GARNACHA TINTA

Variety from Spain (Garnacha), grown later in the south of France (Grenache), it has recently spread to Sardinia (Cannonau) and later in Veneto, in the province of Vicenza (Tocai Rosso) and Umbria (Gamay Perugino).

Ampelographic characters: the variety has a high variability both in terms of vigour and cluster shape/size. The bud has a slightly open greenish-yellowish apex with wine-red edges and sparse prostrate hairs. The medium, rounded, three-lobed leaf has an open lyre-shaped petiolar sinus. The lower side is hairless. The medium, pyramidal-truncated, compact, winged cluster holds a medium-sized elliptical berry of an irregularly distributed blue-violet hue, with a quite thick and pruinose skin and a juicy pulp with simple taste.
Cultural aptitude: very vigourous variety with upright growth habit, with medium-robust shoots and short internodes. Well adaptable to different growing areas. It is incline towards warm climates and, in northern areas, well exposed and ventilated hills. The best qualitative results are obtained by growing in slightly acidic, stony or slightly calcareous soils.
Training systems and pruning: adaptable to different systems of pruning, privileging those of medium expansion such as spurred cordon, and short and not too strong pruning.
Bud-burst period: average-late.
Ripening period: average.
Yield: good and constant.
Susceptibility to diseases and adverse conditions: average, slightly susceptible to botrytis in colder, wetter climates. Susceptible to magnesium deficiency. It has an important incompatibility with SO4 and 140Ru; it sometimes shows thickening of the grafting point just since the plantation, especially on SO4, 779 Paulsen and 140Ru.
Enological potential: it produces wines of light ruby-red colour, with a pleasant and particular fruity harmonious and light-structured taste. In warm areas it can produce a rosé wine, with delicate, fruity, and pleasant bouquet. Normally the potential for sugar accumulation is high, but the colour falls quickly, and the acidity is generally low, so it is necessary to limit vigour and productivity with proper management.
Clones in propagation: Garnacha (Italian clones) VCR3, VCR23, CAPVS1, CAPVS2, CAPVS5, CFC13, 1ISVICAPG, ISV-C.VI3, ISV-C.VI17; (Spanish clones) CL-53, CL-55, CL-288, CL-294, ARA2, ARA4, ARA6, ARA24, EVENA11, EVENA13, EVENA14, EVENA15, EVENA22, EVENA34; (French clones) Inra-Entav 70, 135, 136, 139, 362.
Clones undergoing homologation procedure: Garnacha VCR256.

CULTIVATED AREA IN SPAIN

YEAR	1990	1999	2009
HECTARES	169,093	105,604	69,400

CULTIVATED AREA IN FRANCE

YEAR	1958	1968	1979	1988	1998	2006
HECTARES	24,886	51,931	77,669	86,715	91,619	98,644

CULTIVATED AREA IN ITALY

YEAR	1970	1982	1990	2000	2010
HECTARES CANNONAU	13,293	15,232	11,457	6,228	7,667
HECTARES TOCAI ROSSO	254	460	n.d.	383	137

GARNACHA TINTA

VCR3

(Tocai Rosso biotype)

Origin: Barbarano (VI)

Registration year: 1992

▼ VARIETY AVERAGE

VIGOUR
CLUSTER
BERRY
YIELD

Enological potential: for young or short-medium aging wines with good structure; fruity.

GARNACHA TINTA

VCR23

Origin: Alghero (SS)

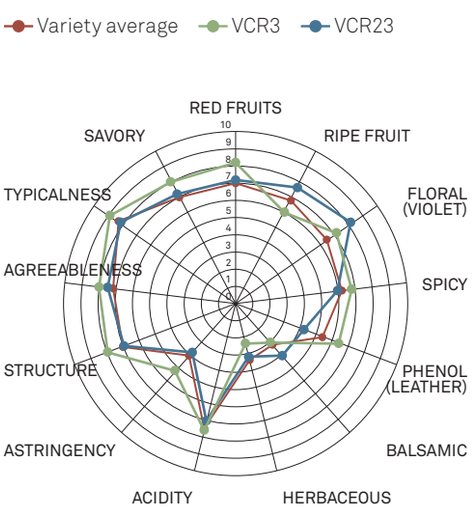
Registration year: 2006

▼ VARIETY AVERAGE

VIGOUR
CLUSTER
BERRY
YIELD

Enological potential: for fruity wines, and also for long aging wines of medium structure, with delicate fruity-floral bouquet.

