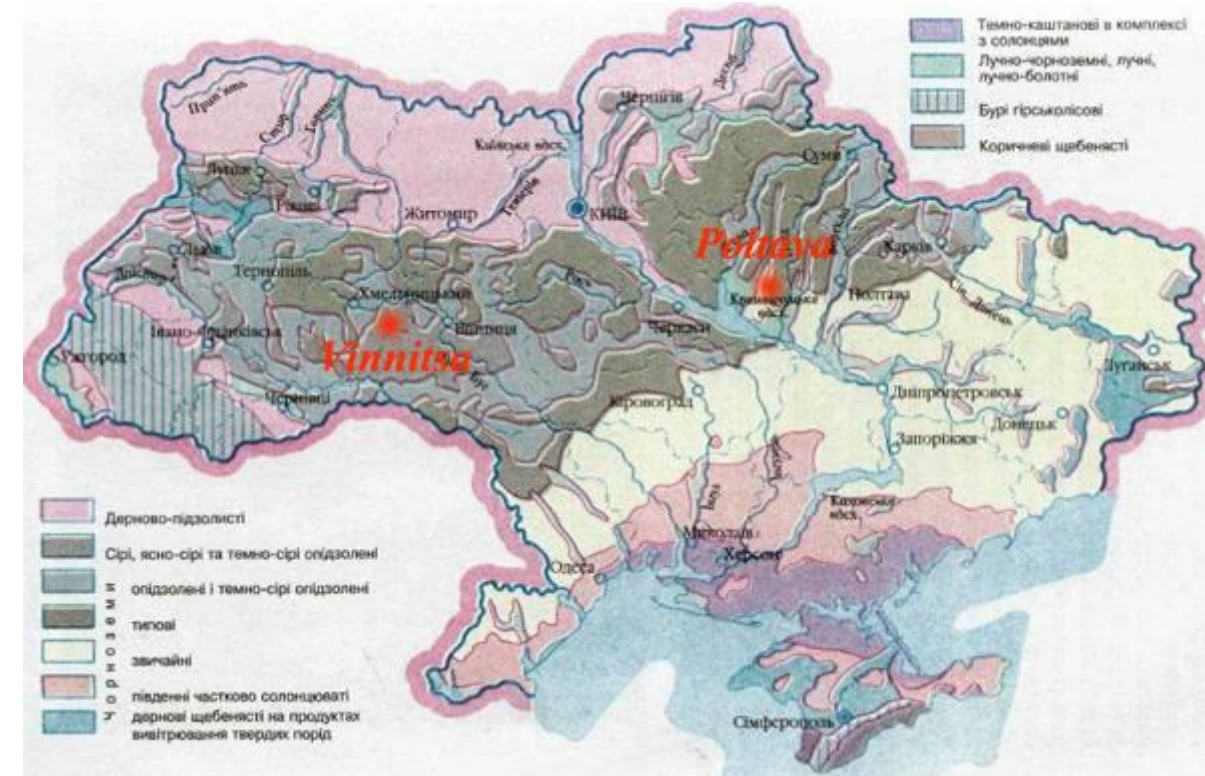


SEEMLA study cases of IBC&SB



Poltava Region



Poltava Region

During the winter 2016-2017, a lot of snow fell on the Poltava region, due to which, by the end of April, the territory of the pilot site was flooded with water.



Poltava Region

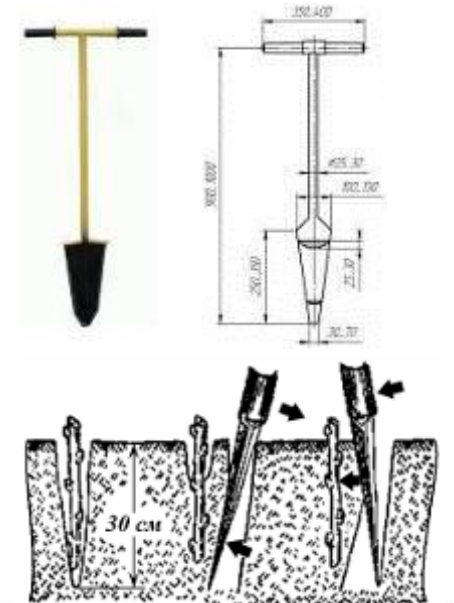
Work on the preparation of the pilot site began in early May, when the water came off. A subcontract was signed for works on preparation of the site and planting energy willow and miscanthus on an area of 0.5 hectares.

