

Growing Barbera in Italy: The Performance of Italian Barbera Clones in California

Diego Barison



Barbera Grown in Italy

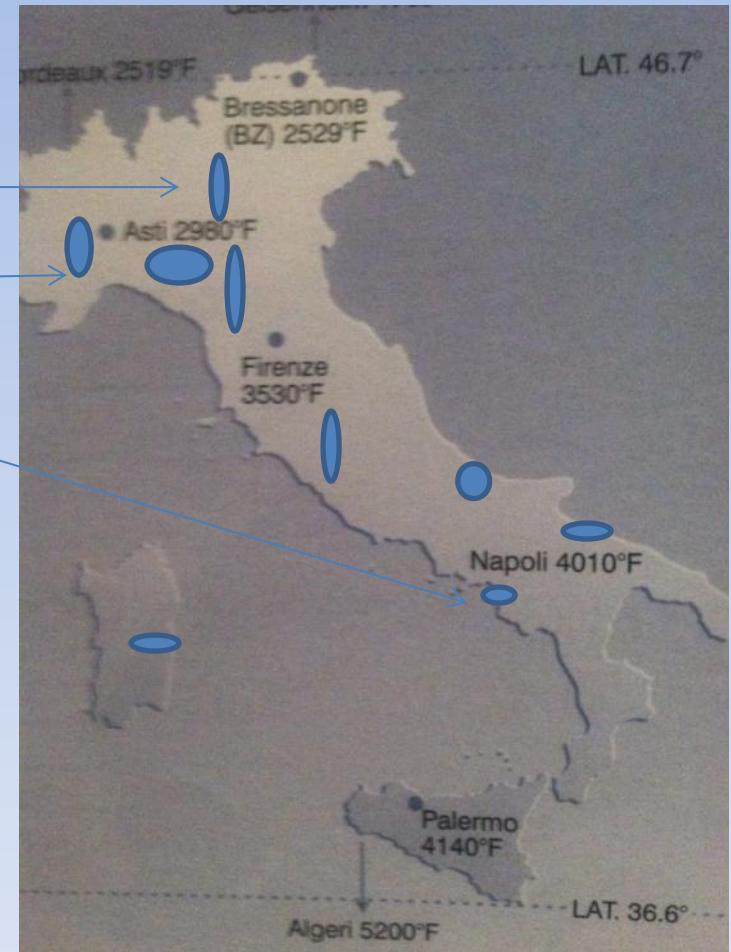
1. Originary from
Monferrato
in Piemonte Region

In the VIII century call *Vitis vinifera*
Montisferratensis



Barbera Grown in Italy

Piemonte, Lombardia,
appennino toscano-emiliano
Campania, Sardegna all over
the South

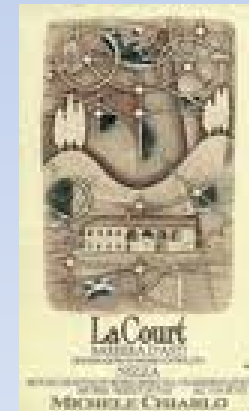


Barbera Doc and Docg = Italian (AVA)

1. 88 Doc and Docg




2. Table wine in the Past

3. Most prestigious Barbera Nizza



Barbera Doc and Docg = Italian (AVA)

**Zona di produzione
e sottozona della Barbera d'Asti d.o.c.**

-  *Area di produzione Barbera D'Asti Superiore - sottozona "Colli Astiani"*
-  *Area di produzione Barbera D'Asti Superiore - sottozona "Nizza"*
-  *Area di produzione Barbera D'Asti Superiore - sottozona "Tinella"*



Barbera Grown in Italy



- In general Guyot pruned, but it can be adapted to other pruning systems
- 2000 or more plants per acre depending on the slope



Barbera Grown in Italy



- VSP is the most used
- MOSTLY 2000 PLANTS PER ACRE
- CLUSTER thinning
- CAREFULL canopy management

