

DEMO FARM	CNV
Farm name	<i>Az. Fontana di Piaggi Maurizio</i>
Project area	Oltrepò Pavese
Demonstrative vineyard	
Variety	Pinot Noir
Rootstock	SO4
Training system	Guyot
Vine spacing	2.50 x 0.90 m
Row orientation	E-W
Altitude	400 m a.s.l.
Geographical localization	44°56'14.78"N - 9°16'18.65"E



Figure 34: CNV DEMO vineyard with Cereals based cover crop (C).

Action plan description

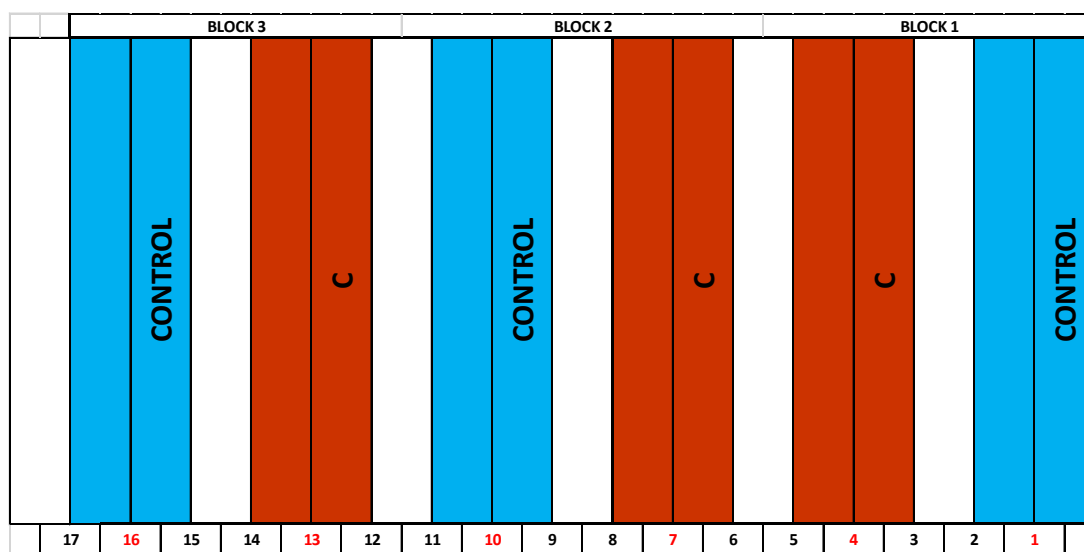


Figure 35. Experimental map of CNV DEMO vineyard. For each treatment 3 blocks were defined and, in each row, 3 plants were tagged for vine production assessment.

Resilience techniques applied

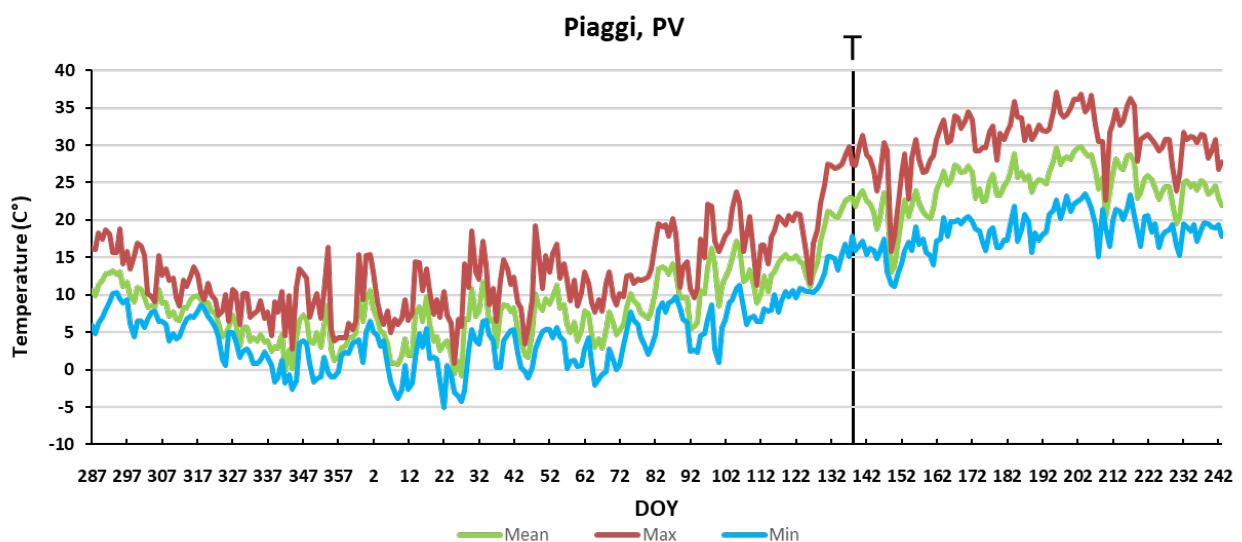
Techniques	Description
R	Between rows space grassed with the C seeds mixture and then finished using the rolling technique for a mulching effect.
Control	Ordinary farm management with grassed inter-row, mowed sub-row.

