





Argentina





LOCATION

22° | 55° SOUTH LATITUDE

53° | 74° WEST LONGITUDE



TOTAL SURFACE

(CONTINENTAL)

2.791.810 km²

WORLD'S LARGEST COUNTRY



POPULATION

ESTIMATIONS (JULY 2020)

45.4M **INHABITANTS**





CAPITAL

BUENOS AIRES



A UNIQUE HABITAT

for the creation of great wines





TERROIRS
ALTITUDE
CLIMATE
SOILS
WATER

WINE PRODUCERS

Extension & diversity Distinctive character

Dry & continental

Low fertility Great purity

Strong commitment



TERROIRS

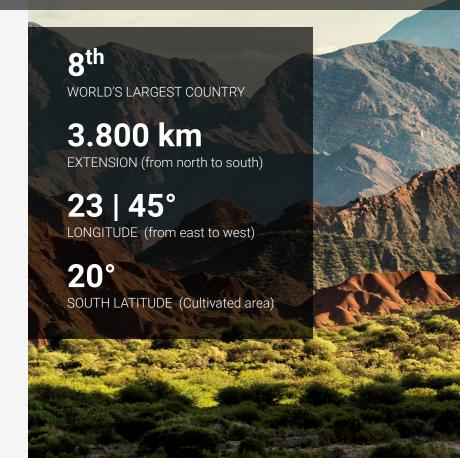
Extension and diversity



- Argentina's vast extension is unique. It offers the possibility of cultivating high-quality vineyards across larger areas, creating a great diversity of terroirs.
- This allows to play with various grape varieties and wine styles: reds (from young and light, to full-bodied and structured), whites (from dry to fruity and aromatic), sparkling (from nature to dulce) and rosés.

KEY FACTORS

- Altitude and latitude
- The presence of the Andes range
- Rainfall regime
- Variability in soils



ALTITUDEDistinctive character



The Andes range offers variable altitudes, generating a unique variety of terroirs and microclimates.

Altitude serves as a temperature regulator: For every 155 meters of linear rise over a point on the map, the average temperature will drop by 1°C.

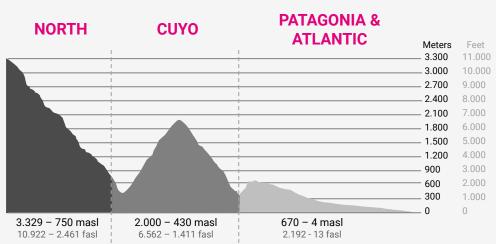
This is reflected in the expression and diversity of Argentine wines.

Argentina is the only country that adds altitude as a key factor of terroir.



- ▶ LATITUDE
- ALTITUDE
- MOUNTAINS

VINEYARD'S ALTITUDE IN ARGENTINA

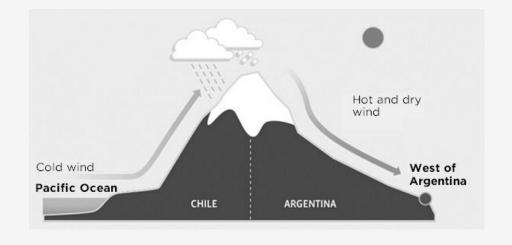


CLIMATE Dry & continental



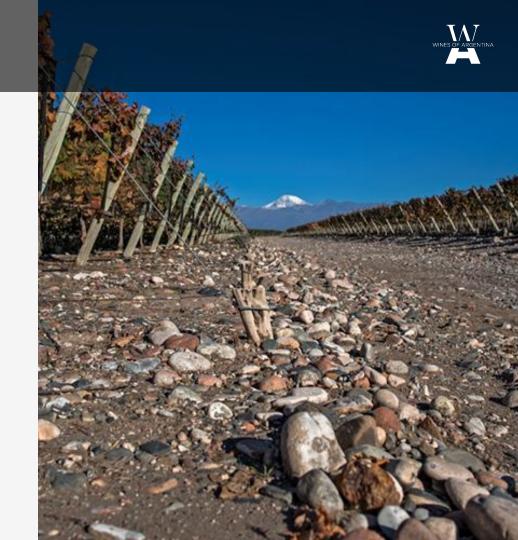
 Argentina's traditional wine regions are located in high-altitude valleys far from the oceans, which makes us one of the few continental viticultural areas in the world. Argentine wines are **"naturally natural"**. The majority of vineyards are located in arid areas, with dry climates and plenty of sunshine, with no need of artificial intervention.

This leads to healthy vineyards and contributes to the production of organic wines.



SOILS Low Fertility

- The soil becomes increasingly defining as a viability factor for the vine.
- Young and nutrient deprived soils, with low organic matter, which leads to restricted vine growth. Nitrogen is a fundamental macro-nutrient in soils. As a result of the harsh climate, nitrogen content and availability is very low.
- This arid fruitfulness favors the natural development of premium grapes with genuinely distinctive flavors.



WATER Great purity



 The main source of irrigation in mountain valleys is the meltwater from the Andes. Therefore, water is completely pure and free from the influence of any contaminating activity.

• There are two irrigation methods: flood irrigation (especially used in old vineyards) and drip irrigation (introduced in the 90's).





TIMELINE

Argentina's winemaking history















1551

- The first specimens of Vitis Vinifera were introduced in Argentina by the Spanish colonizers.
- The Catholic priests planted vineyards near their monasteries to ensure wine for the celebration of Holy Mass.
- The soil and weather conditions favored the growth of the Vitis vinifera, especially near the Andes.

1850 - 1880

- Development of viticulture as a national industry.
- Expansion of the railway.
- Expansion of vineyard acreage and increase in the amount of wine production.
- European immigrants introduced new vinegrowing techniques and grape varieties.
- Implementation of measures promoting agricultural development.

1853

 The first School of Agriculture (Quinta Normal de Agricultura) is inaugurated.

70's

 Collapse of the model based on the production of large volumes of low quality wines for domestic market.

90's

- Introduction of Neoliberalism in the national economy.
- Modernization of the wine industry.
- Incorporation of Argentina into the global market: local & foreign investments increased and were complemented by a search for new markets.
- Argentine wines exported worldwide.



WINE REGIONS

Argentina from north to south



LOCATION & EXTENSION

23° - 45°

22° from north to south



CULTIVATED SURFACE

for vinification*

Ha: 197.965,10

Ac: 489.191,56



KEY FACTORS

of terroir

- Altitude and latitude
- The presence of the Andes range
- Rainfall regime
- Variability in soils





THE NORTH

- Jujuy (GI)
- Salta (GI)
- Tucumán (GI)
- Catamarca (G)

CUYO

- La Rioja (GI)
- San Juan (GI)
- Mendoza (GI)

PATAGONIA

- La Pampa
- Neuquén (GI)
- Río Negro (GI)
- Chubut

ATLANTIC

Buenos Aires



The North





LOCATION
Latitude & longitude

23° 12′ - 28° 10′ south latitude 61° 21′ - 66° 12′ west longitude



CULTIVATED SURFACE for vinification*

Ha: 6.230,1

Ac: 15.394,95



ALTITUDE
Of the vineyards

750 - 3.329 masl 2.461 - 10.922 fasl



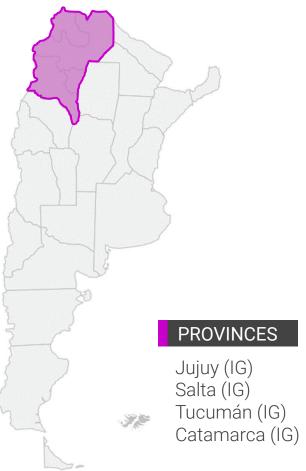
(C) KEY FACTORS

of terroir

- The region is crisscrossed by a series of valleys: the Calchaquí Valley IG and the ones found in Jujuy (Valles Templados and Quebrada de Humahuaca GI).
- The highest vineyard in the world is located in Jujuy (Uquía) at 3.329 masl (10.922 ft).



3,15% of the country



THE NORTH

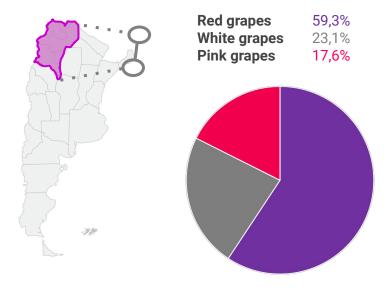


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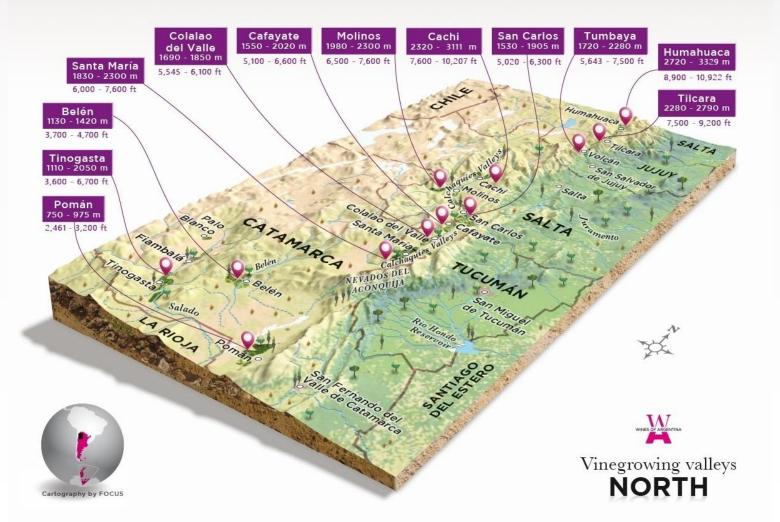
MAIN GRAPE VARIETIES