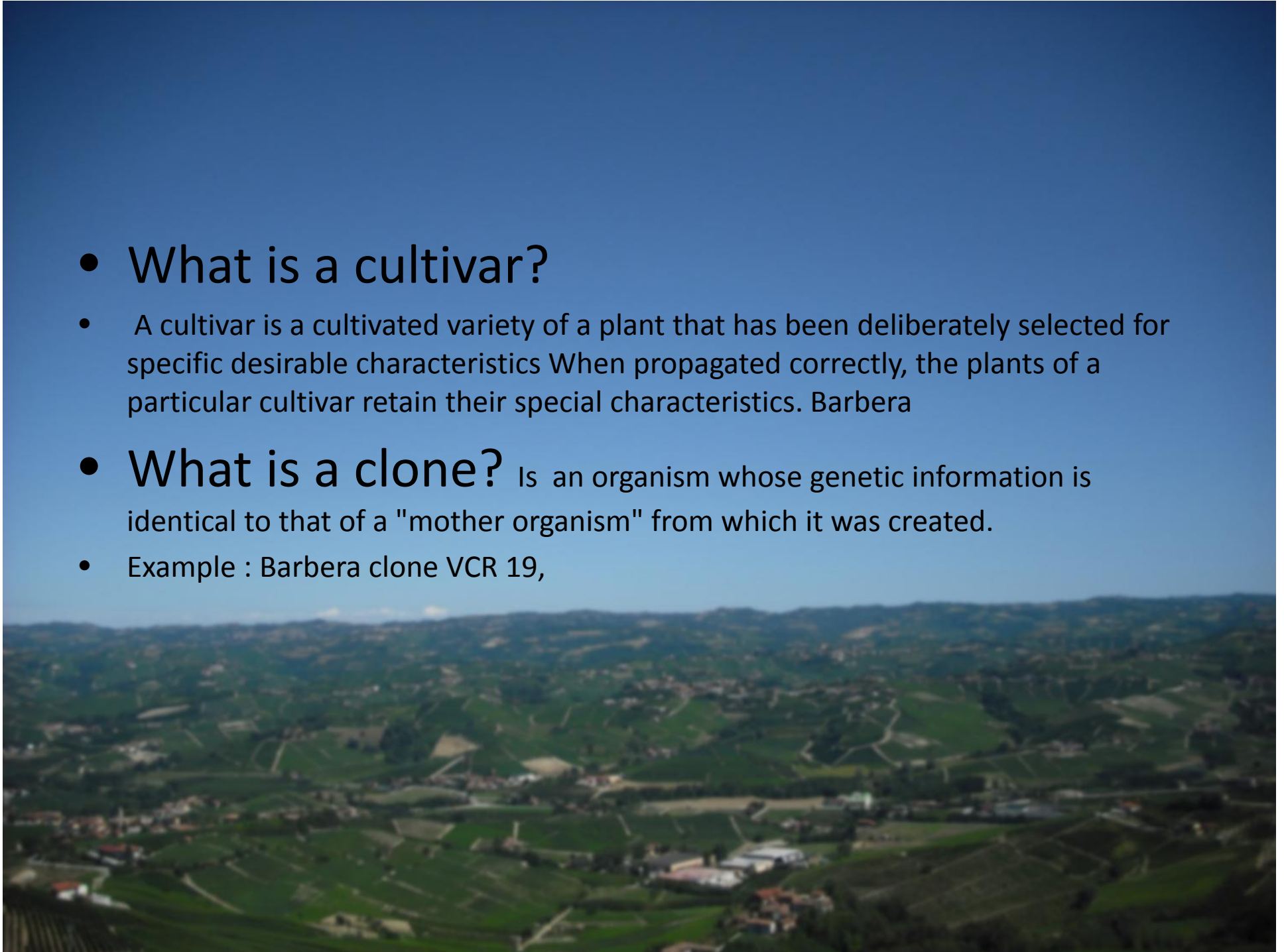


- **What is a cultivar?**

- A cultivar is a cultivated variety of a plant that has been deliberately selected for specific desirable characteristics. When propagated correctly, the plants of a particular cultivar retain their special characteristics. Barbera