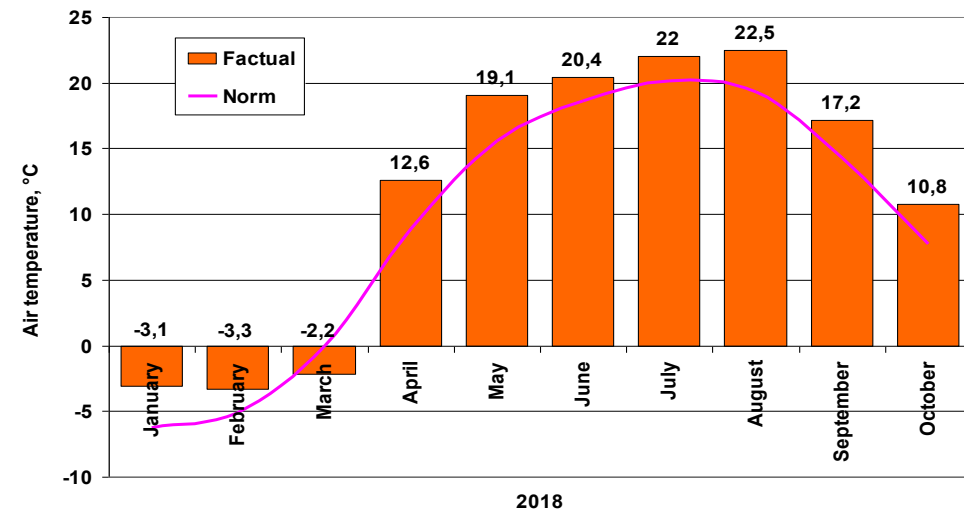
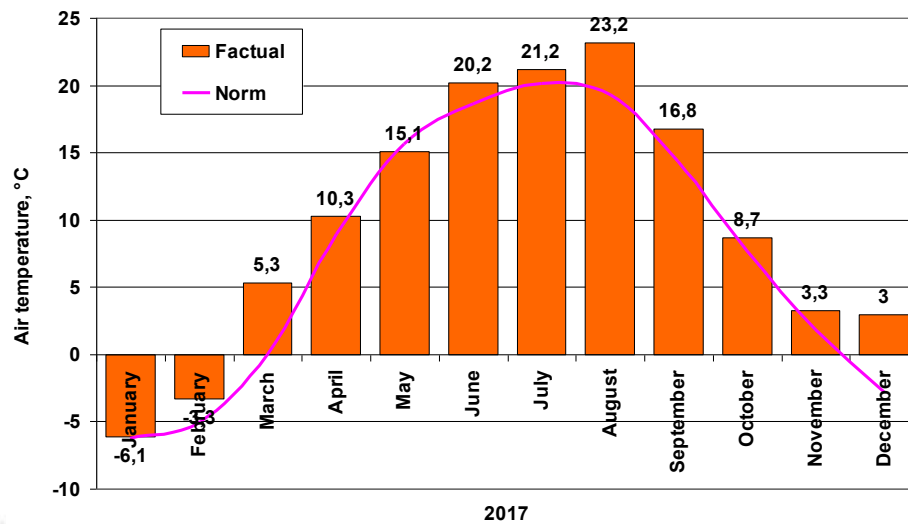
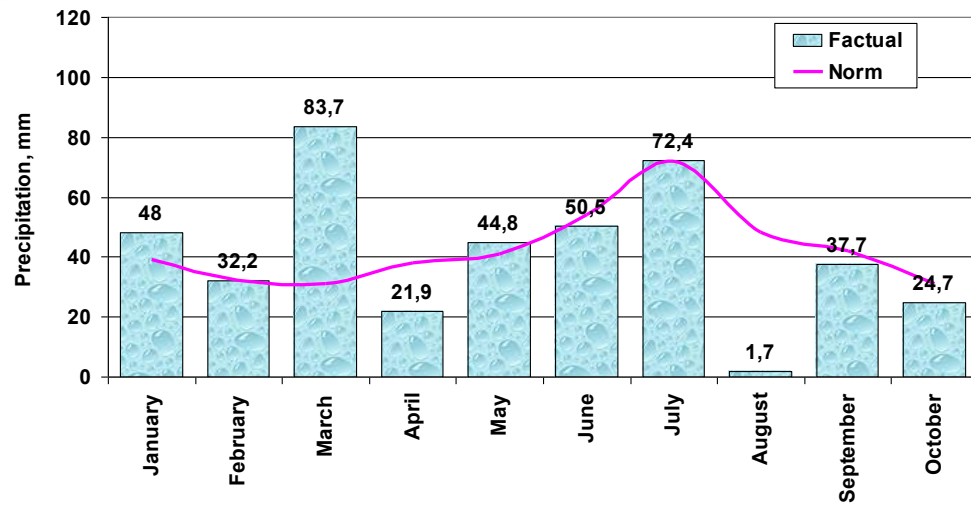
