

PRIMARY SCHOOL - VELI VRH PULA, CROATIA

N 44.8912

E 13.8480





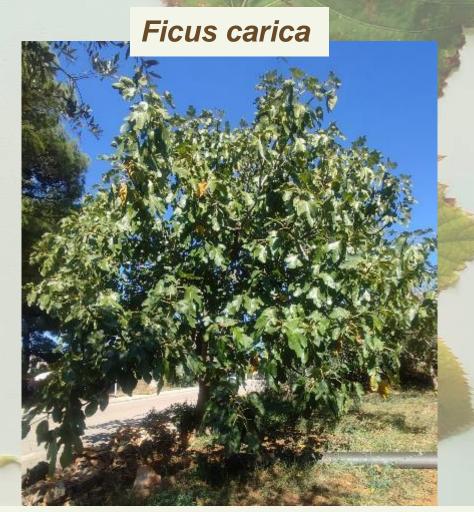


GREEN – DOWN ACTIVITIES

ACTIVITY 1 – MY TREES



N 44.891109 E 13.847583 42.5m



N 44.891996 E 13.846299 37.1m

Tilia cordata



- Both trees are located next to the school
- We started observation on September 22, 2023.
- The curent air temperature was 26.5 degrees, it was partly cloudy and the ground was muddy because it had rained the day before.

Ficus carica



ACTIVITY 2 – COLOR CHANGE

Tilia cordata



The dominant color for both trees is 5GY 3/2





OUR ACTIVITIES DURING A MONTH AND A HALF OF OBSERVATION















Tilia cordata

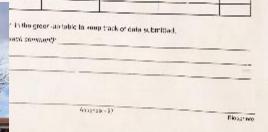
Green-down

Tree, Shrub, and Grass Green-Down Data Sheet
Sched Name: 0.5 VEV VEX PULA Study Site. LIPA
Observer Names: 2004, 5454, 4446, FARD, LIBIN MANESA, TAMARA
Plant Scendis Name: Genus TULA (CROOKA Seeds: (LIPA))
Plant Committer Name: 1164 - 34411 (cave) 1146
Green-Up Cycle: Year 1025

	Tree.	Shrub and G	rass Green-d	own		-
Date (day & month)	Leaf 1 (Color, fallen, or snow covered)	Leaf 2	Leaf 3 (Color, fallon, or snow covered)	Leaf 4 (Color, fallen, or snow covered)	Data entry	
29 9.13	50Y 3/2	561 3/2	30 2/2	BGY 3/2	1	lt
7.90.73	5.7 90	561 2/2	56/3/2	567 3/2	V	11 -
6 6 13	5 GY 3/2	5 G Y 3/2	5 67 3/2	5 GY 3/2	V	15:
9.70.23	5/-7 3/2	567 312	567 312	567 3/7	V	L'E
310 13	567 317 1	567 312	N 67 372	Z(X 3/7	N.	It's
1. 10 23	567 312	567 372	564 312	567 3/2_	W.	16-
o, le 23	56Y 3/2	86Y 317	5 GY 3/7	SGY 312	14	生 2
3.E23	567 312 J	564 3/2	564312	564 312	V.	17
0 10 73	567 312	3.57.2 3.14	564 3/2	66Y 3/2	4	Ét.
c. lo. 23	567 3/2	7.38 3 B	237 312	5 87 312	0	Et.
3. (4.6)	267 212	F VER SAS	33× 3/2	5 (4 312	1	14:
0 11/1	70/ 2/4	fg://#	567 312	567 3/2	V	16
10 11 24	3,57K 5/41	fallen	594 4/8	364 418	V	H
92.77	7.578 374	~ ~!! -	501 918	5 67 4/8	V	lt;



We measured and observed the leaves twice a week.