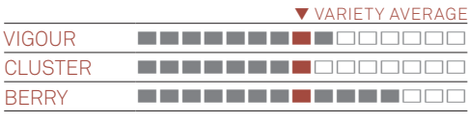
SENSORY ANALYSIS



GARNACHA TINTA

CAPVS1

Origin:
Dorgali, Sardinia (Italy)



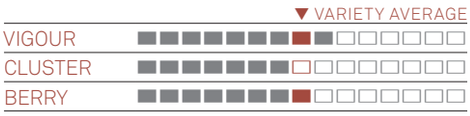
Enological potential: it produces a wine of good colour, delicate aromas and dry and soft taste. Suitable to light aging. Less susceptible clone to powdery mildew.

Registration year: 1994

GARNACHA TINTA

CAPVS2

Origin:
Dorgali, Sardinia (Italy)



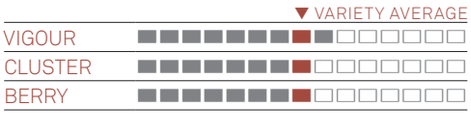
Enological potential: it produces a wine of delicate and persistent aromas, dry and soft taste. Excellent typicity. Less susceptible clone to powdery mildew.

Registration Year: 1994

GARNACHA TINTA

CAPVS5

Origin:
Dorgali, Sardinia (Italy)



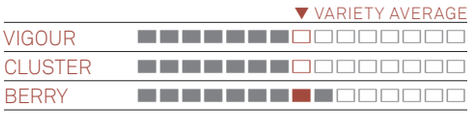
Enological potential: it produces a wine of elegant and persistent aromas, of excellent structure and harmony. Suitable to medium-long aging.

Registration year: 1991

GARNACHA TINTA

CFC13

Origin:
Tertenia, Sardinia (Italy)



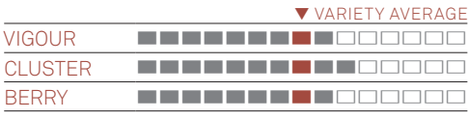
Enological potential: it produces a wine of excellent, ruby red colour with violet reflections, intense, harmonic aromas and good structure. Suitable to medium-long aging. It is a clone less susceptible to botrytis, but more susceptible to coulure and downy mildew.

Registration year: 1993

GARNACHA TINTA

CL-53

Origin:
Castille and Leon



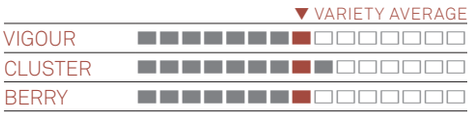
Enological potential: productive clone with excellent sugar content; it gives wines of excellent aromatic complexity but with less than average polyphenolic index.

Registration year: 2000

GARNACHA TINTA

CL-55

Origin:
Castille and Leon



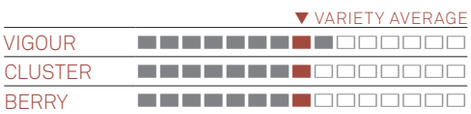
Enological potential: clone of good yield, with good sugar content. Excellent aromatic complexity.

Registration year: 2000

GARNACHA TINTA

CL-288

Origin:
Castille and Leon



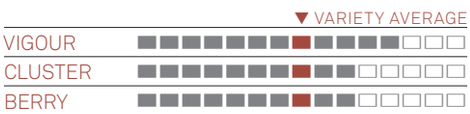
Enological potential: clone of good yield, with good sugar content. Excellent aromatic complexity.

