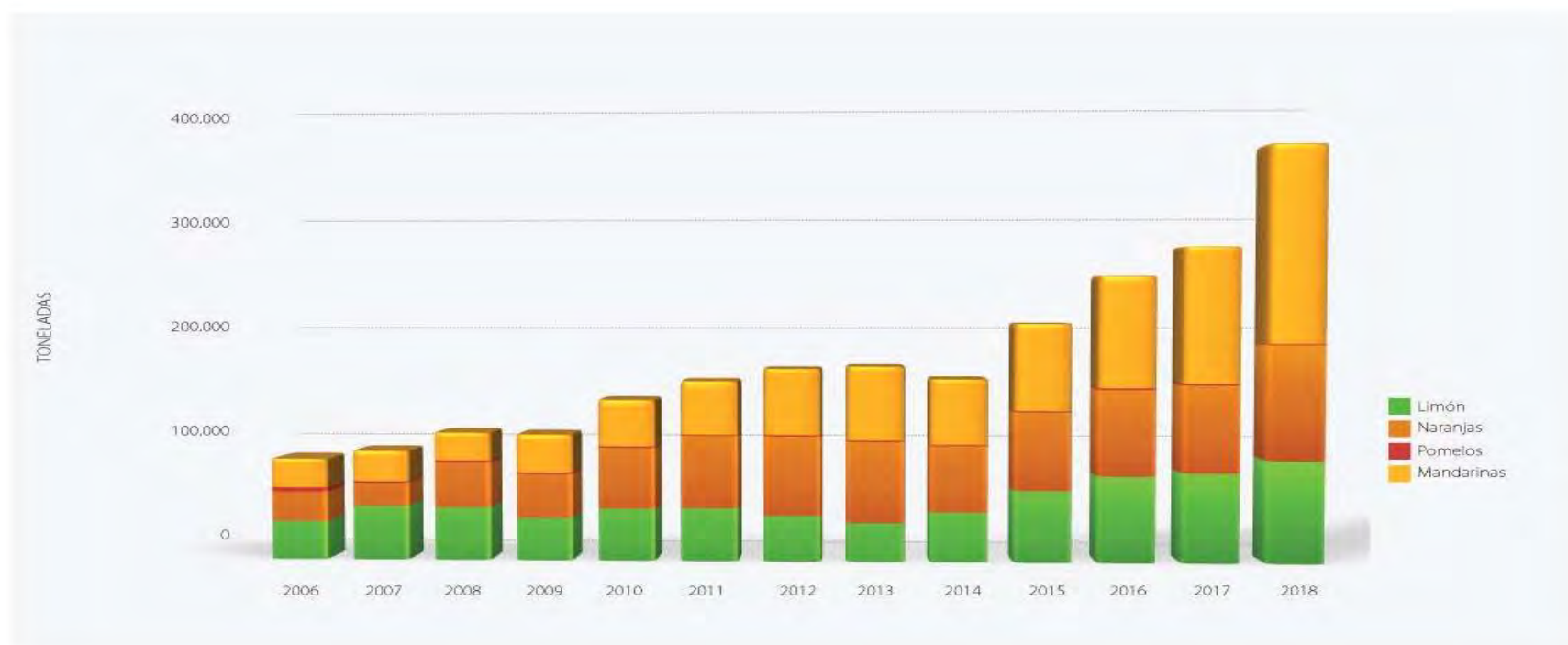


Main fresh citrus exports countries 2016-17

	Thous tons
Spain	3.622
South Africa	1.692
Turkey	1.724
USA	1.350
China	872
Egypt	819
Mexico	744
Morocco	610
Greece	589
Argentina	395