Distribution by colour*

| | Hectares | Acres | % |
|------------------------|----------|-----------|---------|
| RED VARIETIES | 3.694,7 | 9.130,0 | % Red |
| Malbec | 2.032,8 | 5.023,3 | 55,02% |
| Cabernet Sauvignon | 794,0 | 1.962,1 | 21,49% |
| Syrah | 257,8 | 637,0 | 6,98% |
| Bonarda | 160,7 | 397,1 | 4,35% |
| Tannat | 148,4 | 366,7 | 4,02% |
| Merlot | 115,3 | 284,9 | 3,12% |
| Cabernet Franc | 51,7 | 127,6 | 1,40% |
| Pinot Noir | 28,7 | 70,9 | 0,78% |
| Tempranillo | 28,0 | 69,2 | 0,76% |
| Petit Verdot | 23,9 | 58,9 | 0,65% |
| Other red varieties | 53,5 | 132,2 | 1,45% |
| WHITE VARIETIES | 1.436,9 | 3.550,7 | % White |
| Torrontés Riojano | 1.269,3 | 3.136,6 | 88,34% |
| Sauvignon Blanc | 52,6 | 130,0 | 3,66% |
| Chardonnay | 40,3 | 99,7 | 2,81% |
| Moscatel de Alejandría | 24,5 | 60,6 | 1,71% |
| Pedro Giménez | 13,5 | 33,4 | 0,94% |
| Chenin | 13,0 | 32,2 | 0,91% |
| Viognier | 4,6 | 11,4 | 0,32% |
| Riesling | 4,2 | 10,4 | 0,29% |
| Semillón | 0,2 | 0,5 | 0,01% |
| Other white varieties | 14,6 | 36,1 | 1,02% |
| PINK VARIETIES | 1.098,5 | 2.714,5 | % Pink |
| Cereza | 1.009,6 | 2.494,8 | 91,91% |
| Criolla Chica | 65,3 | 161,4 | 5,94% |
| Criolla Grande | 9,8 | 24,2 | 0,89% |
| Criolla Mediana | 0,1 | 0,2 | 0,01% |
| Other pink varieties | 13,7 | 33,9 | 1,25% |
| TOTALS | 6.230,10 | 15.395,20 | |



- The wines of the region show remarkable influence of terroir, strongly marked by altitude, and great varietal character.
- Although Malbec is the most cultivated variety, Torrontés is the emblem par excellence of the region.





SALTA Terroir characteristics





LOCATION Viticultural Areas

25° 07' - 26° 05'

65° 28' - 66° 09'

WEST LONGITUDE



CULTIVATED SURFACE for vinification*

Ha: 3.569,8

Ac: 8.821,33



ALTITUDE Of the vineyards

1.530 - 3.111 masl 5.020 - 10.207 fasl



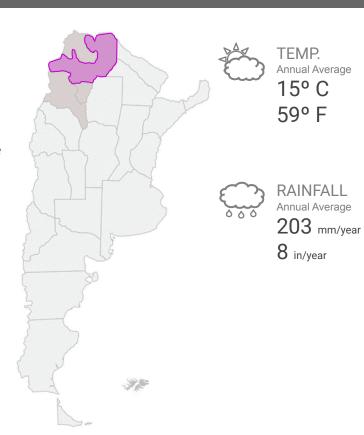
) HIGHLIGHTS

- The viticultural activity is located mainly in the Calchaquí Valley GI.
- Strongly marked by the presence of high altitude vineyards.
- Cafayate Valley GI is the main wine producer of the region.



1.8% of the country

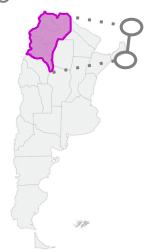
57.3% of the region



SALTA Varieties



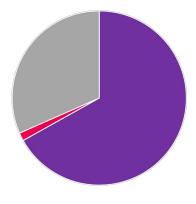






Red grapes White grapes Pink grapes

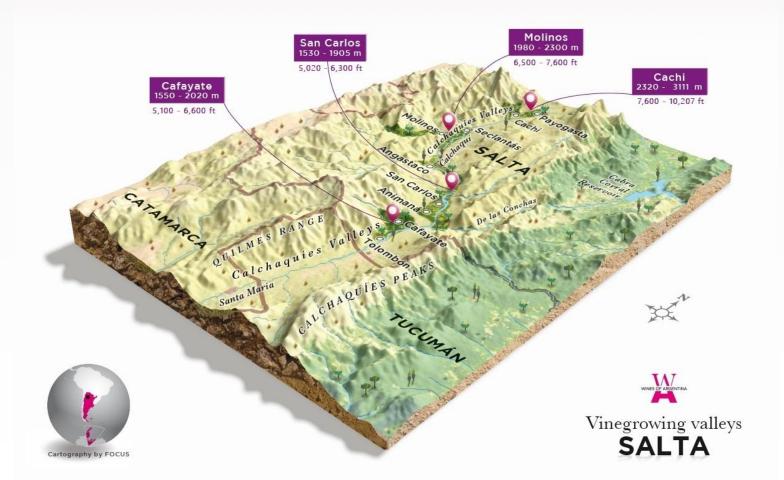




Malbec | Torrontés | Cabernet Sauvignon | Tannat | Merlot

| | Ha | Acres | % | % |
|------------------------|--------|----------|----------|---------|
| SALTA | 3569,8 | 8.821,33 | Province | Color |
| Red (vinification) | 2481,9 | 6.133,02 | 69,52% | 100,00% |
| Malbec | 1626,9 | 4.020,23 | 45,57% | 65,55% |
| Cabernet Sauvignon | 459,0 | 1.134,23 | 12,86% | 18,49% |
| Tannat | 135,4 | 334,59 | 3,79% | 5,46% |
| Merlot | 52,1 | 128,74 | 1,46% | 2,10% |
| Bonarda | 48,0 | 118,61 | 1,34% | 1,93% |
| Cabernet Franc | 40,5 | 100,08 | 1,13% | 1,63% |
| Syrah | 33,1 | 81,79 | 0,93% | 1,33% |
| Petit Verdot | 21,4 | 52,88 | 0,60% | 0,86% |
| Pinot Noir | 19,1 | 47,20 | 0,54% | 0,77% |
| Tempranillo | 9,0 | 22,24 | 0,25% | 0,36% |
| Other red varieties | 37,4 | 92,42 | 1,05% | 1,51% |
| White (vinification) | 1036,2 | 2.560,55 | 29,03% | 100,00% |
| Torrontés Riojano | 903,6 | 2.232,89 | 25,31% | 87,20% |
| Sauvignon Blanc | 48,0 | 118,61 | 1,34% | 4,63% |
| Chardonnay | 37,7 | 93,16 | 1,06% | 3,64% |
| Moscatel de Alejandría | 13,7 | 33,85 | 0,38% | 1,32% |
| Chenin | 13,0 | 32,12 | 0,36% | 1,25% |
| Viognier | 4,6 | 11,37 | 0,13% | 0,44% |
| Riesling | 4,2 | 10,38 | 0,12% | 0,41% |
| Pedro Giménez | 1,4 | 3,46 | 0,04% | 0,14% |
| Semillón | 0,2 | 0,49 | 0,01% | 0,02% |
| Other white varieties | 9,8 | 24,22 | 0,27% | 0,95% |
| Pink (vinification) | 51,7 | 127,76 | 1,45% | 100,00% |
| Criolla Chica | 41,1 | 101,56 | 1,15% | 79,50% |
| Cereza | 2,4 | 5,93 | 0,07% | 4,64% |
| Criolla Grande | 0,4 | 0,99 | 0,01% | 0,77% |
| Other pink varieties | 7,8 | 19,27 | 0,22% | 15,09% |

^{*}Source: National Viticulture Institute Annual Surface Report (12/31/2020 database).



SALTA | Cafayate IG

Terroir characteristics



- Cafayate (GI) is the most important valley in Salta and the main wine producer of the region.
- It concentrates 60% of the vineyards in the Calchaquí Valley (GI).



LOCATION Viticultural Areas

26° 05'
SOUTH LATITUDE
65° 58'
WEST LONGITUDE



CULTIVATED
SURFACE
for vinification*

Ha: 2.682,9

Ac: 6.629,71



Malbec | Torrontés | Cabernet Sauvignon | Tannat | Merlot



ALTITUDE
Of the vineyards

1.550 - 2.020 masl

5.100 - 6.600 fasl



TEMP.
Annual Average

16,2° C 61° F



60% of the Calchaqui Valley



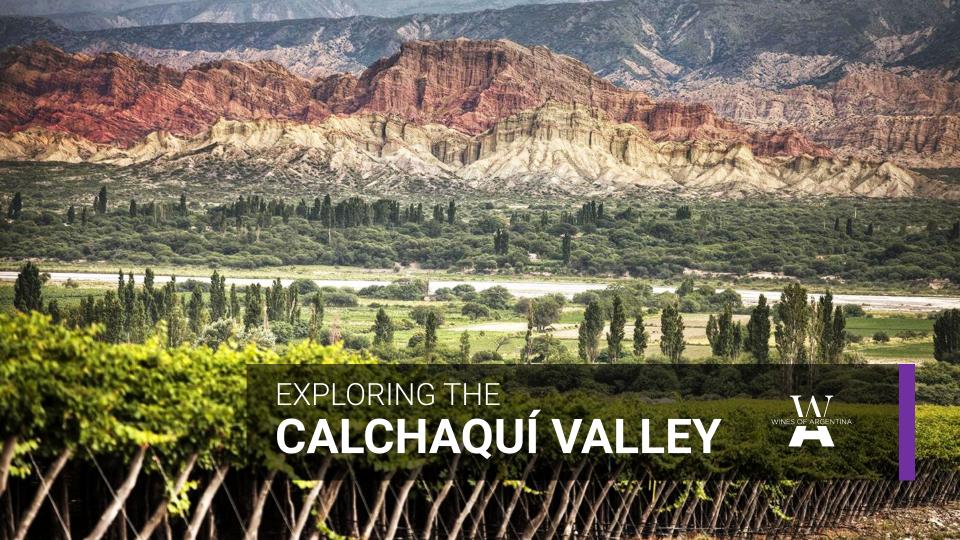
RAINFALL Annual Average

186/250 mm/year 7,3/9,8 in/year



SOIL Profile

 Sandy-loam soils made from thick grains with gravel and fine sands on the surface. These characteristics are similar to the layers of subsoil but with fractions of finer sand located deeper and with presence of round stone.