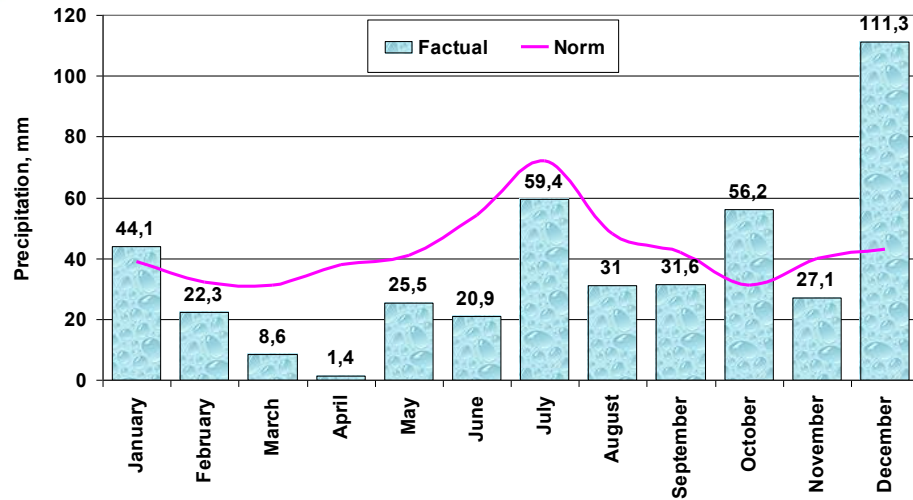
In October 2017, 0.25 hectares of miscanthus and 0.25 hectares of willow were planted. All work was carried out manually.