Chile total citrus exports

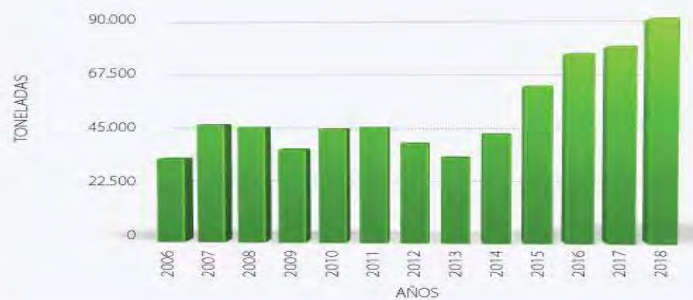


Source: Comité de cítricos de Chile

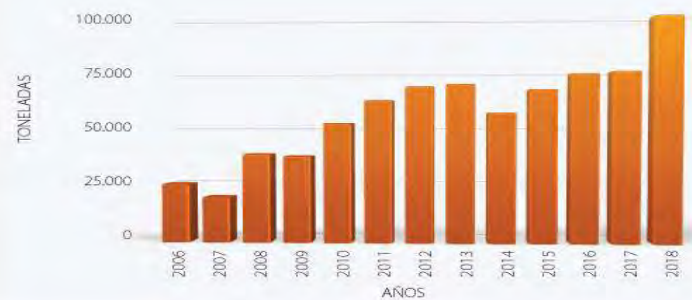


Chile exports by citrus specie

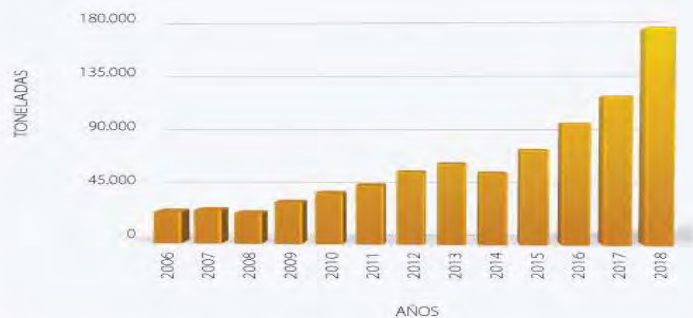
Limonos



Naranjas