THE CALCHAQUÍ VALLEY





2,25 of the country

Ha: 4.4455,1 Ac: 11.009

- Mountain valley of **270km** that crosses **3 provinces**: Salta, Tucumán and Catamarca.
- Formed **5 million years ago** with the ascent of the Sierras de Quilmes and Aconquija.
- More than 2.000 years of Calchaquí Diaguita's history.
- Viticultural tradition since the **18th century**.
- Remarkable effect of terroir: Reds with character & Torrontés.

^{*}Source: National Viticulture Institute - Annual Surface Report (12/31/2020 database).

THE CALCHAQUÍ VALLEY



- Vineyards range from 1.650 masl (5.410 ft) on the valley base around Cafayate, to 3.111 masl (10.201 ft) in Altura Máxima (Payogasta, Cachi).
- Six of the world's highest vineyards in Argentina are located in the Calchaquí Valley and, compared to other regions, it's a high point in the world map of wine.
- 23 small producers are working at over 2.200 masl (7.220 ft) in Upper Calchaquí Valley and the neighboring province of Jujuy.
- Producing wine in the Calchaquí Valley is **more complicated and more expensive than Mendoza** due to the lower yields at higher altitudes and the lack of infrastructure and suppliers (located mainly in Mendoza).

CALCHAQUÍ VALLEY Geography





CALCHAQUÍ VALLEY Altitude effect

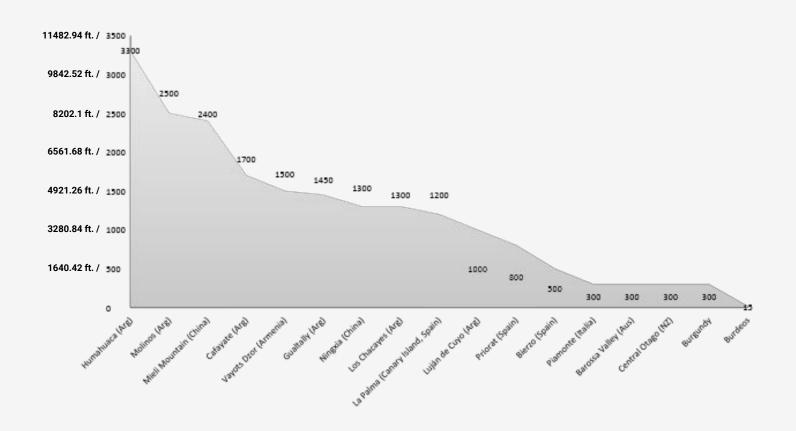


- All of the best aspects of wine come from the skins, including color, flavor intensity, and concentration of polyphenols.
- The thick skins of the grapes created by extreme conditions of the terroir also produce a different flavor profile compared to other regions, with strong, spicy aromas of black olives, black fruits, herbal notes and muscular tannins.
- Research on high altitude wine health benefits confirm that regular consumption of these wines contributes to a longer and more active life.
- This is due to the higher concentration of polyphenols, a naturally occurring antioxidant.

HIGH ALTITUDE

Terroir







Cuyo





LOCATION Latitude & longitude

28° 23' - 34° 58' SOUTH LATITUDE 67° 04' - 67° 42' WEST LONGITUDE



CULTIVATED SURFACE for vinification*

Ha: 187.501,1

Ac: 463.333,97



ALTITUDE Of the vineyards

430 - 2.000 masl

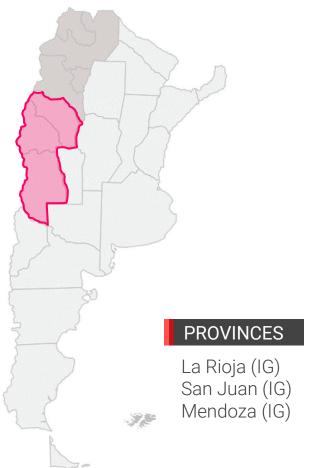
1.411 - 6.562 fast



KEY FACTORS of terroir

- Cuyo is the most prolific region in South America and one of the most important worldwide.
- An arid and fertile region located in the center west of the country, at the foot of the Andes mountain range.

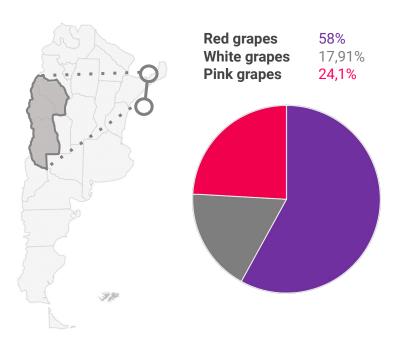




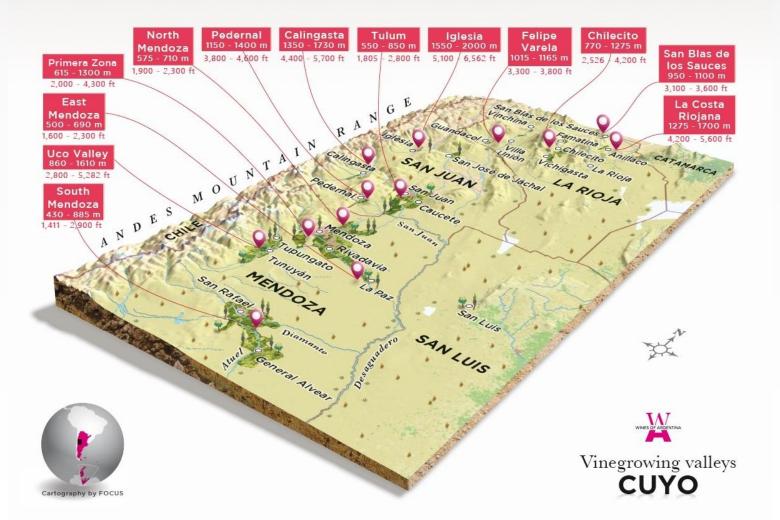
CUYO



MAIN GRAPE VARIETIES Distribution by colour*



| | Hectares | Acres | | |
|------------------------|------------|------------|---------|--|
| RED VARIETIES | 108.823,7 | 268.914,2 | % Red | |
| Malbec | 42.344,6 | 104.637,7 | 38,91% | |
| Bonarda | 17.968,4 | 44.401,7 | 16,51% | |
| Cabernet Sauvignon | 12.884,0 | 31.837,7 | 11,84% | |
| Syrah | 11.390,6 | 28.147,3 | 10,47% | |
| Tempranillo | 5.384,8 | 13.306,4 | 4,95% | |
| Merlot | 4.372,8 | 10.805,6 | 4,02% | |
| Pinot Noir | 1.499,2 | 3.704,7 | 1,38% | |
| Cabernet Franc | 1.214,6 | 3.001,4 | 1,12% | |
| Tannat | 674,7 | 1.667,3 | 0,62% | |
| Petit Verdot | 601,1 | 1.485,4 | 0,55% | |
| Other red varieties | 10.488,9 | 25.919,1 | 9,64% | |
| WHITE VARIETIES | 33.531,2 | 82.858,95 | % White | |
| Pedro Giménez | 9.501,1 | 23.478,17 | 28,34% | |
| Torrontés Riojano | 6.293,6 | 15.552,11 | 18,77% | |
| Chardonnay | 5.564,9 | 13.751,42 | 16,60% | |
| Moscatel de Alejandría | 2.245,9 | 5.549,84 | 6,70% | |
| Chenin | 1.726,1 | 4.265,37 | 5,15% | |
| Sauvignon Blanc | 1.732,3 | 4.280,69 | 5,17% | |
| Torrontés Sanjuanino | 1.566,7 | 3.871,47 | 4,67% | |
| Viognier | 696,5 | 1.721,12 | 2,08% | |
| Semillón | 582,1 | 1.438,43 | 1,74% | |
| Torrontés Mendocino | 485,5 | 1.199,72 | 1,45% | |
| Riesling | 57,7 | 142,58 | 0,17% | |
| Other white varieties | 3.078,8 | 7.608,02 | 9,18% | |
| PINK VARIETIES | 45.146,2 | 111.560,77 | % Pink | |
| Cereza | 25.169,7 | 62.196,85 | 55,75% | |
| Criolla Grande | 13.332,6 | 32.946,19 | 29,53% | |
| Criolla Chica | 272,7 | 673,87 | 0,60% | |
| Criolla Mediana | 7,4 | 18,29 | 0,02% | |
| Other pink varieties | 6.363,8 | 15.725,59 | 14,10% | |
| TOTALS | 187.501,10 | 463.333,97 | | |