Registration year: 2000

GARNACHA TINTA

CL-294

Origin:
Castille and Leon



Enological potential: clone of good yield, excellent acidity and good sugar content. It is not complex aromatically.

Registration year: 2000

Source: Instituto Tecnológico Agrario de Castilla y León

GARNACHA TINTA

ARA-2

Origin: Aragon

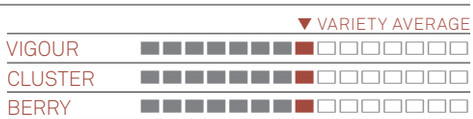
Enological potential: less productive clone; it produces more alcoholic and coloured wines than average.

Registration year: 2006

GARNACHA TINTA

ARA-4

Origin: Aragon



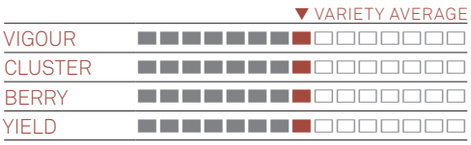
Enological potential: average-productive clone. The evaluation of the wine complexity is good.

Registration year: 2006

GARNACHA TINTA

ARA-6

Origin: Aragon



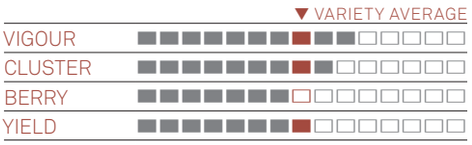
Enological potential: average-productive clone. The evaluation of the wine complexity is good.

Registration year: 2006

GARNACHA TINTA

ARA-24

Origin: Aragon



Enological potential: clone of excellent productivity and higher alcohol content than average. The evaluation of the wine complexity is good.

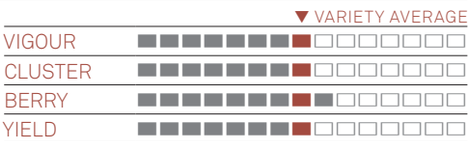
Registration year: 2006

Source: Informaciones Técnicas del Departimento de Agricoltura y Alimentacion del Gobierno de Aragon

GARNACHA TINTA

EVENA11

Origin: Sada, Baja Montaña and Valdizarbe (Navarre)



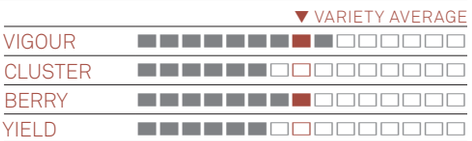
Enological potential: it produces wines of excellent colouring and aromatic intensity, of high-medium structure.

Registration year: 2002

GARNACHA TINTA

EVENA13

Origin: Liédena, Baja Montaña and Valdizarbe (Navarre)



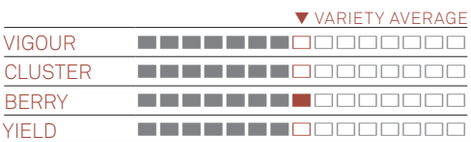
Enological potential: it produces wines of higher colouring intensity.

Registration year: 2002

GARNACHA TINTA

EVENA14

Origin: Liédena, Baja Montaña and Valdizarbe (Navarre)



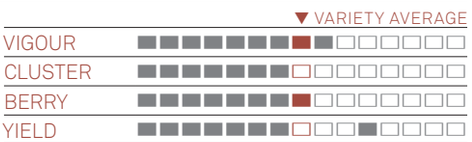
Enological potential: it produces wines of medium quality.

Registration year: 2002

GARNACHA TINTA

EVENA15

Origin: Azagra, Tierra Estella and Rioja Navarra (Navarre)



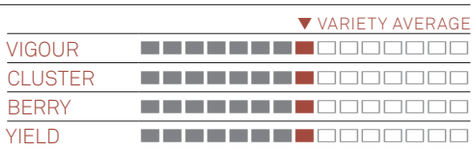
Enological potential: it produces wines of excellent colouring intensity.