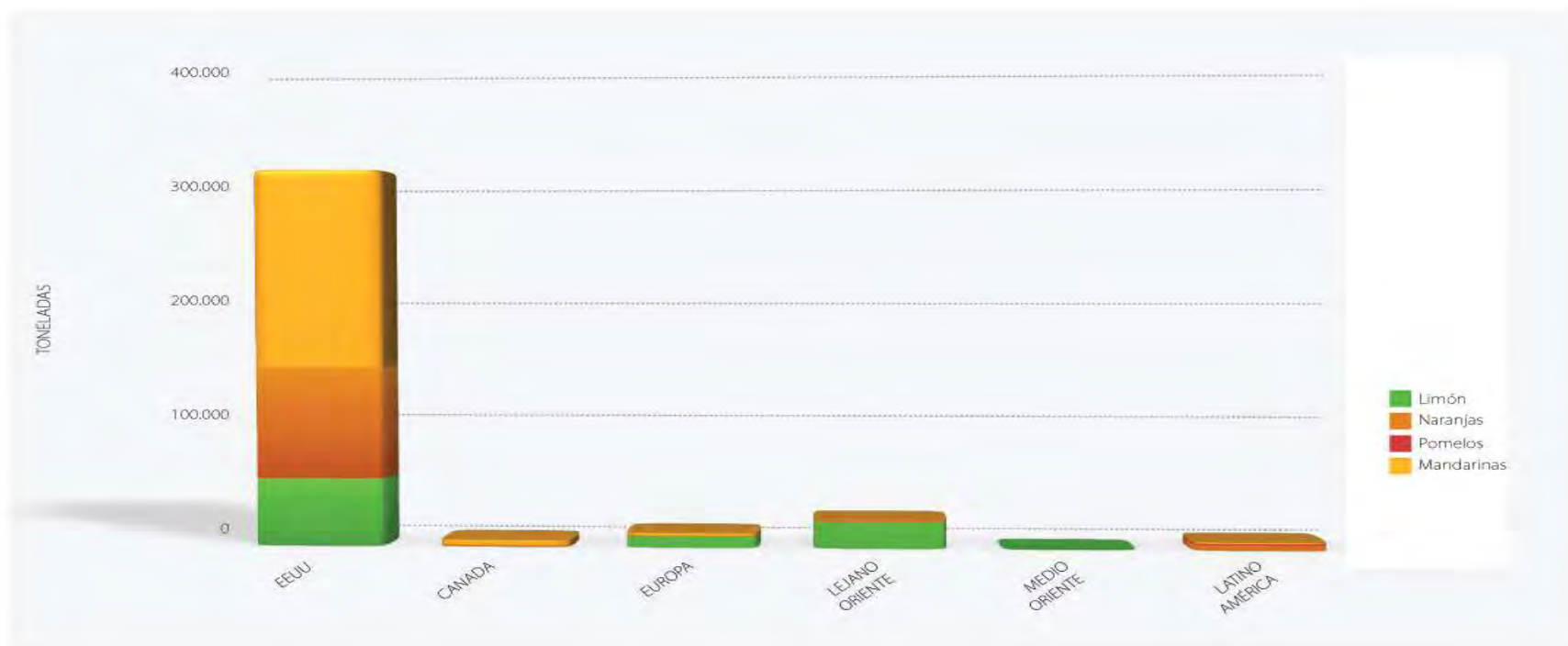
Mandarinas



Source: Comité de cítricos de Chile



Chile major destination of citrus exports

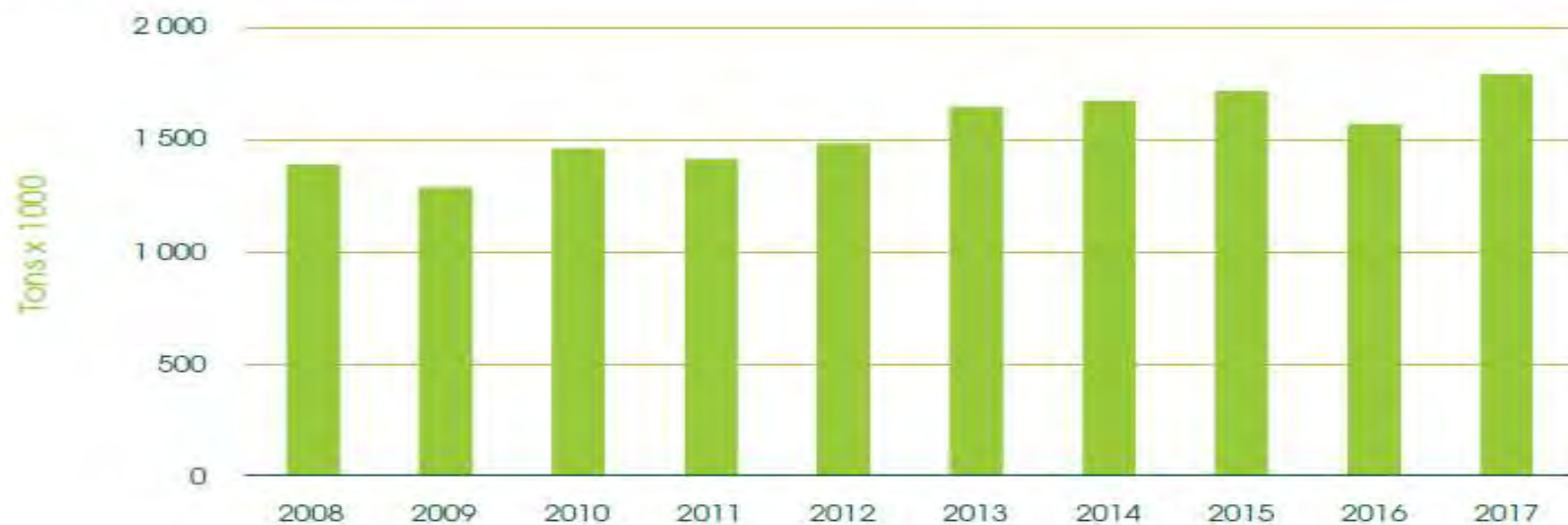


Source: Comité de cítricos de Chile



South Africa total citrus exports

TOTAL CITRUS EXPORTS