THE ANDES RANGE

Importance



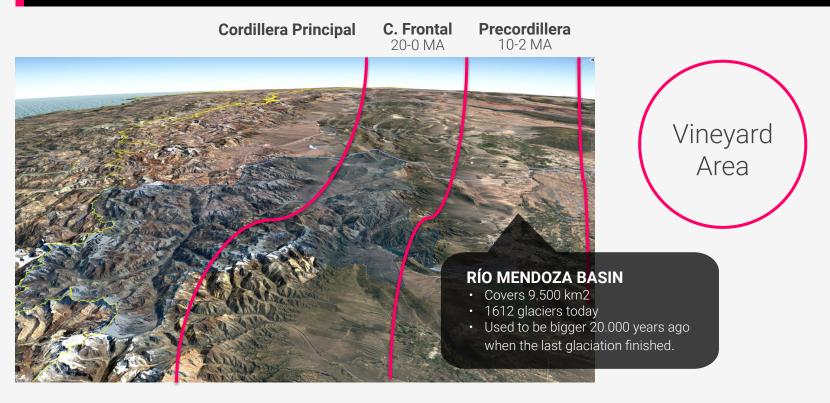


THE ANDES RANGE

Importance | Soils



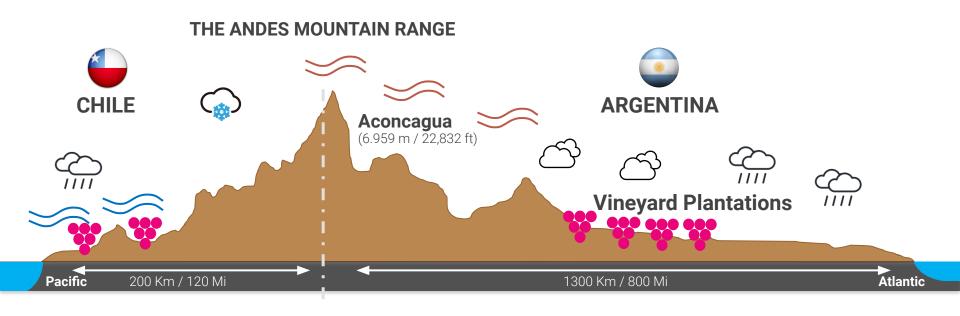
THE ANDES RANGE IS A MULTI-TIME & MULTI-EPISODIC EVENT 5-0 MA



ALTITUDE EFFECTS

A singular vineyard at the foothills of the Andes







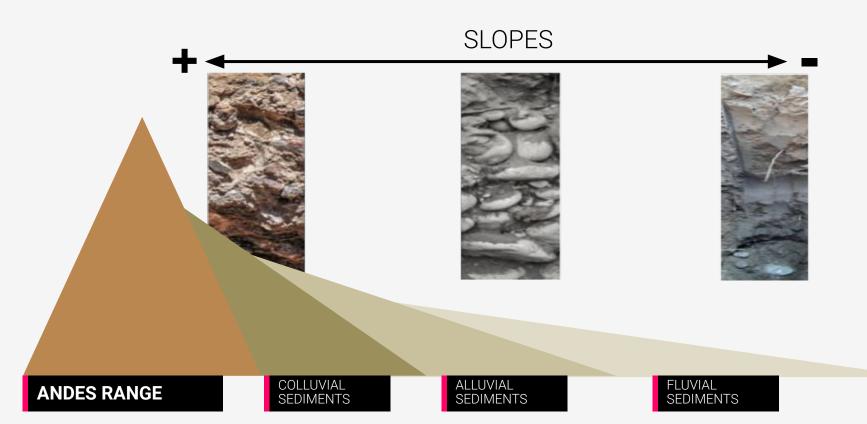




THE ANDES RANGE

A singular vineyard at the foothills of the Andes

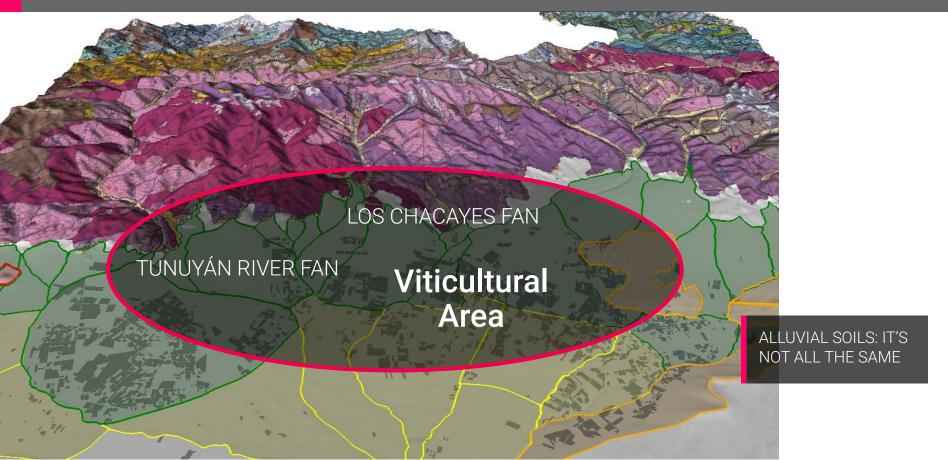




THE ANDES RANGE

A singular vineyard at the foothills of the Andes







MENDOZA

Terroir characteristics





LOCATION Viticultural Areas

32° 43′ - 34° 58′ south latitude 67° 33′ - 69° 15′ west longitude



CULTIVATED SURFACE for vinification*

Ha: 149.001,8

Ac: 368.198,35



ALTITUDE Of the vineyards

430 - 2.000 masl 1.411 - 6.562 fasl

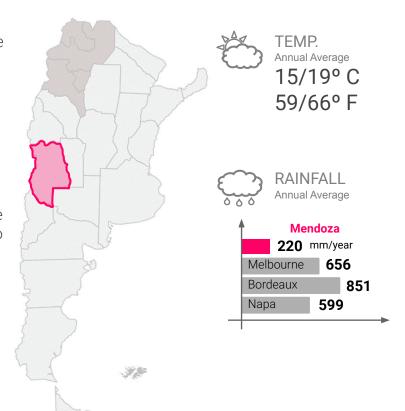


- The most important wine province and one of the main producing centres in the world.
- The presence of the Andes shape the climate generating ideal conditions for the cultivation of vines.
- It is divided into five large sub-regions: Valle de Uco Gl; Primera Zona; Northern oasis; the East and the South.



75.3% of the country

79.5% of the region



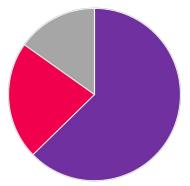
MENDOZA



MAIN GRAPE VARIETIES Distribution by colour*



Red grapes 62,7% White grapes 15,2% Pink grapes 22,1%



MAIN GRAPES
VARIETIES
Most Planted*

Malbec | Bonarda | Cereza | Criolla Grande | Cabernet Sauvignon

| | На | Acres | % | % |
|------------------------|----------|------------|----------|---------|
| MENDOZA | 149001,8 | 368.198,35 | Province | Color |
| Red (vinification) | 93368,2 | 230.722,16 | 62,66% | 100,00% |
| Malbec | 38643,7 | 95.492,45 | 25,94% | 41,39% |
| Bonarda | 15162,5 | 37.468,05 | 10,18% | 16,24% |
| Cabernet Sauvignon | 10755,7 | 26.578,41 | 7,22% | 11,52% |
| Syrah | 8310,4 | 20.535,83 | 5,58% | 8,90% |
| Tempranillo | 5178,2 | 12.795,85 | 3,48% | 5,55% |
| Merlot | 3858,7 | 9.535,23 | 2,59% | 4,13% |
| Pinot Noir | 1467,0 | 3.625,10 | 0,98% | 1,57% |
| Cabernet Franc | 1057,4 | 2.612,94 | 0,71% | 1,13% |
| Petit Verdot | 466,4 | 1.152,52 | 0,31% | 0,50% |
| Tannat | 362,0 | 894,54 | 0,24% | 0,39% |
| Other | 8106,2 | 20.031,23 | 5,44% | 8,68% |
| White (vinification) | 22701,9 | 56.098,67 | 15,24% | 100,00% |
| Pedro Giménez | 7319,1 | 18.086,23 | 4,91% | 32,24% |
| Chardonnay | 4824,6 | 11.922,07 | 3,24% | 21,25% |
| Torrontés Riojano | 3432,8 | 8.482,79 | 2,30% | 15,12% |
| Chenin | 1517,8 | 3.750,64 | 1,02% | 6,69% |
| Sauvignon Blanc | 1491,6 | 3.685,89 | 1,00% | 6,57% |
| Semillón | 542,9 | 1.341,56 | 0,36% | 2,39% |
| Viognier | 452,6 | 1.118,42 | 0,30% | 1,99% |
| Moscatel de Alejandría | 242,7 | 599,74 | 0,16% | 1,07% |
| Torrontés Mendocino | 152,0 | 375,61 | 0,10% | 0,67% |
| Torrontés Sanjuanino | 139,3 | 344,22 | 0,09% | 0,61% |
| Riesling | 48,2 | 119,11 | 0,03% | 0,21% |
| Other | 2538,3 | 6.272,39 | 1,70% | 11,18% |
| Pink (vinification) | 32931,8 | 81.377,77 | 22,10% | 100,00% |
| Cereza | 13928,1 | 34.417,73 | 9,35% | 42,29% |
| Criolla Grande | 12896,4 | 31.868,29 | 8,66% | 39,16% |
| Criolla Chica | 149,7 | 369,92 | 0,10% | 0,45% |
| Criolla Mediana | 0,8 | 1,98 | 0,00% | 0,00% |
| Other | 5956,8 | 14.719,85 | 4,00% | 18,09% |

^{*}Source: National Viticulture Institute – Annual Surface Report (12/31/2020 database).







PRIMERA ZONA

Location





BRIEF HISTORY | 20th Century

Primera Zona



- Large scale irrigation network using water from Mendoza River.
- Primera Zona holds 40% of Argentina's wineries (881 in total)
- 1990: D.O.C.
- Luján de Cuyo



- o Agrelo
- Las Compuertas
- Lunlunta
- Barrancas
- El Paraíso
- Russel
- City advancement over vineyard areas.





PAST & PRESENT

Primera Zona



ORIGINS

- Flood Irrigation only
- Trellising: low trellis VSP and Parral.
- High density cultivation: 1.80 m X 1 m (5000 to 6000 pl / ha)
- Root-stock.
- Mass selections.
- Vines: French, Italian, Spanish and Criolla.
- Fine wines and table red and white wines

PRESENT DAY

- Flood and drip irrigation.
- Conduction system: low trellis and high trellis.
- Low density cultivation: 2.2 meters X
 1.2 meters (3000 to 4000 pl / ha)
- Grafted/ungrafted rootstock.
- Mass selections of old vineyards and clones.
- French varietals.
- Fine wines, mainly reds.