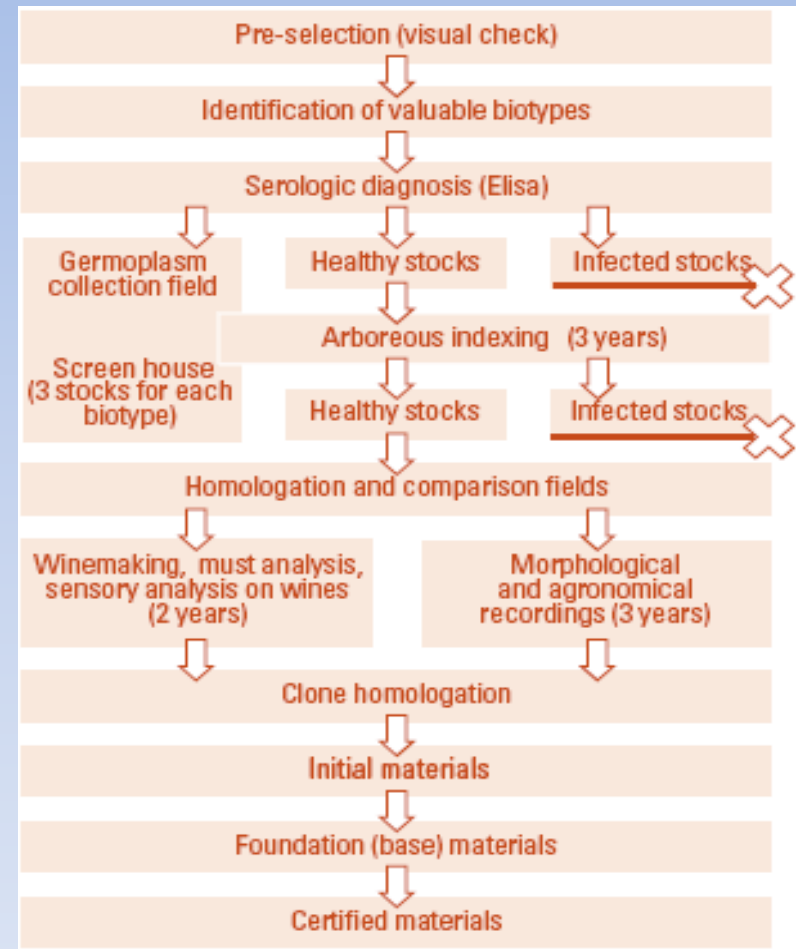
- **What is a clone?** Is an organism whose genetic information is identical to that of a "mother organism" from which it was created.