September 2017



October 2017





In spring 2018 as a result of hard snowing and further quick snow melting the pilot site was coved by water and looked like a pond. The period of overwetting lasted up to 4 months.



Early March 2018



At the beginning of April 2018



At the beginning of May 2018

Poltava Region

After site being completely dried, the accounting of miscanthus and willow livelihood were carried out. The energy willow was alive on 80% with equal spreading along site area of 0,20 ha.

Miscanthus was under water for longer period and died completely – 100%. On the plot of higher exposition with area 0,035 ha about 50% of miscanthus plans were alive.

To renew pilot case that was damaged by overwetting, soil cultivation was made in summer and in October, 2018 new plantations of willow of 0.20 ha and miscanthus of 0.045 ha were established.

June 2018



July 2018



October 2018

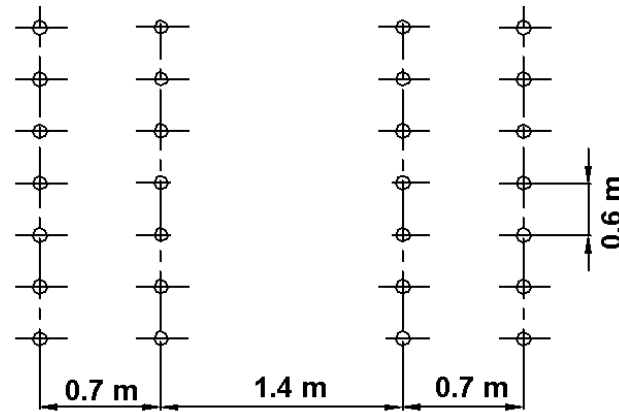


Vinnitsa Region

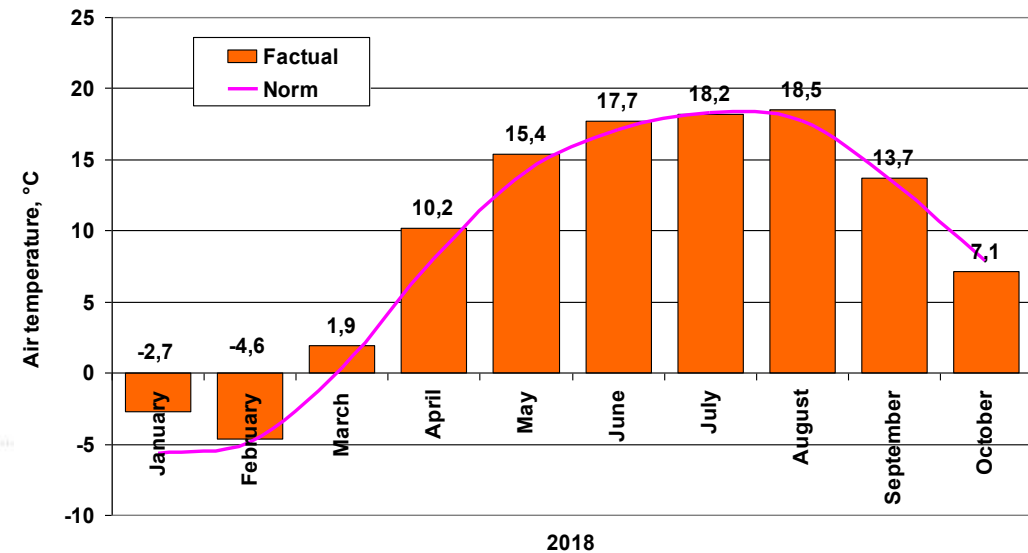
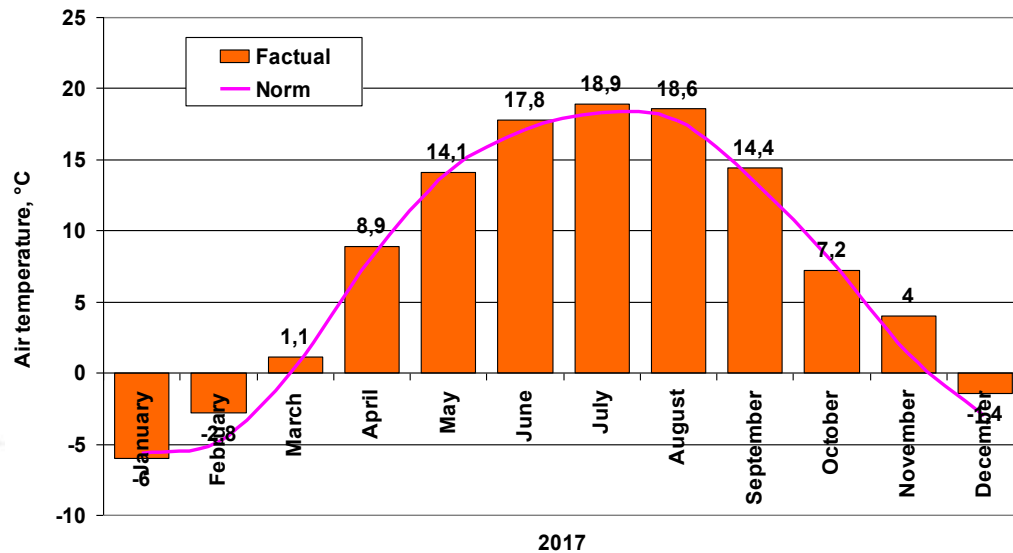
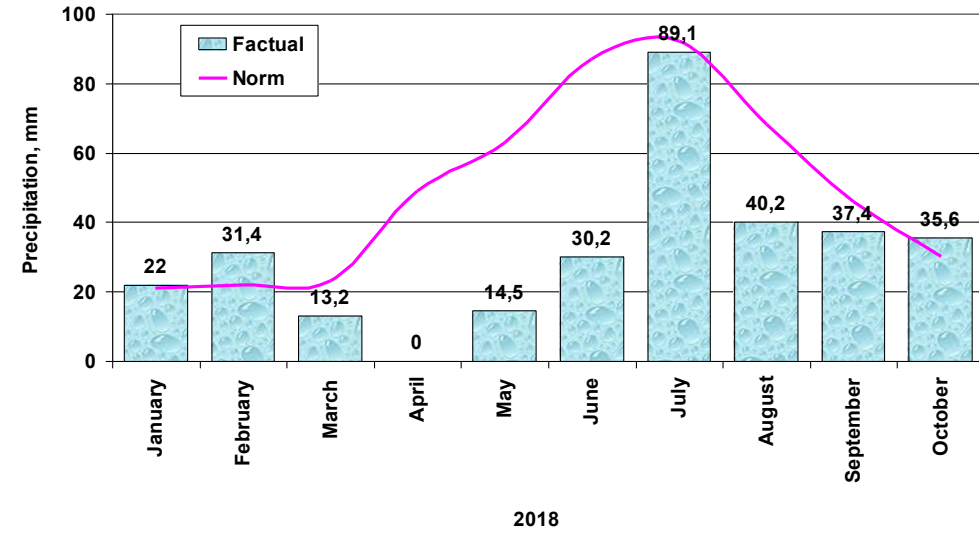
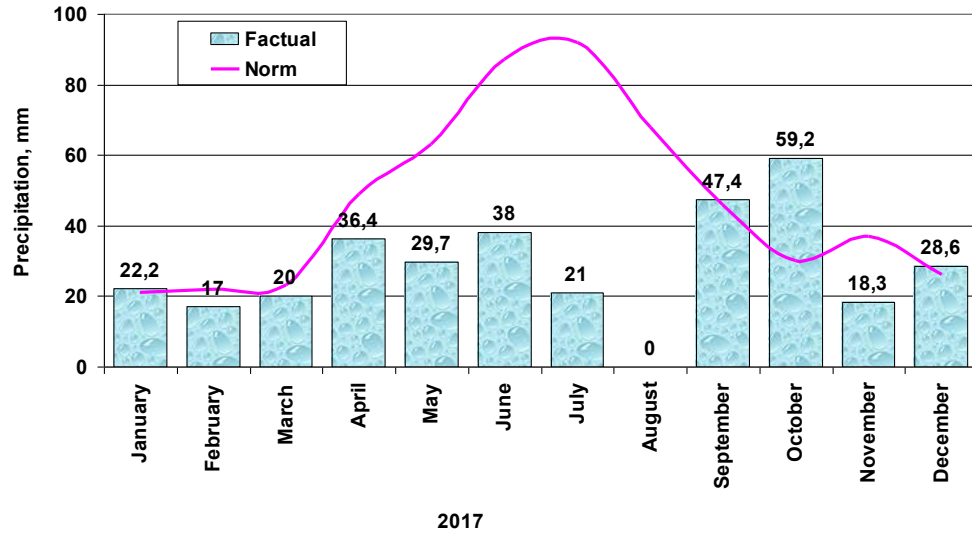