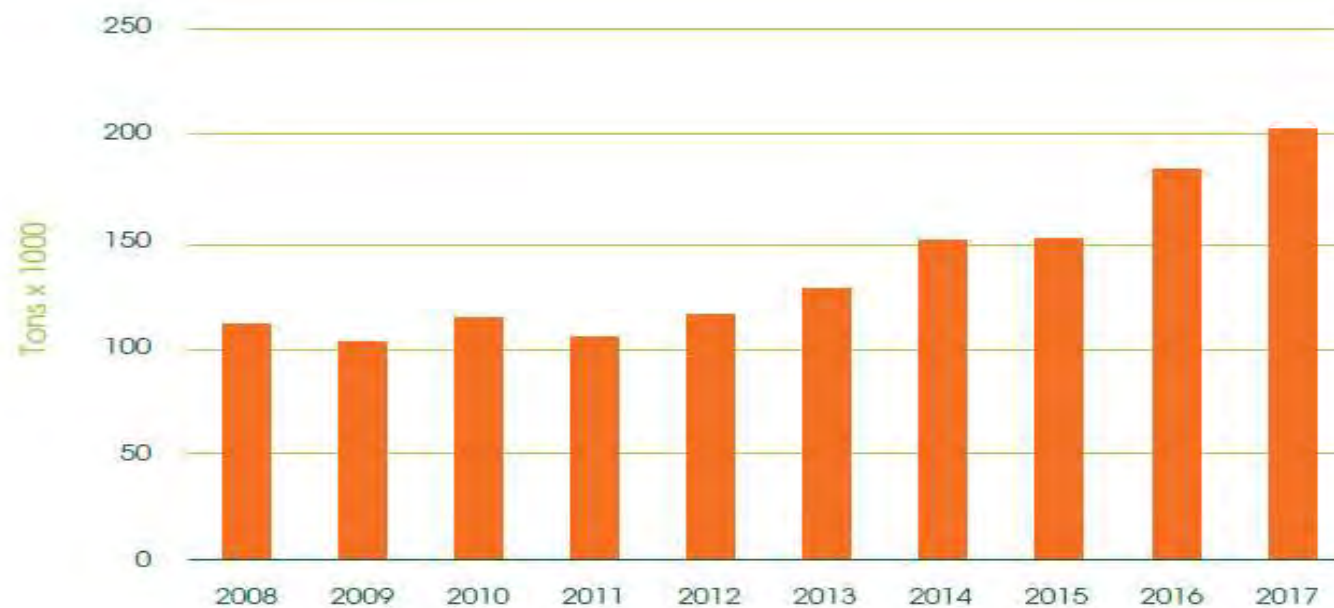


Source:CGA Stats Book 2018



South Africa soft citrus exports

SOFT CITRUS EXPORTS

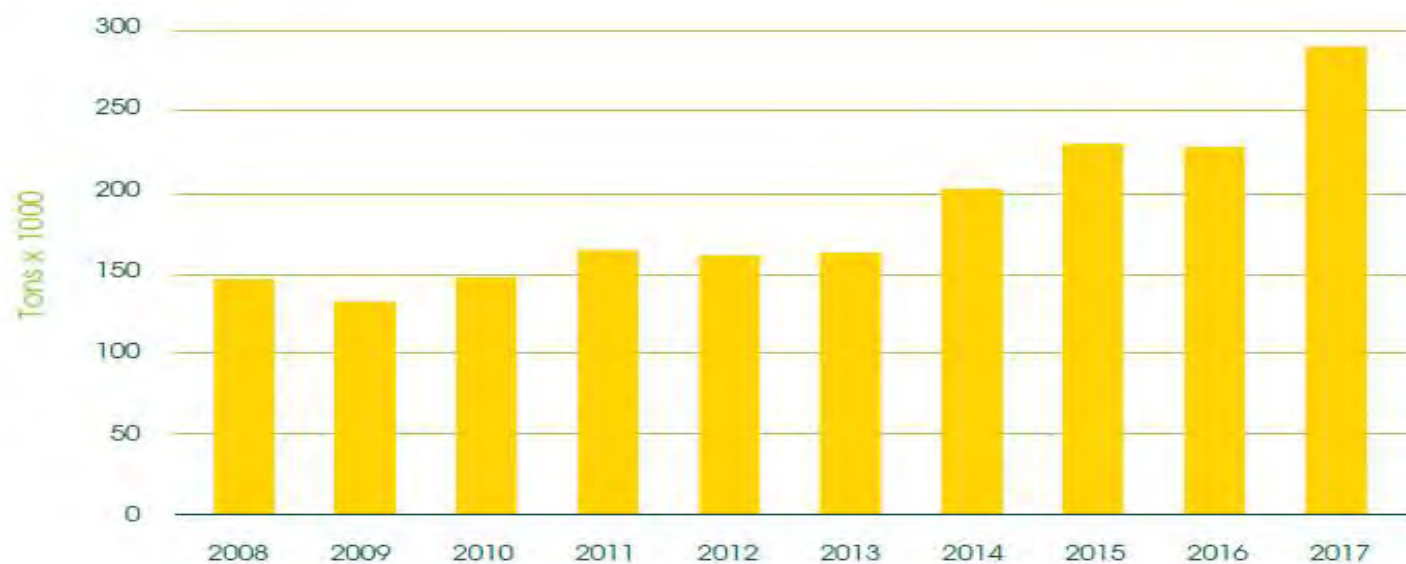


Source: CGA Stats Book 2018



South Africa lemon exports

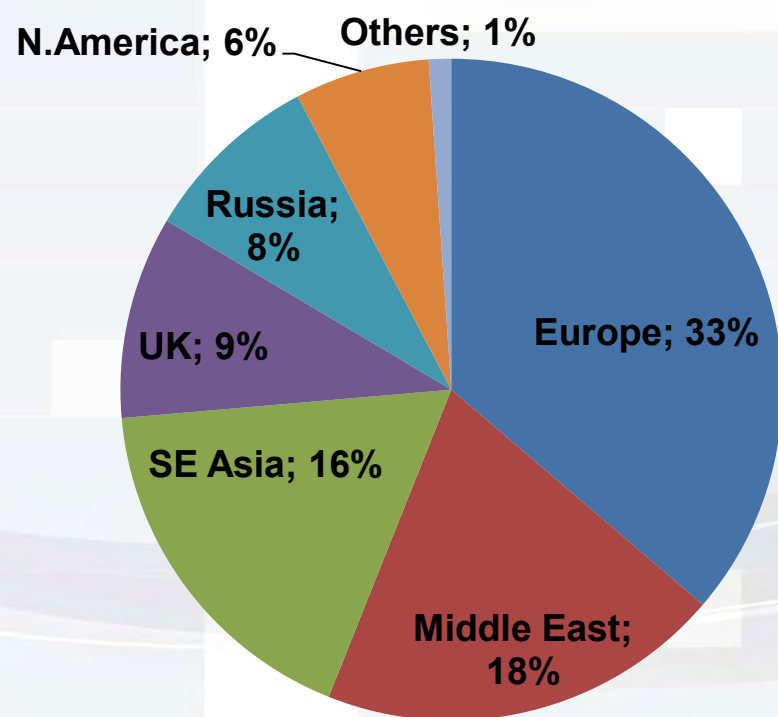