Registration year: 2002

GARNACHA TINTA

EVENA22

Origin: Cascante, Ribera Baja (Navarre)



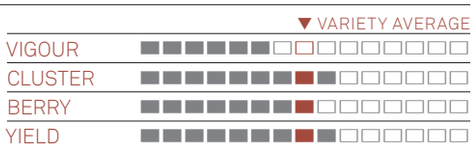
Enological potential: clone of medium productive capacity.

Registration year: 2002

GARNACHA TINTA

EVENA34

Origin: Sada, Baja Montaña and Valdizarbe (Navarre)



Enological potential: clone of excellent productivity, with good colour potential and polyphenols. Superior wines are obtained by limiting the yield.

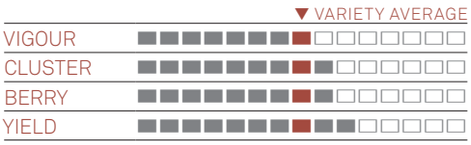
Registration year: 2002

Source: EVENA, Estacion de Viticultura y Enologia de Navarra

GARNACHA TINTA

INRA-ENTAV70

Origin:
Vaucluse (France)



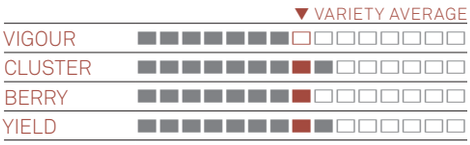
Enological potential: it produces a not very intense ruby-red wine, with fruity aromas, suitable to the production of young wines.

Registration Year: 1971

GARNACHA TINTA

INRA-ENTAV135

Origin: Aude (France)



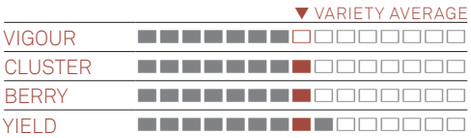
Enological potential: it produces a wine of good colouring intensity and good structure.

Registration Year: 1972

GARNACHA TINTA

INRA-ENTAV136

Origin: Aude (France)



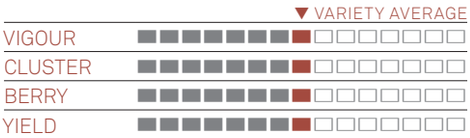
Enological potential: it produces a wine of good colouring intensity, harmonious taste and excellent structure.

Registration Year: 1972

GARNACHA TINTA

INRA-ENTAV362

Origin:
Vaucluse (France)



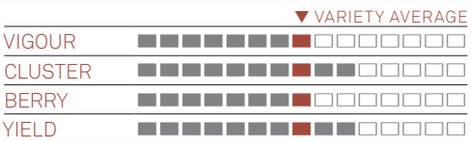
Enological potential: it produces a wine of good colouring intensity, harmonious taste and excellent structure.

Registration Year: 1975

GARNACHA TINTA

ISV-C.VI-3

Origin: Barbarano, Veneto (Italy)



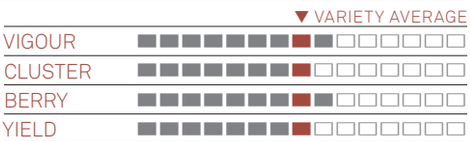
Enological potential: it produces a not very intense ruby-red wine, with fruity aromas and a harmonious, slightly bitterish taste. Suitable to the production of young wines.

Registration Year: 1990

GARNACHA TINTA

ISV-C.VI-17

Origin: Barbarano, Veneto (Italy)



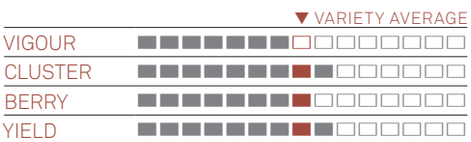
Enological potential: it produces a fine wine, with fruity aromas, with an harmonious, not very intense taste. Suitable to the production of young wines.

Registration Year: 1990

GARNACHA TINTA

1ISVICAPG

Origin: Umbria (Italy)



Enological potential: it produces wines suitable for production of young wines.

Registration Year: 2002