What we do

Activities	Date	Notes
Season 2021		
Sowing	Late spring	Cover crop: C
Termination	20 th May	Rolled
Harvest	1 st September	
Pruning	27 th January (2022)	
Activities	Date	Notes
Season 2022		
Sowing	14 th October (2021)	Cover crop: C
Termination	19 th May	Rolled
Harvest	23 rd August	
Pruning		Not yet performed

Data collected

Meteorological data (season 2022)



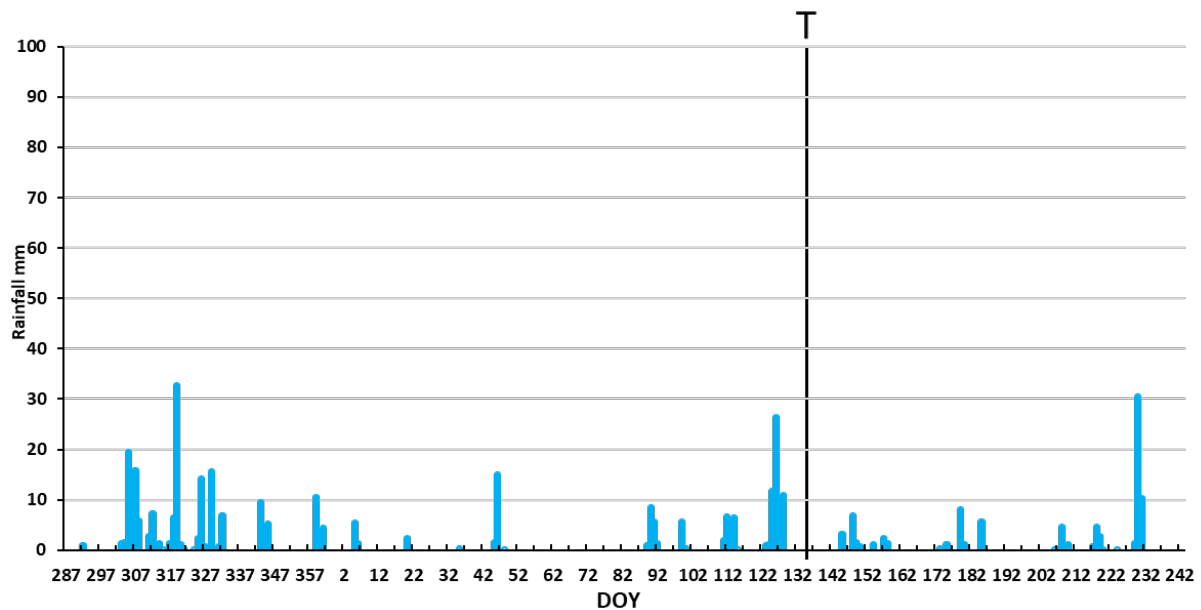


Figure 36. Temperature and Rainfall from sowing 14/10/21 to harvest 23/08/22.

Activities

The CNV vineyard is where the most severe drought occurred, affecting both cover crop growth and the resulting rolling technique. The production we harvested for analysis was scarce due to extreme water and temperature stress.



Figure 37. Photos from Biomass evaluation 17/05/2022 and harvesting 23/08/2022.