

<b>DEMO FARM</b>	<b>VCB</b>
<b>Farm name</b>	<i>Ampeli Antonio</i>
<b>Project area</b>	Colli Piacentini
<b>Demonstrative vineyard</b>	
<b>Variety</b>	Croatina
<b>Rootstock</b>	K5BB
<b>Training system</b>	Guyot
<b>Vine spacing</b>	2.5 x 1.00 m
<b>Row orientation</b>	E-W
<b>Altitude</b>	250 m a.s.l.
<b>Geographical localization</b>	44°59'29.56"N - 9°21'25.17"E



Figure 8: VCB Demo vineyard.

## Action plan description

	F17	F15	F13	F11	F9	F7	F5	F3	F1
BARBERA	B	C	CONTROL	N	C	B	N	CONTROL	
	F16	F14	F12	F10	F8	F6	F4	F2	
	BLOCK 2				BLOCK 1				

Figure 5: experimental map VCB. For each treatment 2 blocks were defined and, in each block, 5 plants were tagged for vine behavior assessment.

## Resilience techniques applied

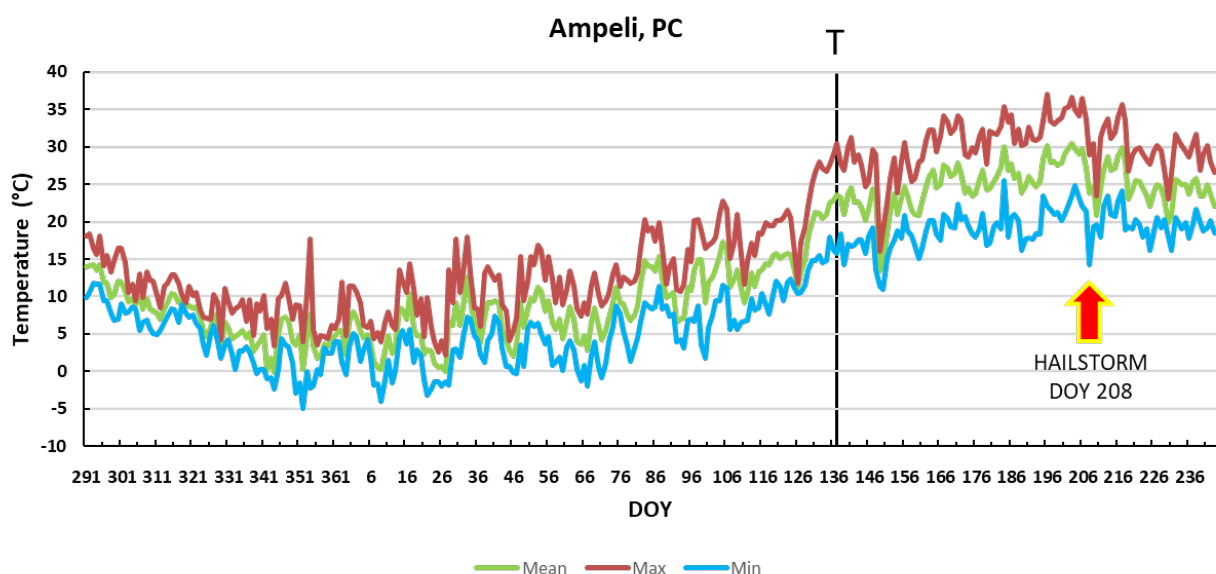
Techniques	Description
<b>N</b>	Between rows space grassed with the <b>N seeds mixture</b> and then finished with green manure technique (GM).
<b>B</b>	Between rows space grassed with the <b>B seeds mixture</b> and then finished with green manure technique (GM).
<b>C</b>	Between rows space grassed with the <b>C seeds mixture</b> and then finished with green manure technique (GM).
<b>Control</b>	Standard farm management with tilled inter-row and under-row

## What we do

Activities	Date	Notes
<b>2021</b>		
Sowing	Late spring	
Termination	10-15 of May 2021	
Harvest	21 of September 2021	
Pruning	12 of January 2022	
Activities	Date	Notes
<b>2022</b>		
Sowing	15 October 2021	mixtures: N, B and C
Termination	12-16 of May 2022	green manure
Harvest		not harvested due to hail
Pruning		Not yet performed