Ficus carica

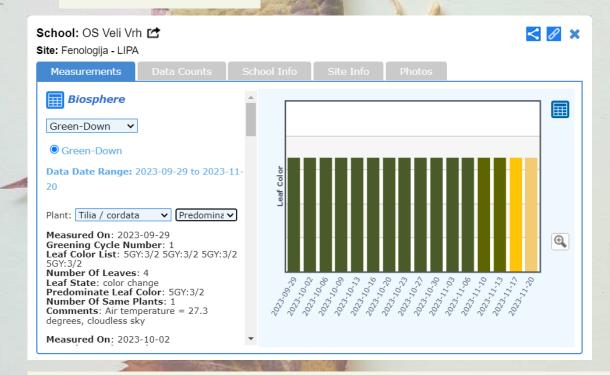


_	Tree.	Shrub and Gr	rass Green-d	own		
Date (day & month)	Leaf 1 (Color, fallen, or snow covered)	Leaf 2 [Calor, fullen, or snow covered]	Leaf3	Leaf 4 (Calor, fallen, or snow covered)	Data entry	
20 9. 23 2 0.23 2 0.23 2 10 23 6 10 23 20 10 23 20 10 23 20 10 20 23 10 2 23 10 2 24 10 2 25 10 2 25 10 2 25 10 2	567 317 567 317 567 317 567 317 567 317 567 317 567 317 567 317	567 317 567 312 567 312 567 372 567 372 567 478 567 478 567 478 7 578 579	567 312 567 312 567 312 567 312 567 312 567 418 569 418 569 418 567 418	567 377 567 377 2,67 474 1,67	V V V V V V V V V V V V V V V V V V V	11 27,5°C 11 = 25 8°C 11 - 27, 3°C 11 - 27, 3°C 14 - 20, 3°C 15 - 213, 1°C

	Check the last enhancing the Comments (date each to	green-up table to keep track of data submitted.
	Seminoses (Cale Say) 3.	1
NEW YEAR		
	DLORF MILE	
		7490120-17

ACTIVITY 3 – MY GREEN - DOWN DATA

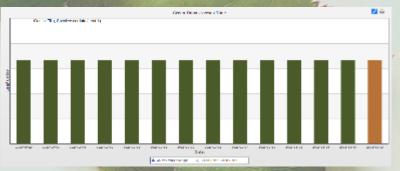
Tilia cordata



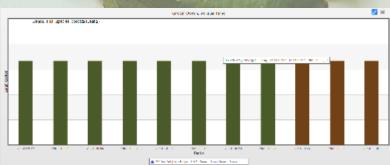
The observation ended on November 24th because all the leaves from the branch we are observing have fallen.

• Since October 25, the weather has been very windy and rainy.

Leaf 1 – fallen 17.11.2023



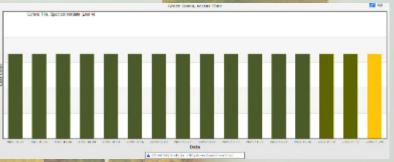
Leaf 2 – fallen 6.11.2023



Leaf 3 – fallen 24.11.2023



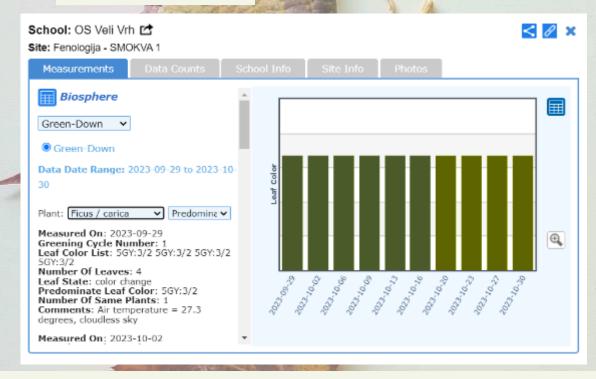
Leaf 4 – fallen 24.11.2023





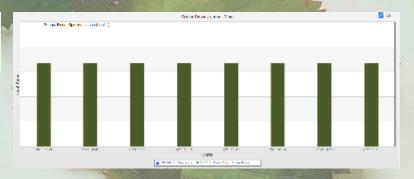
ACTIVITY 3 – MY GREEN - DOWN DATA

Ficus carica

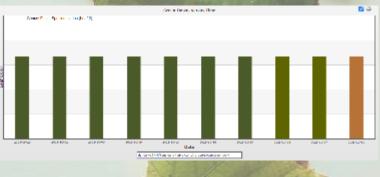


The observation ended on November 3th because all the leaves from the branch we are observing have fallen. We concluded that the color of the fig leaves changed faster than the color of the lime tree leaves and that the fig lost its leaves much faster than the lime tree.