LEMON EXPORTS



Source:CGA Stats Book 2018



South Africa major destination of citrus exports



Source:CGA Stats Book 2018



Peru fresh citrus exports

In 8 years increase 2.7 times

2010

68.000 ton

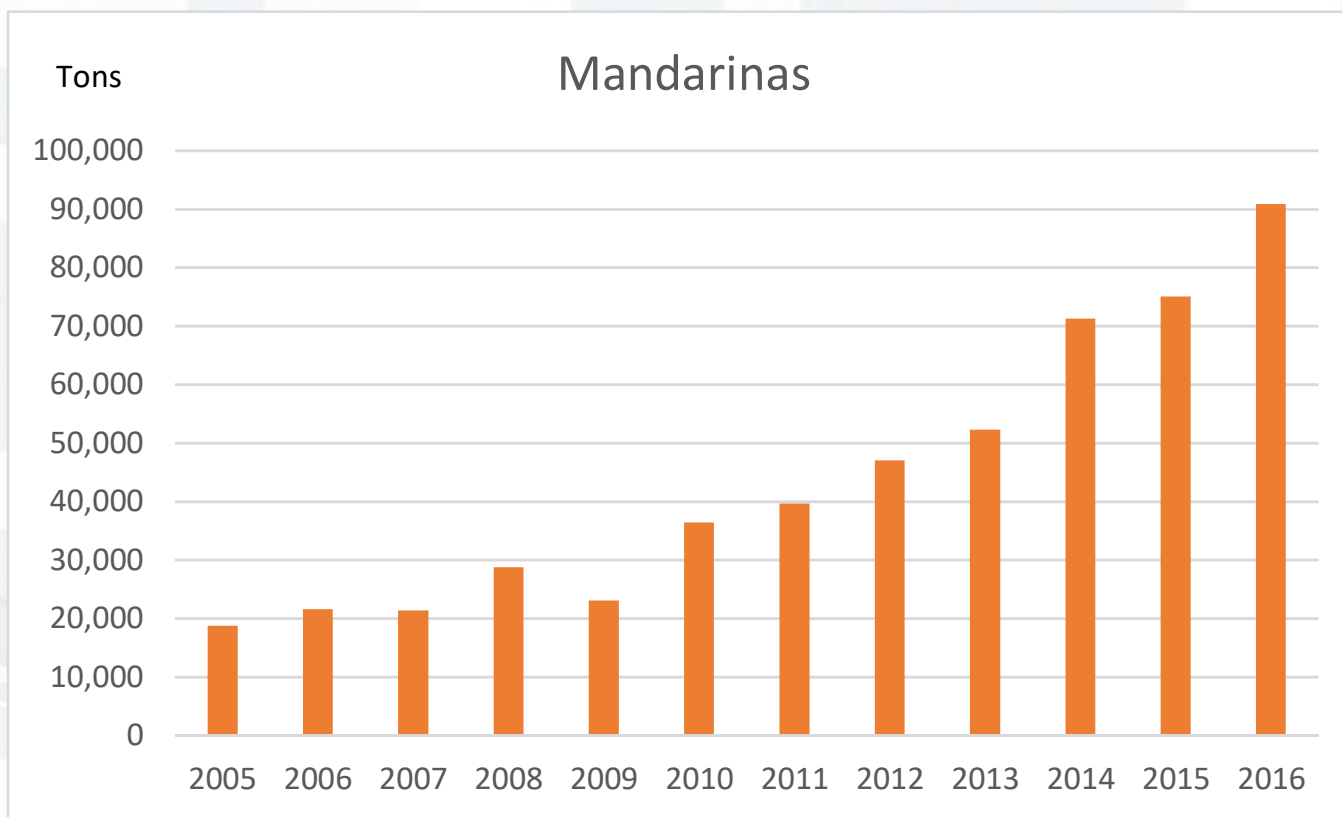