## Data collected

### Meteorological data (season 2022)



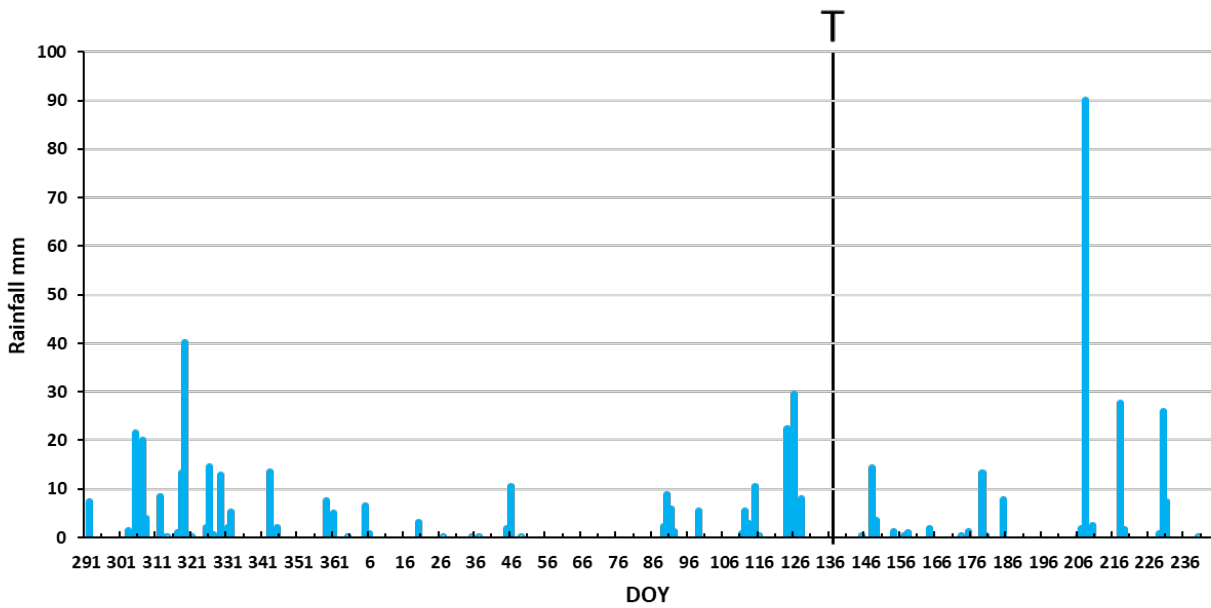


Figure 6: Temperature and Rainfall from sowing 15/10/21 to 31/08/22.

## Activities



Figure 7: biomass assessment (12.05.2022)

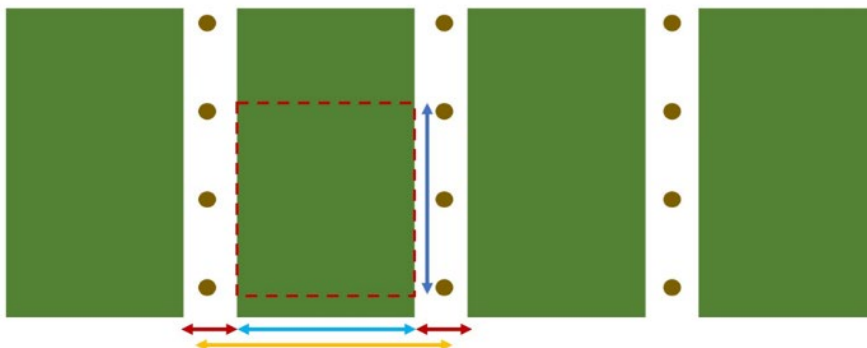


Figure 82: biomass assessment scheme.

The evaluation of the growth of the mixtures is usually carried out just before terminations and consists of biomass sampling of areas between the rows (Fig.12). The samples are then weighed directly in the field while the dry matter assessment is conducted later in the laboratory. The biomass formed during the winter and spring was good enough for the green manure technique. Unfortunately, a hailstorm that occurred at the end of July (photos below) completely compromised the harvest and the analyses to be carried out on the grapes. Further evaluation will be carried out on the pruning wood.



*Figure 13: the vineyard after the hailstorm (29.07.2022)*