Leaf 1 – fallen 27.10.2023



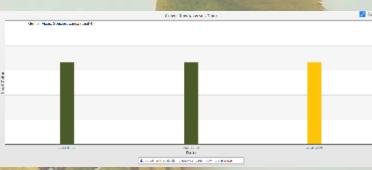
Leaf 2 – fallen 3.11.2023



Leaf 3 – fallen 3.11.2023



Leaf 2 – fallen 9.10.2023





COLLABORATION WITH ELEMENTARY SCHOOL VLADIMIR NAZOR PAZIN - DISTRICT SCHOOL KAROJBA

ELEMENTARY SCHOOL VELI VRH PULA, CROATIA



Leaf 1 – fallen 17.11.2023



Leaf 2 – fallen 6.11.2023



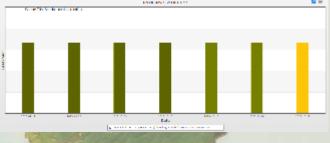
Leaf 3 – fallen 24.11.2023



Leaf 4 – fallen 24.11.2023

ELEMENTARY SCHOOL VLADIMIR NAZOR PAZIN- DISTRICT SCHOOL KAROJBA, CROATIA

Leaf 1 – fallen 30.10.2023



Leaf 2 – fallen 27.10.2023



Leaf 3 – fallen 27.10.2023



Leaf 4 – fallen 27.10.2023



LIME TREE

ELEMENTARY SCHOOL VELI VRH PULA, CROATIA

ELEMENTARY SCHOOL VLADIMIR NAZOR PAZIN- DISTRICT SCHOOL KAROJBA, CROATIA



- Pula Mediterranean climate
- Karojba sub-Mediterranean climate

The lime tree leaves in Karojba are lighter in color, change color much faster and fall off faster than the lime tree leaves in Pula.



HOW TALL IS MY TREE?

Tilia cordata



Ficus carica

Measured Date:

2023-09-22

Organization Name:

OS Veli Vrh

Site ID:

122717

Site Name:

33TVK090715

Latitude:

44.891109

Longitude:

13.847583

Elevation:

42.5m

Measured At:

2023-09-22T11:00:00

Leaves On Trees:

true

Tree Height Average:

7.88 m

Circumference:

90 cm

Muddy:

true

Data Source:

GLOBE Observer App



Measured Date: 2023-09-25 Organization Name: OS Veli Vrh Site ID: 188129 Site Name: 33TVK089716 Latitude: 44.891996 Longitude: 13.846299 Elevation: 37.1m Measured At: 2023-09-25T10:55:00 Leaves On Trees: true Tree Height Average: 4.5 m Circumference: 170 cm Dry Ground: true

GLOBE Observer App

Data Source:

HOW LEAVES LOSE WEIGHT?

Tilia cordata

m (green leaf) = 0.63g

m (C in green leaf) = 0.315g

Area (green leaf) = 0.008 m^2

m (C in green leaf $/m^2$) = 39.38g

 $m ext{ (yellow leaf)} = 0.55g$

m (C in yellow leaf) = 0.275g

m (C in yellow leaf $/m^2$) = 34.38g

m (C in green leaf $/m^2$) - m (C in yellow leaf $/m^2$) = 5g

Ficus carica

m (green leaf) = 3.95g

m (C in green leaf) = 1.975g

Area (green leaf) = 0.02 m^2

m (C in green leaf $/m^2$) = 98.75g

m (yellow leaf) = 3.42g

m (C in yellow leaf) = 1.710g

m (C in yellow leaf $/m^2$) = 85.50g

m (C in green leaf $/m^2$) - m (C in yellow leaf $/m^2$) = 13.25g



The fig recycled from its leaves and stored more carbon for the winter than the lime tree.