LUJÁN DE CUYO

Primera Zona



CULTIVATED
SURFACE
for vinification* (INV 2020)

Ha: 15.560,2

Ac: 38.450,81

MALBEC

Ha: 8.855,3

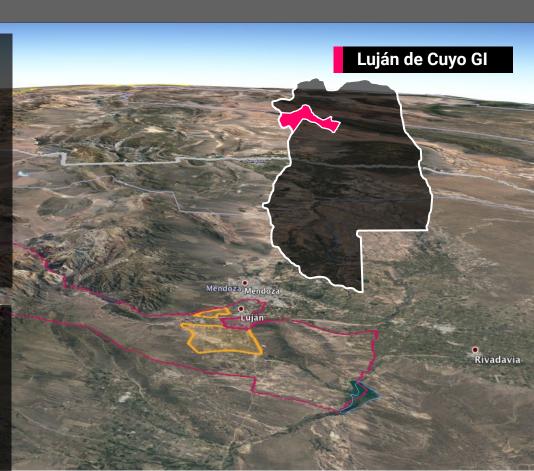
Ac: 21.882,33

7,9% کری of the country

10,4% of the province

19,4% of the countr

- Located to the south of Mendoza City, on the pre-cordillera.
- It is composed of 15 districts, some of them are GIs:
 - Agrelo
 - Las Compuertas



MAIPÚ Primera Zona



CULTIVATED SURFACE for vinification* (INV 2020)

Ha: 11.120,3

Ac: 27.479,37

MALBEC

Ha: 4.021,5

Ac: 9.937,53

5,6% of the country

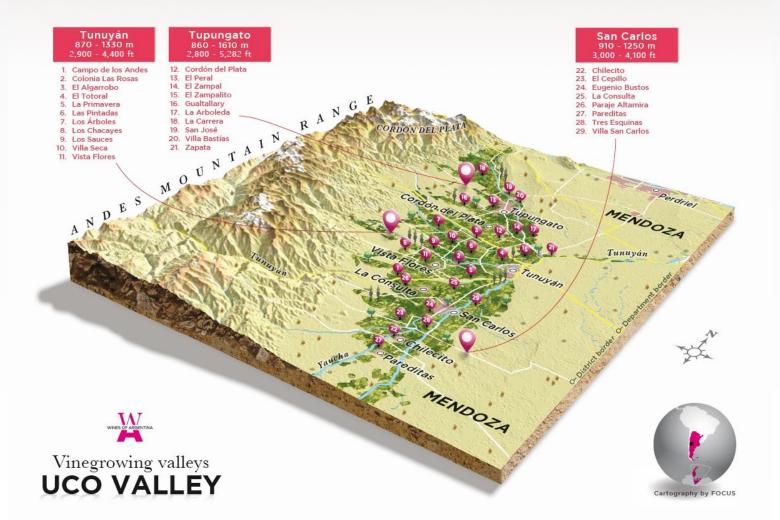
8,8%

Located in Mendoza city's southeast boundary, between Luján de Cuyo and the eastern departments of Mendoza.

- It is composed of 12 districts, some of them are GIs:
 - Barrancas
 - Lunlunta

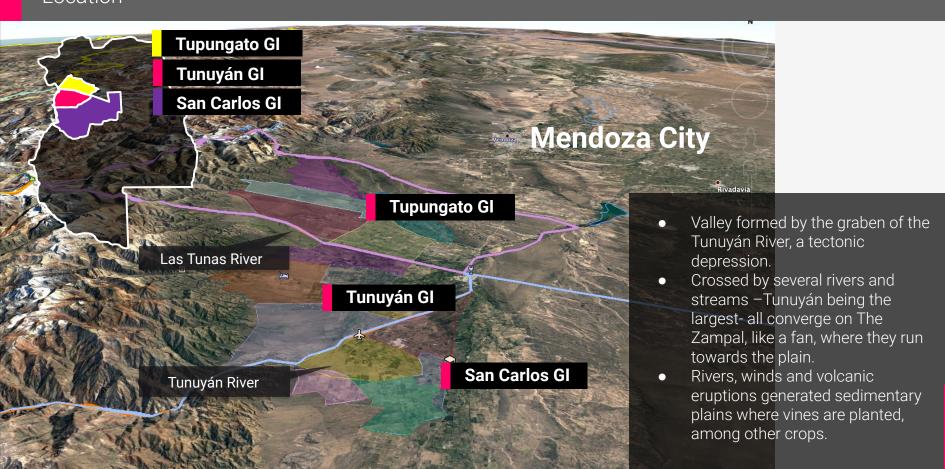






UCO VALLEY (GI) Location





UCO VALLEY (GI)

Today's figures





CULTIVATED SURFACE

for vinification* (INV 2020)

Ha: 28.902,9

Ac: 71.421,96

IALBEC

Ha: 15.700,6

Ac: 38.797,75

9.5

14,6% of the country

19,4,6% of the province

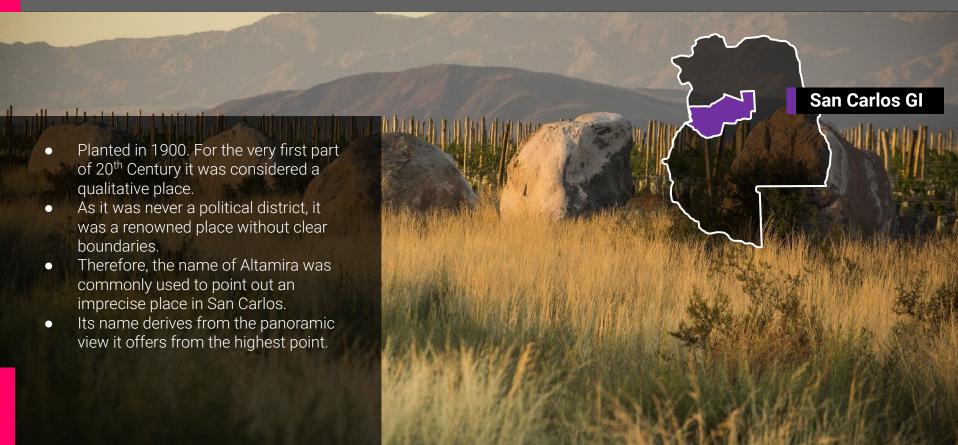
8,8%

 New plantations raised the need to characterise the terroir of the Uco Valley.

- 61,8% of the total red varieties in the valley
- 40,6 % of the Malbec cultivated in Mendoza
- 34,4% of the Malbec cultivated in Argentina

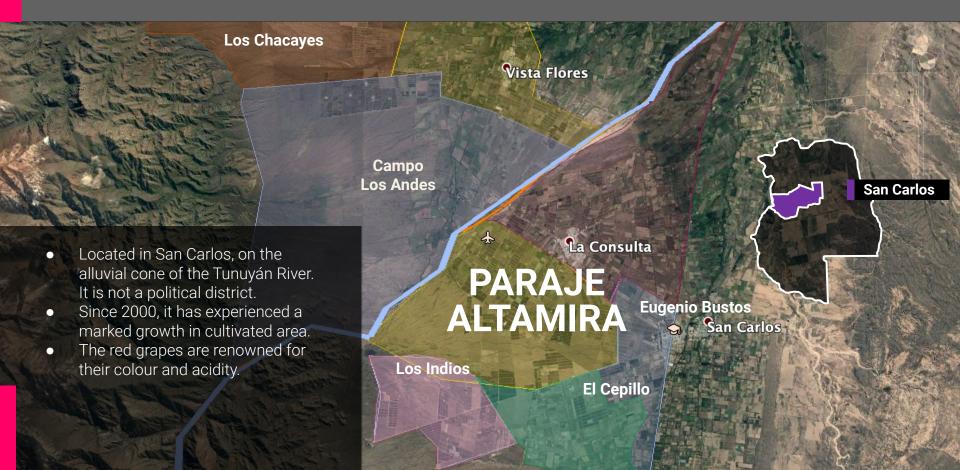
SAN CARLOS (GI) Paraje Altamira GI





WINES OF ARGENTIF

PARAJE ALTAMIRA



PARAJE ALTAMIRA (GI)

WINES OF ARGENTI

Terroir

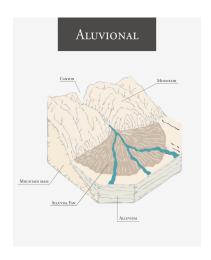


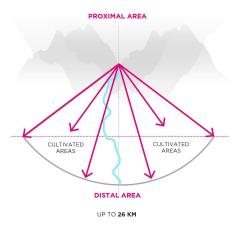
PARAJE ALTAMIRA (GI)



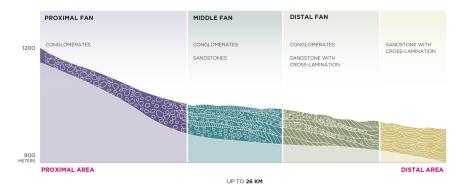


- 2009: The need to separate it from La Consulta by soil type.
- The alluvial cone of Tunuyán River was the physical factor for the delimitation.
- Paraje Altamira GI was approved in 2013, then expanded in 2016.





MENDOZA > RÍO TUNUYÁN **ALLUVIAL FAN**



PARAJE ALTAMIRA (GI)

Soils



SAN CARLOS > LA CONSULTA

PARAJE ALTAMIRA

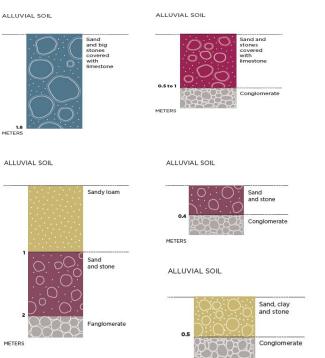
LANDSCAPE MORPHOLOGY
Alluvial cone of the River Tunuyán

SOIL TYPE

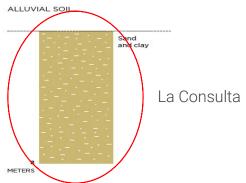
Alluvial and heterogeneous: sandy with big stones (up to 2m) to sandy with smaller rounded stones, rich in limestone deposits; variable depth.

