Green – down

Autumn campaign 2021

International collaboration
Ukraine – Croatia
Poltava school 38, Ukraine
Coordinator: Alvard Melkonian, geography teacher
For our observations, we chose birch, which grows in the school.
We entered the results of our observations in the protocol Green-down. In the protocol, we indicated the change in weather and the condition of the leaves. The last leaf fell on November 3.
<table>
<thead>
<tr>
<th>Date (day &amp; month)</th>
<th>Leaf 1 (Color, fallen, or snow covered)</th>
<th>Leaf 2 (Color, fallen, or snow covered)</th>
<th>Leaf 3 (Color, fallen, or snow covered)</th>
<th>Leaf 4 (Color, fallen, or snow covered)</th>
<th>Data entry</th>
</tr>
</thead>
<tbody>
<tr>
<td>22.09</td>
<td>5 GY 7/12</td>
<td>5 GY 6/10</td>
<td>2.5 Y 6/6</td>
<td>5 GY 5/10</td>
<td>+</td>
</tr>
<tr>
<td>24.09</td>
<td>5 GY 7/12</td>
<td>5 GY 6/10</td>
<td>2.5 Y 6/6</td>
<td>5 Y 8/4</td>
<td>-</td>
</tr>
<tr>
<td>29.09</td>
<td>5 GY 7/12</td>
<td>2.5 Y 6/6</td>
<td>2.5 Y 8/6</td>
<td>5 GY 6/10</td>
<td>-</td>
</tr>
<tr>
<td>6.10</td>
<td>-</td>
<td>-</td>
<td>5 GY 7/12</td>
<td>2.5 Y 8/6</td>
<td>-</td>
</tr>
<tr>
<td>8.10</td>
<td>-</td>
<td>-</td>
<td>5 Y 8/4</td>
<td>2.5 Y 6/6</td>
<td>-</td>
</tr>
<tr>
<td>18.10</td>
<td>-</td>
<td>-</td>
<td>2.5 Y 6/6</td>
<td>2.5 Y 8/12</td>
<td>-</td>
</tr>
<tr>
<td>20.10</td>
<td>-</td>
<td>-</td>
<td>SYR 7/12</td>
<td>5 GY 7/12</td>
<td>-</td>
</tr>
<tr>
<td>22.10</td>
<td>-</td>
<td>-</td>
<td>2.5 Y 6/6</td>
<td>5 YR 7/12</td>
<td>-</td>
</tr>
<tr>
<td>27.10</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>2.5 Y 6/6</td>
<td>-</td>
</tr>
<tr>
<td>3.11</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>+</td>
</tr>
</tbody>
</table>
**Green-Down**

**Data Date Range:** 2021-09-22 to 2021-10-27

**Plant:** Betula / pendula  
**Predomina**

**Measured On:** 2021-09-22  
**Greening Cycle Number:** 1  
**Leaf Color List:**  5YR:7/12  5GY:5/10  
5GY:6/10  2.5Y:6/6  
**Number Of Leaves:** 4  
**Leaf State:** color change  
**Predominate Leaf Color:** 2.5Y:6/6  
**Number Of Same Plants:** 2  
**Comments:** The air temperature is 7 degrees with a plus sign, fog, cloudy, there are dry buds and branches on the tree.
School: Poltava school №38
Site: Atmosphere Poltava #38

**Biosphere**

- Green-Down

Data Date Range: 2021-09-22 to 2021-10-27

- Plant: Betula / pendula
- Predominant: Predomina

Measured On: 2021-09-22
Greening Cycle Number: 1
Leaf Color List: 5YR:7/12 5GY:5/10 5GY:6/10 2.5Y:6/6
Number Of Leaves: 4
Leaf State: color change
Predominate Leaf Color: 2.5Y:6/6
Number Of Same Plants: 2
Comments: The air temperature is 7 degrees with a plus sign, fog, cloudy, there are dry buds and branches on the trees.
**Green-Down**

**Data Date Range:** 2021-09-22 to 2021-10-27

**Plant:** Betula / pendula

**Measured On:** 2021-09-22

**Greening Cycle Number:** 1

**Leaf Color List:** 5YR:7/12 5GY:5/10 5GY:6/10 2.5Y:6/6

**Number Of Leaves:** 4

**Leaf State:** color change

**Predominate Leaf Color:** 2.5Y:6/6

**Number Of Same Plants:** 2

**Comments:** The air temperature is 7 degrees with a plus sign, fog, cloudy, there are dry buds and branches on the trees.

**Measured On:** 2021-09-24

**Greening Cycle Number:** 1

**Leaf Color List:** 7.5YR:8/4 2.5Y:6/6 5GY:6/10 5YR:7/12
Biosphere

**Plant:** Betula / pendula, Predomina

**Measured On:** 2021-09-22

**Greening Cycle Number:** 1

**Leaf Color List:** 5YR:7/12 5GY:5/10 5GY:6/10 2.5Y:6/6

**Number Of Leaves:** 4

**Leaf State:** color change

**Predominate Leaf Color:** 2.5Y:6/6

**Number Of Same Plants:** 2

**Comments:** The air temperature is 7 degrees with a plus sign, fog, cloudy, there are dry buds and branches on the trees.

**Data Date Range:** 2021-09-22 to 2021-10-27

**Leaf Color:**

<table>
<thead>
<tr>
<th>Date</th>
<th>2021-09-22</th>
<th>2021-09-24</th>
<th>2021-09-29</th>
<th>2021-10-06</th>
<th>2021-10-08</th>
<th>2021-10-18</th>
<th>2021-10-20</th>
<th>2021-10-22</th>
<th>2021-10-27</th>
</tr>
</thead>
<tbody>
<tr>
<td>Leaf Color</td>
<td>2.5Y:6/6</td>
<td>2.5Y:6/6</td>
<td>2.5Y:6/6</td>
<td>2.5Y:6/6</td>
<td>2.5Y:6/6</td>
<td>2.5Y:6/6</td>
<td>2.5Y:6/6</td>
<td>2.5Y:6/6</td>
<td>2.5Y:6/6</td>
</tr>
</tbody>
</table>

**Green-Down**

**Graph:**

- The graph shows the leaf color over a period from 2021-09-22 to 2021-10-27.
- The leaf color remains consistent with slight variations.
- The leaf color is mostly 2.5Y:6/6 with a few instances of 5GY:5/10 and 5YR:7/12.