- Example : Barbera clone VCR 19,



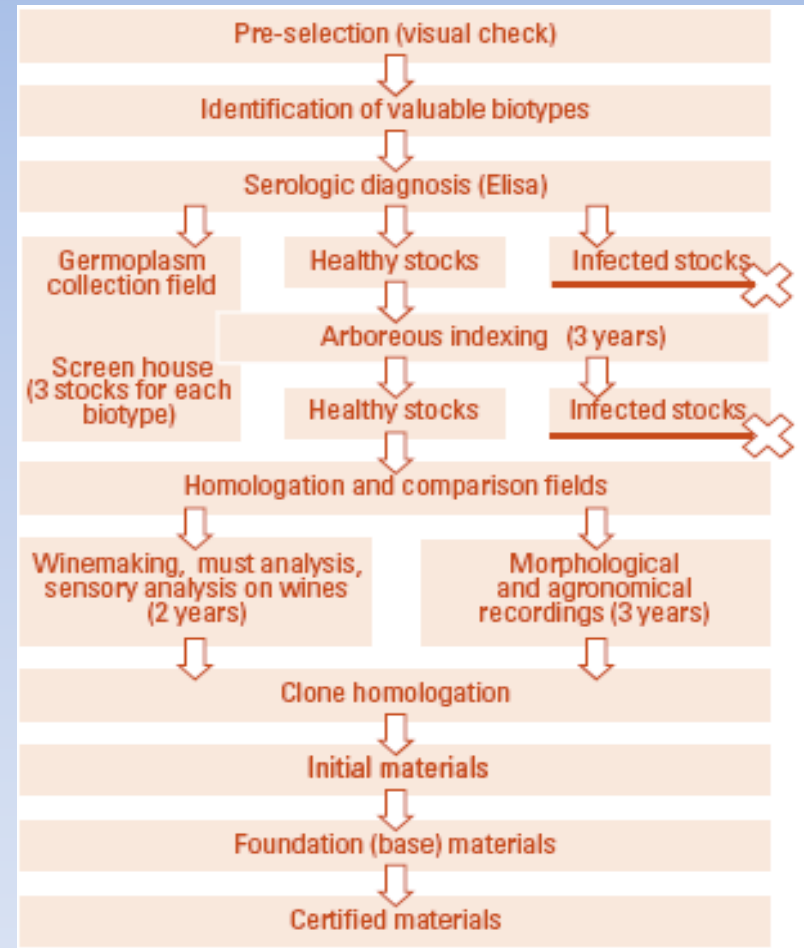
Barbera Grown in Italy

CLONAL SELECTION PROCESS



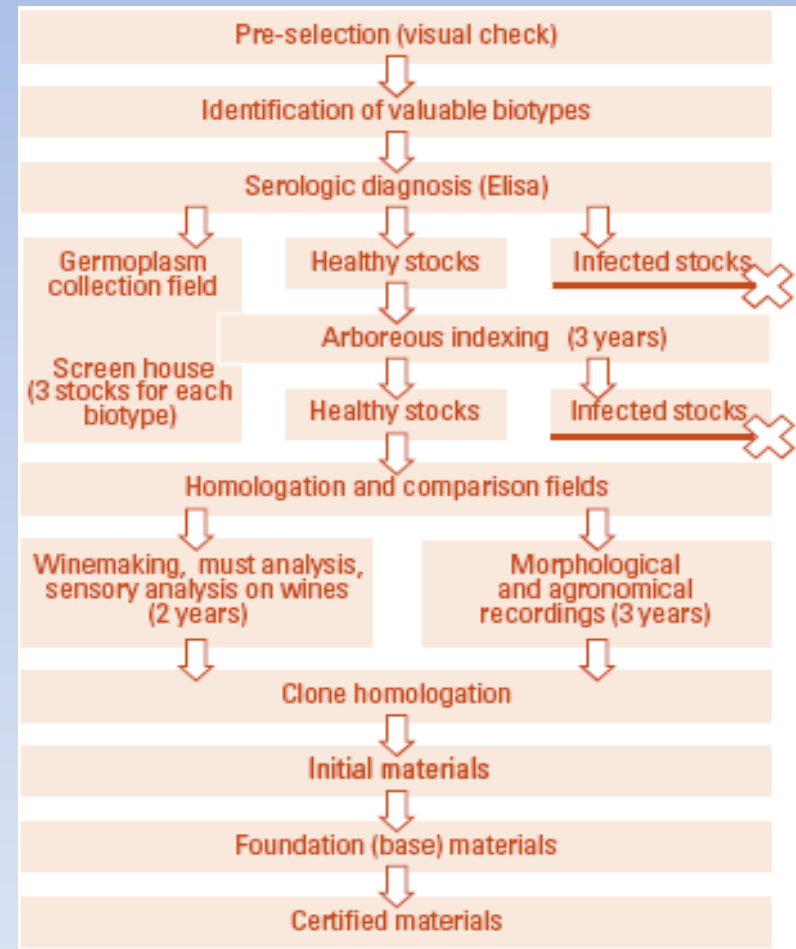
Barbera Grown in Italy

CLONAL SELECTION PROCESS



Barbera Grown in Italy

CLONAL SELECTION PROCESS

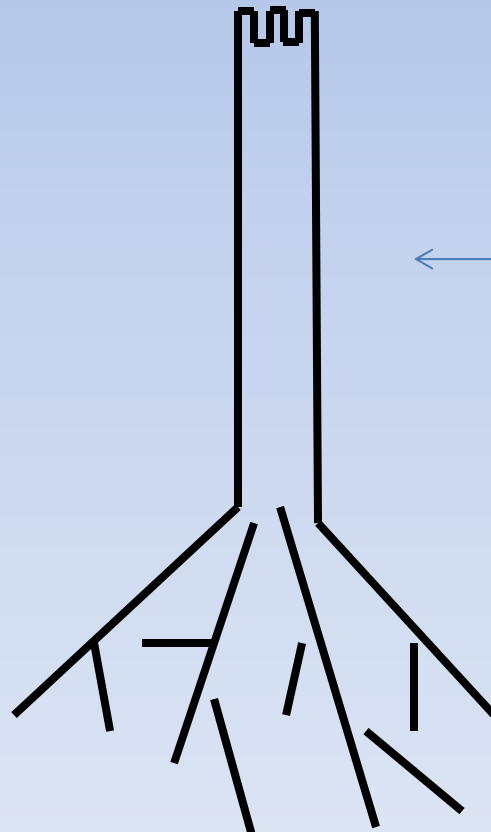


Barbera Grown in Italy

CLONAL SELECTION PROCESS



Barbera VCR 19



S04



Barbera clones

From Vivai Cooperativi Rauscedo

Rauscedo 04	1969
<u>VCR 19</u>	2006
VCR 101	2006
VCR 433	2008
VCR 207	2008
VCR 233	2008
<u>VCR 15</u>	in progress



Barbera clones

from University of Turin and CNR

<u>AT 84</u>	<u>1980</u>
CVT AL 115	1990
<u>CVT AT 171</u>	<u>1990</u>
CVT AT 424	1990
CVT 83	2001
CVT OB 66	2008
CVT GJ1	2008



Barbera clones

from University of Milan
and University of Piacenza

MI-B-34 1976

MI-B-12 1976



PC-BA-9 1979

PC-BA-26 1979



Barbera clones

Ampelos Italia

BAR- Ampelos 45

BAR-Ampelos 47



BARBERA CVT AT 83



- Origin Calosso ASTI
- Heat treatment
 - Cluster:medium-large
 - Berries:small
- Vigor:medium-high
- Budbreak: earlier than other clones
- Flowering: : earlier than other clones
- Verasion: : medium
- Maturation: : earlier than other clones
- Wine: deep Rubin reed with violet tones,(antoc.217mg/l) round, full body, structured, Acidity pH3,24 TA 8.8g/l



BARBERA AL 115



Origin Carpeneto Alessandria

- Cluster: medium small, longer than AT84,
- Berries: medium-large
- Vigor: high
- Budbreak: medium
- Flowering: medium
- Verasion: medium-late
- Maturation: medium