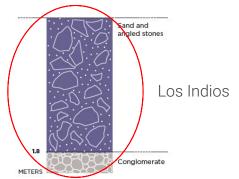
VARIETIES

Malbec Cabernet Franc Cabernet Sauvignon Chardonnay



METERS



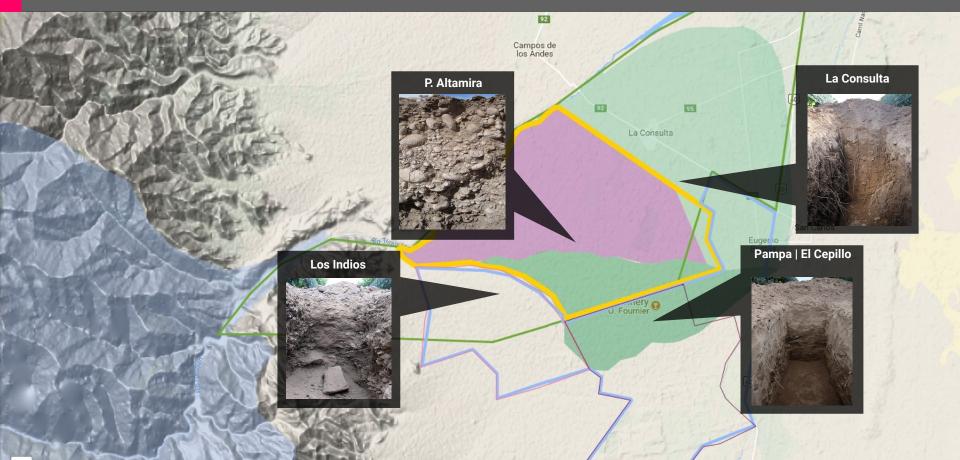


COLLUVIAL

SOIL PROFILE

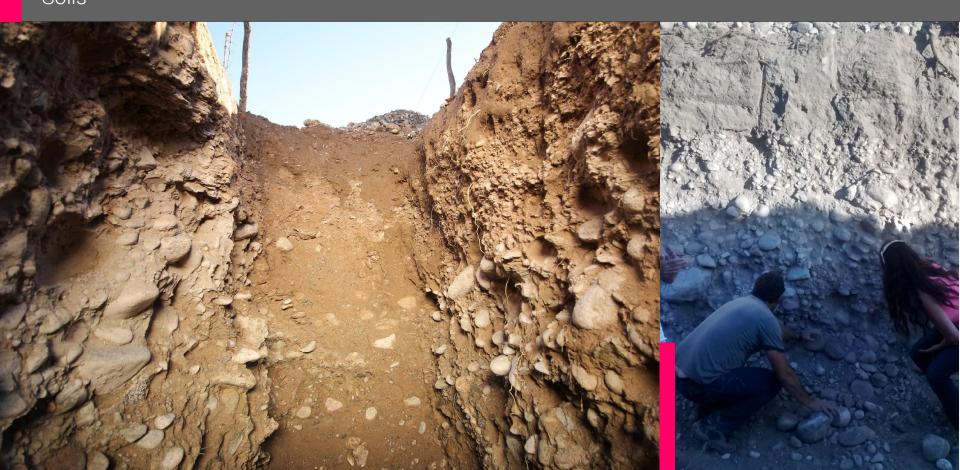
Comparison





PARAJE ALTAMIRA (GI) Soils

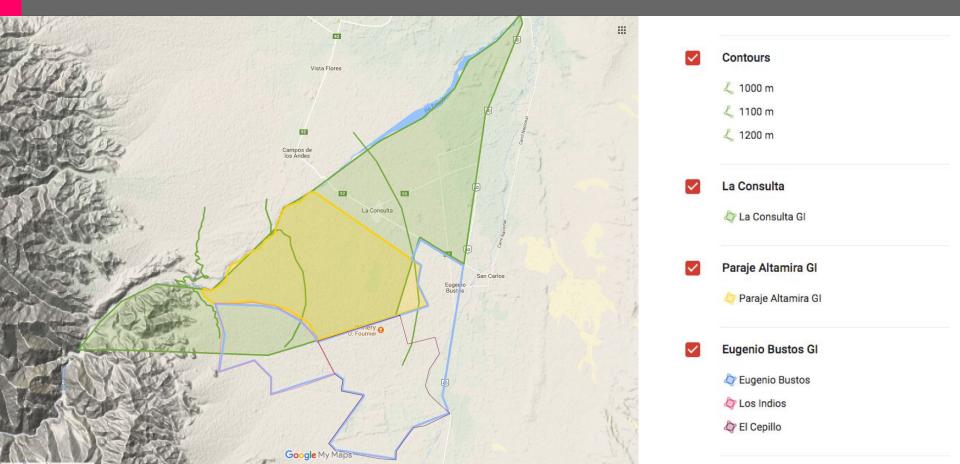




SAN CARLOS

La Consulta Gl

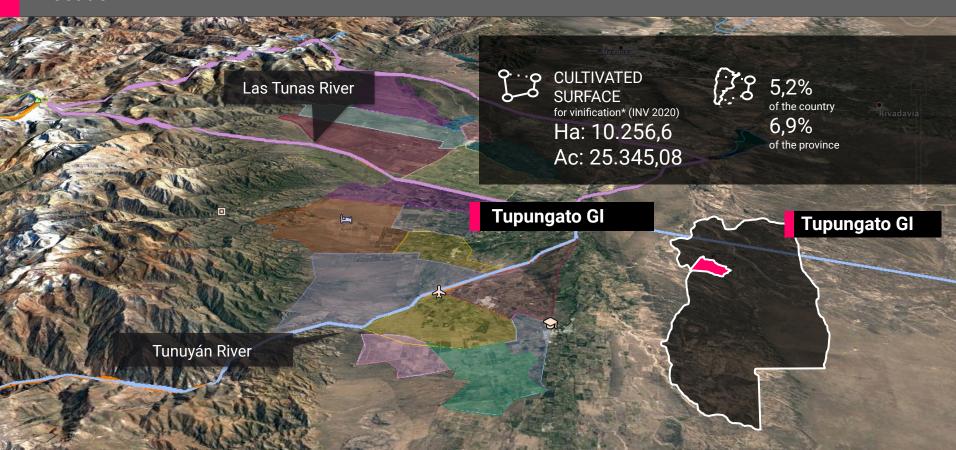




TUPUNGATO GI

Location





TUPUNGATO

Brief History



- It's been part of a Jesuit *encomienda* since 17th Century.
- The valley has been farmed with orchards, vineyards and horticultural crops since the beginning of 20th Century.
- Flood irrigation was common until mid 90's. Since then, drip irrigation has become more popular mainly on slopes and difficult topographies.
- The personality and uniqueness of the wines has attracted the attention of wine critics and consumers worldwide.
- Tupungato is the only approved GI. Gualtallary is a GI in process of approval.
- Main grape variety: Malbec. Chardonnay, Cabernet Sauvignon, Pinot Noir & Cabernet Franc are also very important grapes in the GI based on the quality of the wines made out of these varietals



TUPUNGATO
Other relevant districts (NON-GI)





SAN PABLO GI





SAN PABLO GI

Terroir



UCO VALLEY > MENDOZA

TUNUYÁN > LOS ÁRBOLES

SAN PABLO

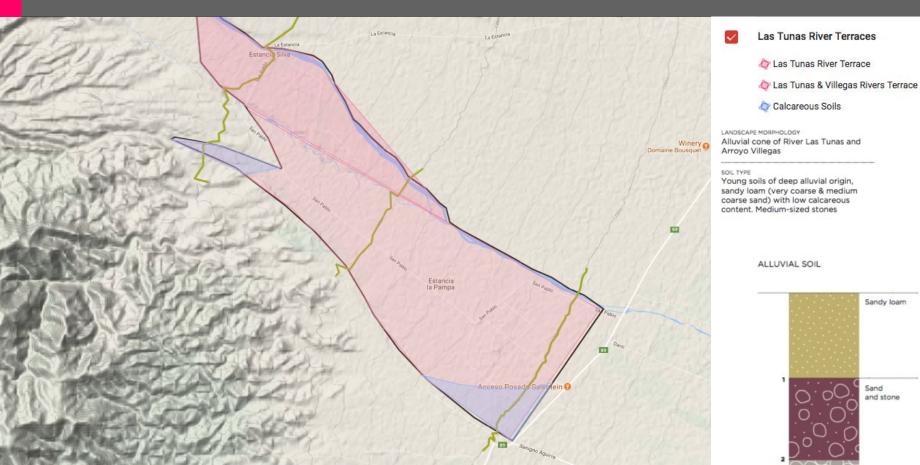




SAN PABLO GI



Soils



SAN PABLO GI Soils

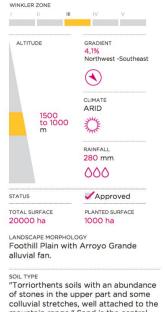




LOS CHACAYES GI

Other Relevant GIs

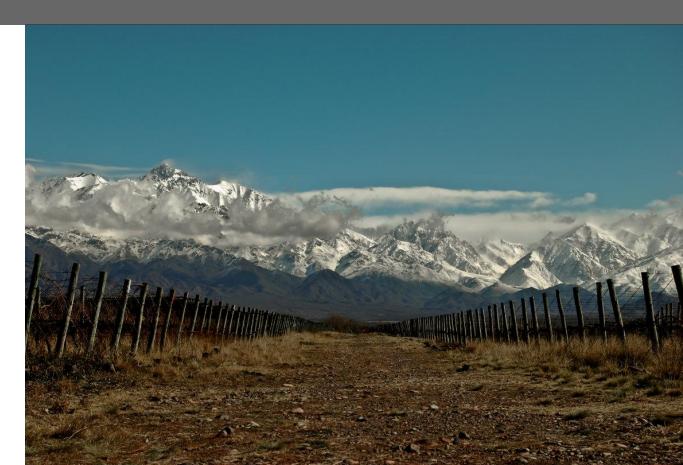




mountain range." Sand is the central component, mainly in the area of the stream, with fine loess deposits.