2018

186.555 ton



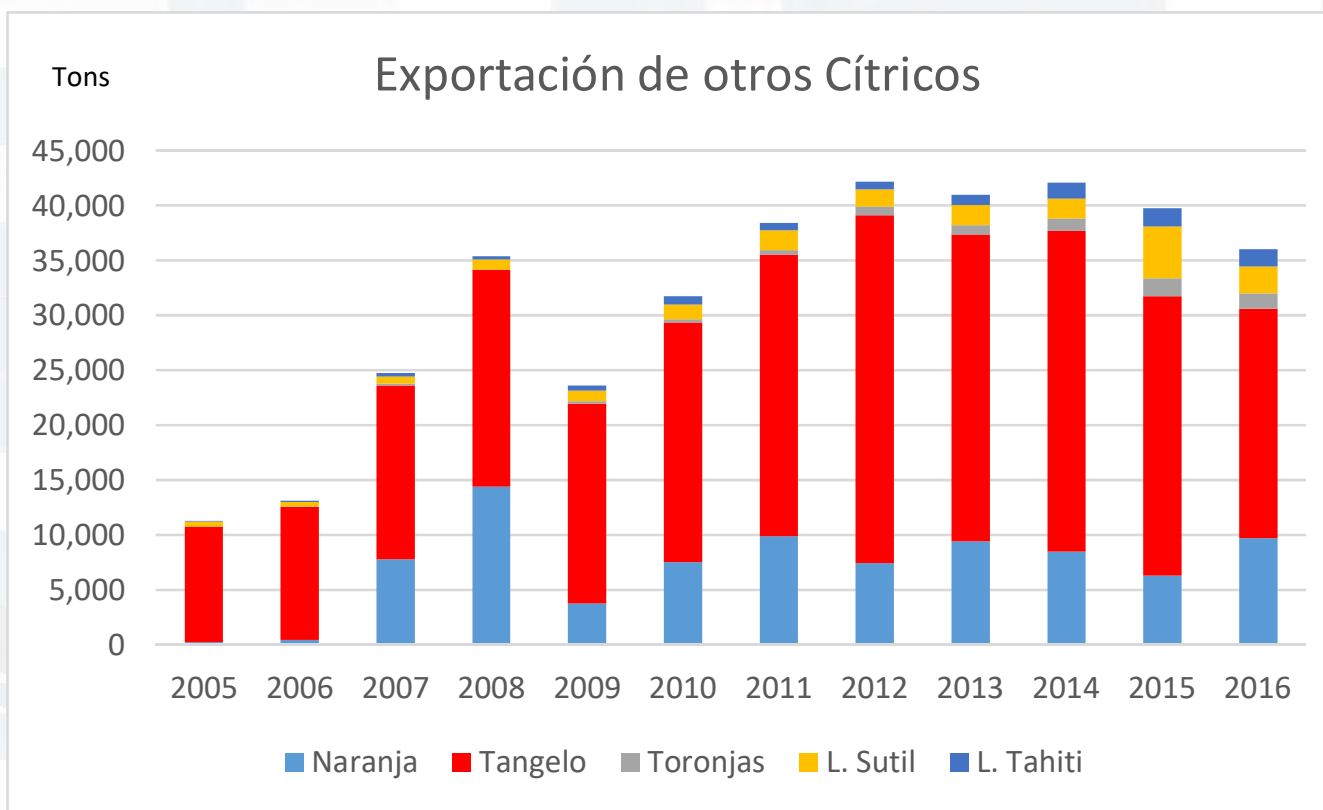


Peru mandarin exports



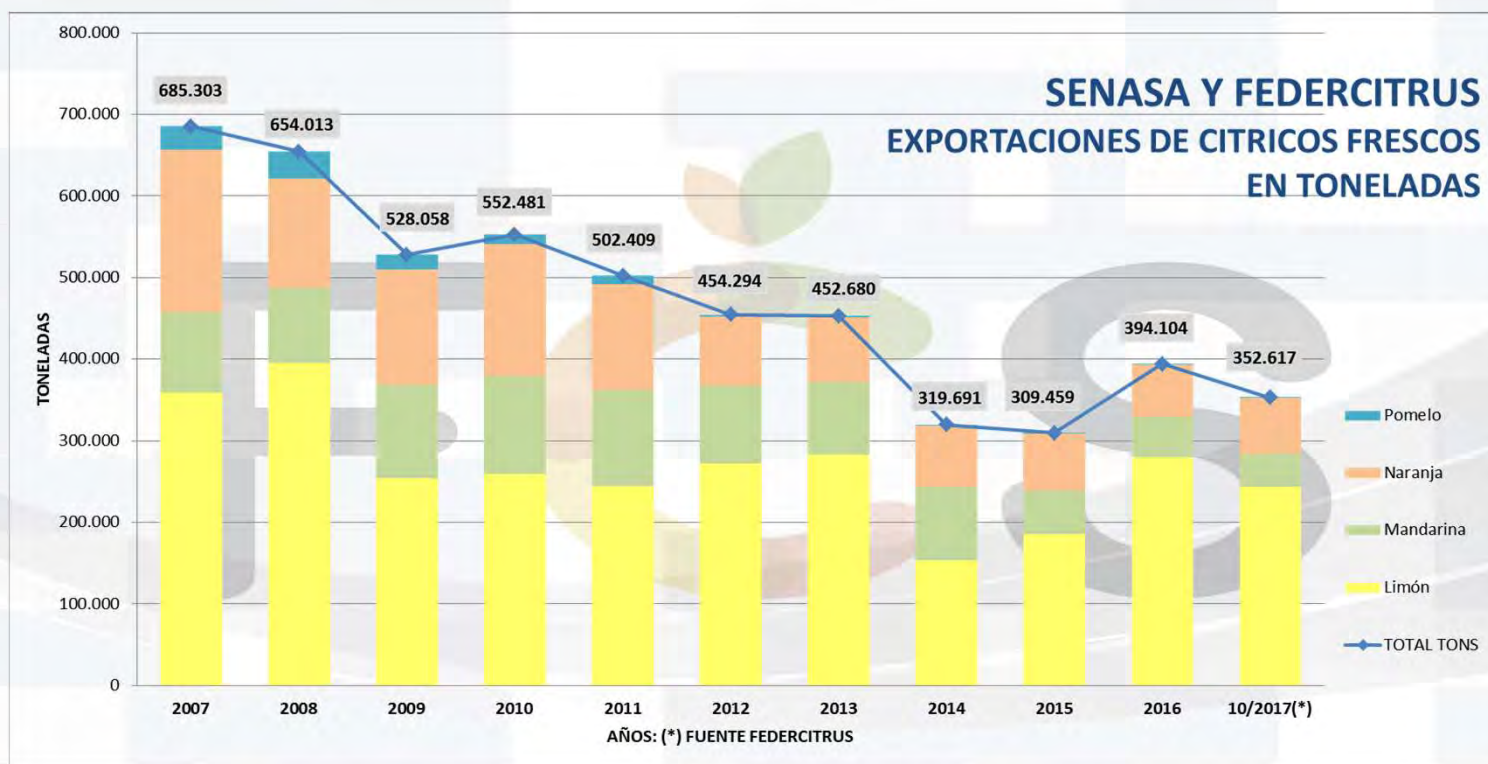


Peru other citrus exports





Argentina fresh citrus export 2007 - 2017





Argentina: Destination for fresh citrus fruit exports

	%
European Union	52
Russia	18
East Europe	7
Pacific	4.6
North America Canada	4.8
Arabian countries	1.3



Estimated fresh fruits production and exports in some countries of South hemisphere next years

South Africa ↑

Chile ↑

Peru ↑

Argentina →





Young lemon trees
Tucuman,
Argentina



Young lemon trees
Tucuman, Argentina

Lemon orchards, Tucuman,
Argentina







USA, may 2018



USA, ma





Thanks for your attention

Ing. Agr. Beatriz Stein
Bstein@sinectis.com.ar
EEAOC – www.eeaoc.org.ar