- Wine: high alcohol, Rubin red, high intensity (antoc. 160mg/L), medium to long aging, high on polyphenol



BARBERA BAR-Ampelos 47



Origin San Marzano Oliveto ASTI

- Cluster: small
- Berries: small

- Vigor: medium

- Budbreak: medium
- Flowering: medium
- Verasion: medium-early
- Maturation: early

- Wine: in progress



BARBERA AT 84

Origin Calosso ASTI



- Cluster: medium small
- Berries: medium

- Vigor medium

- Budbreak: medium-early
- Flowering: medium
- Verasion: medium
- Maturation: medium-early

- Wine: Rubin red, medium intensity, (antoc. 150mg/l), good body and good acidity.



BARBERA VCR15

Origin Calosso ASTI



- Cluster: Medium-small, lower than average weight
- Berries: medium
- Fertility: Good

- Vigor: Medium vigor; good, consistent production.
- Budbreak: medium-early
- Flowering: medium
- Verasion: medium
- Maturation: medium

- Wine: General: deep ruby red; delicate, fruity aroma; fruity taste, good structure, suitable for long aging.



BARBERA VCR 19

Origin Calosso ASTI



- ❑ Cluster: Small, lower than average weight
- ❑ Berries: Medium.
- ❑ Fertility: Moderately higher than average

- ❑ Vigor: Medium vigor and constant productivity
- ❑ Budbreak: medium-early
- ❑ Flowering: medium
- ❑ Verasion: medium
- ❑ Maturation: medium

- Wine : *General*: ruby red; spicy flavors; good body and structure; adaptable for long aging



THANKS to


Foothill Grapegrowers

Novavine Nursery

Vivai Cooperativi Rauscedo

Ampelos Italia



I 

Barbera

Barbera Meeting 2010 Asti