VARIETIES

Malbec Cabernet Sauvignon Chardonnay Cabernet Franc Merlot Petit Verdot





Patagonia & Atlantic



LOCATION Latitude & longitude

36° 37′ - 45° 36′ SOUTH LATITUDE

57° 39′ - 71° 31′ WEST LONGITUDE



CUITIVATED SURFACE for vinification*

Ha: 3.803,9

Ac: 9.399,82



ALTITUDE

Of the vineyards

4 - 670 masl

13 - 2.198 fast



KEY FACTORS of terroir

- The southernmost vineyards in the world are located in Chubut, beyond 45° south latitude.
- Chapadmalal GI is the most eastern wine region in Argentina, (Atlantic viticulture).



of the country



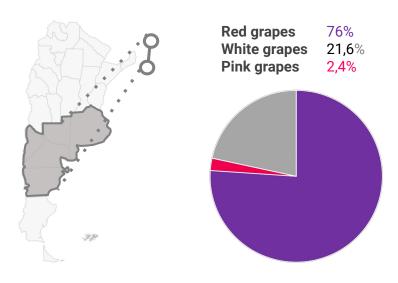
PROVINCES

La Pampa Neuquén (IG) Río Negro (IG) Chubut **Buenos Aires**

PATAGONIA & ATLANTIC REGION



MAIN GRAPE VARIETIES Distribution by colour*



| | Hectares | Acres | |
|------------------------|----------|----------|---------|
| RED VARIETIES | 2.892.2 | 7.146,92 | |
| Malbec | 1.175,5 | 2.904,78 | |
| Merlot | 542,0 | 1.339,34 | |
| Pinot Noir | 422.3 | 1.043,55 | |
| Cabernet Sauvignon | 411.1 | 1.015,94 | |
| Syrah | 107,2 | 264,98 | 3,71% |
| Cabernet Franc | 75,7 | 187,06 | |
| Petit Verdot | 22,0 | 54,36 | 0,76% |
| Bonarda | 16,3 | 40,28 | 0,56% |
| Tannat | 15,3 | 37,81 | 0,53% |
| Tempranillo | 14,4 | 35,58 | 0,50% |
| Other | 90,4 | 223,39 | 3,13% |
| WHITE VARIETIES | 822,4 | 2.032,23 | % White |
| Chardonnay | 235,2 | 581,20 | 28,60% |
| Sauvignon Blanc | 153,8 | 380,06 | 18,70% |
| Torrontés Riojano | 84,3 | 208,31 | 10,25% |
| Torrontés Mendocino | 77,9 | 192,50 | 9,47% |
| Pedro Giménez | 72,7 | 179,65 | 8,84% |
| Torrontés Sanjuanino | 61,1 | 150,98 | 7,43% |
| Semillón | 56,9 | 140,61 | 6,92% |
| Viognier | 10,2 | 25,30 | 1,25% |
| Riesling | 8,7 | 21,50 | 1,06% |
| Moscatel de Alejandría | 7,6 | 18,78 | 0,92% |
| Chenin | 5,0 | 12,36 | 0,61% |
| Other | 49,0 | 120,99 | 5,95% |
| PINK VARIETIES | 89,3 | 220,67 | % Pink |
| Cereza | 12,8 | 31,63 | , |
| Criolla Grande | 5,0 | 12,40 | 5,62% |
| Criolla Chica | 0,3 | 0,74 | |
| Other | 71,2 | 175,89 | 79,71% |
| TOTALS | 3.803,9 | 9.399,82 | |

^{*}Source: National Viticulture Institute - Annual Surface Report (12/31/2020 database).

PATAGONIA & ATLANTIC REGION



Location



PATAGONIA & ATLANTIC REGION

WINES OF ARGENTINA

Key Factors of Terroir







NEUQUÉN

Terroir characteristics





LOCATION Viticultural Areas

38° 37′ - 38° 57′ south latitude

68° 18' - 68° 14'



CULTIVATED SURFACE for vinification*

Ha: 1.764,3

Ac: 4.359,76



ALTITUDE
Of the vineyards

270 - 415 masl

886 - 1.362 fasl



HIGHLIGHTS

 The cultivated area is located at low altitude, but temperatures decrease as a result of latitude, which has a compensatory effect





12/15° C 54/59° F



RAINFALL Annual Average

150 mm/year

5,9 in/year



0.89% of the country

48.3% of the region



NEUQUÉN

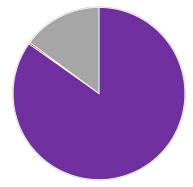
Varieties



MAIN GRAPE VARIETIES Distribution by colour*



Red grapes84,9%White grapes14,8%Pink grapes0,3%



MAIN GRAPES
VARIETIES
Most Planted*

Malbec | Cabernet | Sauvignon | Merlot | Pinot Noir | Chardonnay

| | На | Acres | % | % |
|------------------------|--------|-------------|-----------------------------|---------------------------|
| NEUQUÉN | 1764,3 | 4.359,76 | Province | Color |
| Red (vinification) | 1497,6 | 3.700,72 | 84,88% | 100,00% |
| Malbec | 661,9 | 1.635,62 | 37,52% | 44,20% |
| Cabernet Sauvignon | 266,7 | 659,04 | 15,12% | 17,81% |
| Merlot | 239,8 | 592,57 | 13,59% | 16,01% |
| Pinot Noir | 238,6 | 589,60 | 13,52% | 15,93% |
| Syrah | 35,8 | 88,47 | 2,03% | 2,39% |
| Cabernet Franc | 29,2 | 72,16 | 1,66% | 1,95% |
| Petit Verdot | 9,4 | 23,23 | 0,53% | 0,63% |
| Tannat | 5,3 | 13,10 | 0,30% | 0,35% |
| Bonarda | 3,0 | 7,41 | 0,17% | 0,20% |
| Tempranillo | 1,9 | 4,70 | 0,11% | 0,13% |
| Other | 6,0 | 14,83 | 0,34% | 0,40% |
| White (vinification) | 261,1 | 645,20 | 14,80% | |
| Chardonnay | 137,5 | 339,78 | 7,79% | 52,66% |
| Sauvignon Blanc | 81,1 | 200,41 | 4,60% | 31,06% |
| Semillón | 17,7 | 43,74 | 1,00% | 6,78% |
| Torrontés Riojano | 12,6 | 31,14 | 0,71% | 4,83% |
| Viognier | 8,1 | 20,02 | 0,46% | 3,10% |
| Torrontés Mendocino | 1,4 | 3,46 | 0,08% | 0,54% |
| Moscatel de Alejandría | 1,0 | 2,47 | 0,06% | 0,38% |
| Chenin | 0,3 | 0,74 | 0,02% | 0,11% |
| Riesling | 0,1 | 0,25 | 0,01% | 0,04% |
| Other | 1,3 | 3,21 | 0,07% | 0,50% |
| Pink (vinification) | 5,6 | 13,84 | 0,32% | 100,00% |
| Cereza | 0,3 | 0,74 | 0,02% | 5,36% |
| Criolla Grande | 0,02 | 0,05 | ource: Natio ŋạŊŊ iķ | ulture Ins tiț®6 % |
| Other | 5,3 | Annual 3,05 | ice Report (12/30%) | 120 datagase 9% |



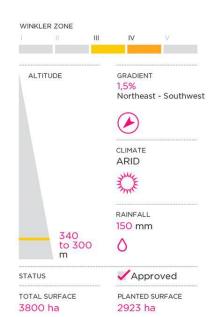
NEUQUÉN Terroir characteristics



PATAGONIA > NEUQUÉN

CONFLUENCIA > CONFLUENCIA

NEUQUÉN





NEUQUÉN

Soils



CONFLUENCIA > CONFLUENCIA

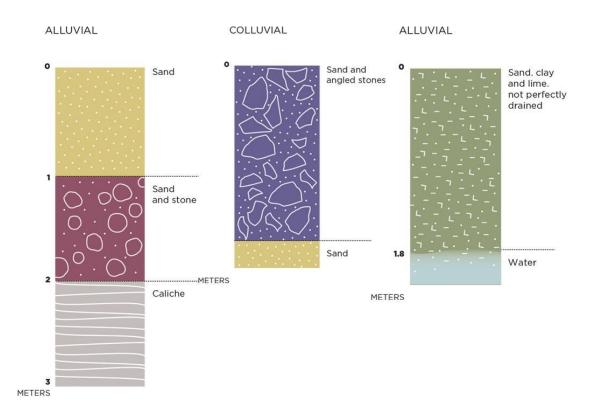


LANDSCAPE MORPHOLOGY
Pleistocene terraces, fluvial terraces,
alluvial and colluvial cones.

SOIL TYPE

Variable according to the position: Petrogypsic Calcium on the pleistocene terrace; loam, sandy, clayey in the cones, a presence of stones; loam, silty clay inadequately drained in the fluvial terrace.

VARIETIES
Malbec
Cabernet Sauvignon
Chardonnay
Pinot Noir
Merlot
Sauvignon Blanc



NEUQUÉN | San Patricio del Chañar

Terroir characteristics



- Located 37 miles to the northwest of the province's capital (in Añelo Department GI), it has been chosen by the largest winegrowing establishments.
- In the last few years, the vineyards of this valley have grown rapidly in extension and importance.



Malbec | Cabernet Sauvignon | Merlot | Pinot Noir | Chardonnay



LOCATION Viticultural Areas

38° 37'
SOUTH LATITUDE
68° 18'
WEST LONGITUDE



CULTIVATED
SURFACE
for vinification*

Ha: 1.592,2

Ac: 3.934,49



ALTITUDE Of the vineyards

320 - 415 masl

1.100 - 1.362 fasl



TEMP.
Annual Average

9/13° C 48,5/55° F



90,25% of the Cultivated surface

in the province



RAINFALL Annual Average

80/120 mm/year 3,2/4,7 in/year



SOIL Profile

Aluvional soils. Sandy-clay-loam and calcareous soils in the highest parts of the valley.



RÍO NEGRO

Terroir characteristics





LOCATION Viticultural Areas

37° 52′ - 40° 45′

63° 16′ - 67° 47′

WEST LONGITUDE



CULTIVATED SURFACE for vinification*

Ha: 1.526,2

Ac: 3.771,39



ALTITUDE Of the vineyards

4- 370 masl

13 -1.214 fasl



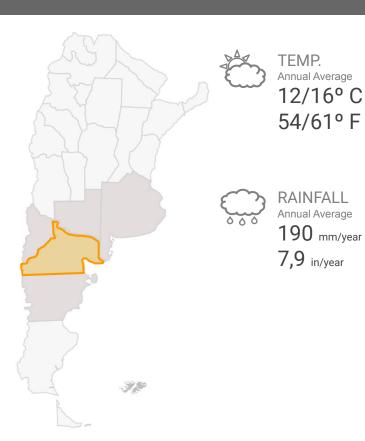
) HIGHLIGHTS

- Series of valleys located in the basin of the Colorado and Negro rivers, which cross the province from west to east.
- The lower valley of Río Negro receives the influence of the Atlantic ocean.



0.77% of the country

41.7% of the region



RÍO NEGRO

Varieties



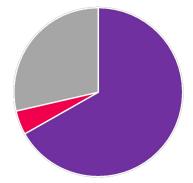
8

MAIN GRAPE VARIETIES

Distribution by colour*



Red grapes White grapes Pink grapes



66,6% 29%

4,4%

MAIN GRAPES
VARIETIES
Most Planted*

Malbec | Merlot | Torrontés | Pinot Noir | Cabernet | Sauvignon

| | На | Acres | % | % |
|------------------------|--------|-------------------------|--------------------|----------------------|
| RÍO NEGRO | 1526,2 | 3.771,39 | Province | Color |
| Red (vinification) | 1015,9 | 2.510,39 | 66,56% | 100,00% |
| Malbec | 366,6 | 905,91 | 24,02% | 36,09% |
| Merlot | 252,8 | 624,69 | 16,56% | 24,88% |
| Pinot Noir | 126,8 | 313,34 | 8,31% | 12,48% |
| Cabernet Sauvignon | 94,1 | 232,53 | 6,17% | 9,26% |
| Syrah | 62,2 | 153,70 | 4,08% | 6,12% |
| Cabernet Franc | 23,5 | 58,07 | 1,54% | 2,31% |
| Petit Verdot | 12,0 | 29,65 | 0,79% | 1,18% |
| Bonarda | 12,4 | 30,64 | 0,81% | 1,22% |
| Tempranillo | 10,9 | 26,93 | 0,71% | 1,07% |
| Tannat | 0,2 | 0,49 | 0,01% | 0,02% |
| Other | 54,4 | 134,43 | 3,56% | 5,35% |
| Blancas (vinification) | 442,3 | 1.092,97 | 28,98% | 100,00% |
| Torrontés Mendocino | 76,5 | 189,04 | 5,01% | 17,30% |
| Pedro Giménez | 69,0 | 170,51 | 4,52% | 15,60% |
| Torrontés Riojano | 66,7 | 164,82 | 4,37% | 15,08% |
| Torrontés Sanjuanino | 61,1 | 150,98 | 4,00% | 13,81% |
| Sauvignon Blanc | 44,3 | 109,47 | 2,90% | 10,02% |
| Chardonnay | 39,3 | 97,11 | 2,58% | 8,89% |
| Semillón | 35,8 | 88,47 | 2,35% | 8,09% |
| Moscatel de Alejandría | 5,9 | 14,58 | 0,39% | 1,33% |
| Chenin | 4,5 | 11,12 | 0,29% | 1,02% |
| Riesling | 3,4 | 8,40 | 0,22% | 0,77% |
| Viognier | 1,2 | 2,97 | 0,08% | 0,27% |
| Other | 34,6 | 85,50 | 2,27% | 7,82% |
| Pink (vinification) | 67,9 | 167,79 | 4,45% | 100,00% |
| Cereza | 11,3 | 27,92 | 0,74% | 16,64% |
| Criolla Grande | 3,7 | 9,14 | 0,24% | 5,45% |
| Criolla Chica | 0,3 | 0,74 | 0,02% | 0,44% |
| Other | 52,6 | 129,98 _{0.urc} | e: Natio 345% ulti | re In 77,47 % |

Annual Surface Report (12/31/2020 database).



RÍO NEGRO Terroir characteristics



Rio Negro

Alto Valle del Río Negro

Valle Medio

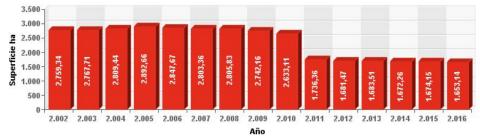
Valle Inferior

₹ 300

₹ 220

VINEYARD SURFACE/ YEAR





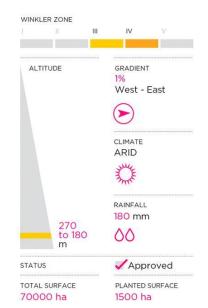
RÍO NEGRO Terroir characteristics



PATAGONIA > RÍO NEGRO

GENERAL ROCA > GENERAL ROCA

RÍO NEGRO





RÍO NEGRO Terroir characteristics



GENERAL ROCA > GENERAL ROCA

RÍO NEGRO

LANDSCAPE MORPHOLOGY
Pleistocene terraces, fluvial terraces,
alluvial and colluvial cones.

SOIL TYPE

Variable according to the position: Petrogypsic Calcium on the pleistocene terrace; loam, sandy, clayey in the cones, a presence of stones; loam, silty clay inadequately drained in the fluvial terrace.

VARIETIES
Malbec
Cabernet Sauvignon
Merlot
Pinot Noir
Sauvignon Blanc

ALLUVIAL

Sand. clay and lime

Sand. clay
and lime.
not perfectly
drained

1.8

ALLUVIAL

0

Water

METERS

METERS

RÍO NEGRO | Upper Valley

Terroir characteristics



- It is a 100 mile-long (160km), 6 mile-wide (10 km) oasis standing in the Patagonian plateau. It develops mostly on the north margin of the upper course of the Negro River.
- The GI Alto Valle de Río Negro includes the departments of General Roca and El Cuy (Río Negro); Confluencia and Añelo (Neuquén).



MAIN GRAPES VARIETIES

Most planted (General Roca, El Cuy, Confluencia and Añelo Departments)*

Malbec | Merlot | Pinot Noir | Torrontés | Chardonnay



LOCATION

Viticultural Areas

38° 30′ - 39° 05′ south latitude

66° 45' - 68° 30'

WEST LONGITUDE



CULTIVATED

SURFACE for vinification*

Ha: 2.893,9

Ac: 7.151,12



ALTITUDE

Of the vineyards

180 - 265 masl

590 - 870 fasl



TEMP.
Annual Average

15,5° C 59,9° F



90,25% of the Cultivated surface

in the province



RAINFALL Annual Average

197,7 mm/year 7,78 in/year



SOIL Profile

Soils of fluvial origin, poor in organic matter. Stony subsoil, gravel type, with granulometries that can go from 3 to 10 cm in diameter. Mixed clay and sandy loam soils with different percentages of gravel in surface, which range from 5% to 30%.

RÍO NEGRO | Lower Valley

Terroir characteristics





LOCATION Viticultural Areas

40° 41′ south latitude 63° 64′ west longitude



CULTIVATED SURFACE for vinification*

Ha: 98.1

Ac: 241,41



ALTITUDE
Of the vineyards

4 - 16 masl

13 - 53 fasl



HIGHLIGHTS

 It is located to the east of the province of Río Negro (Adolfo Alsina Department). It extends over 100 km from west to east following the southern margin of the Negro River. The area receives the influence of the Atlantic ocean.



MAIN GRAPES VARIETIES

Most planted (Adolfo Alsina Dept.)*

Malbec | Cabernet Sauvignon | Merlot | Sauvignon Blanc | Pinot Noir





6,4%
Of the cultivated surface of the province



TEMP.
Annual Average

14,1° C

57,4° F



RAINFALL Annual Average

 $408 \ \mathsf{mm/year}$

16,06 in/year







WINOS DEL SOL

U\$S 15.00.-

WAPISA SAUVIGNON BLANC WAPISA

bodega-tapiz.com.ar

2020 | 100 % Sauvignon Blanc | Still White | ABV 13.20% | Los Acantilados Estate, San Javier, Atlantic Patagonia, Río Negro | 100 mts.







WINESELLERS LTD

U\$\$ 30.00.-

POLÍGONOS SAN PABLO VERDEJO FAMILIA ZUCCARDI

familiazuccardi.com

2020 | 100% Verdejo | Still White | ABV 13.3% | San Pablo, Uco Valley, Mendoza | 1400 mts.







MPORTER
PAUL HOBBS SELECTION

U\$\$ 18.00.-

SAURUS SELECT PINOT NOIR FAMILIA SCHROEDER

familiaschroeder.com

2019 | 100% Pinot Noir | Still red | ABV 14% | Neuquén, Patagonia | 300 mts.







THE WINE GROUP

U\$\$ 25.00.-

TRAPICHE MEDALLA MALBEC TRAPICHE

trapiche.com.ar

2018 | 100% Malbec | Still red | ABV 14.5% | Luján de Cuyo and Maipú, Mendoza | 1250 mts.







GUARACHI WINE PARTNERS

U\$\$ 45.00.-

KAIKEN OBERTURA CABERNET FRANC KAIKEN WINES

kaikenwines.com

2018 | 100% Cabernet Franc | Still red | ABV 14.5% | Los Chacayes, Uco Valley, Mendoza | 1250 mts.







MPORTER
FREDERICK WILDMAN

U\$S 23.00.-

EL ESTECO CABERNET SAUVIGNON EL ESTECO

elesteco.com.ar

2019 | 100% Cabernet Sauvignon | Still red | ABV 14% | Cafayate, Salta, Calchaquí Valley | 1800 mts.







UNITED CELLARS

U\$\$ 40.00.-

ESCORIHUELA 1884 MEG BODEGAS ESCORIHUELA

escorihuelagascon.com.ar

2018 | 60% Malbec, 40% Cabernet Sauvignon | Still red | ABV 14.5% | San José, Tupungato and El Cepillo, San Carlos; Uco Valley, Mendoza | 1300/1080 mts.







TAUB FAMILY SELECTIONS

U\$\$ 65.00.-

CARO BODEGAS CARO

bodegascaro.com

2017 | 74% Malbec, 26% Cabernet Sauvignon | Still Red | ABV 14% | Paraje Altamira, Uco Valley, Mendoza | 1200 mts.







SARANTY IMPORTS

U\$S 20.00.-

UNÁNIME GRAN VINO TINTO MASCOTA VINEYARDS

mascotavineyards.com

2017 | 60% Cabernet Sauvignon, 25% Malbec, 15% Cabernet Franc | Still red | ABV 14,07% | La Consulta, San Carlos, Uco Valley, Mendoza | 1000 mts.







winesofargentina.com