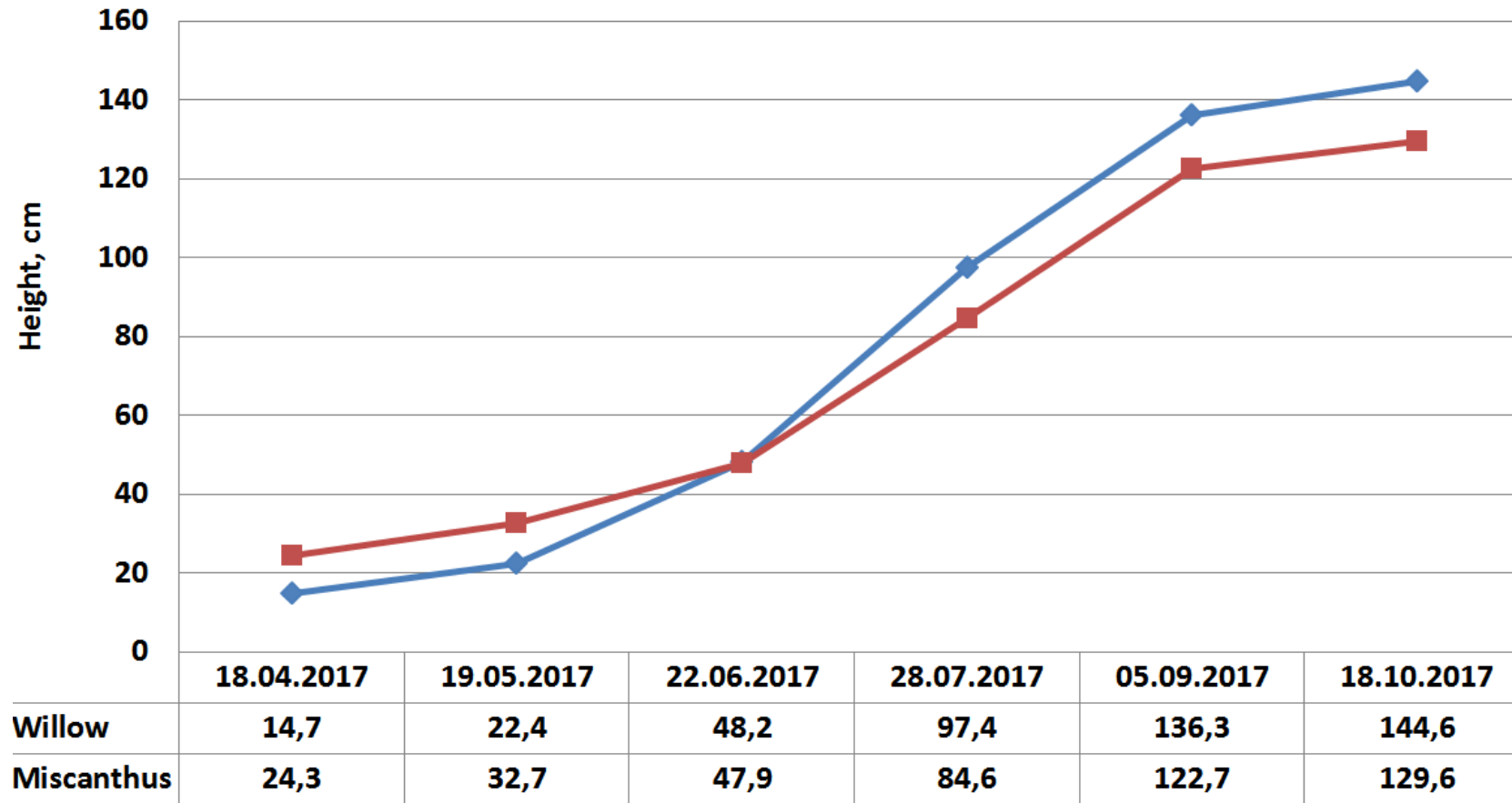
Vinnitsa Region

Work on the pilot site was launched in 2016. The site was cleaned out of garbage (plastic, paper, polyethylene, etc.) and a set of measures for soil thinning and weeds control were conducted. In the spring of 2017, 0.9 hectares of energy willow of “Zbruch” variety and 0.3 hectares of miscanthus of “Osinniy zoretsvit” variety were planted.









Vinnitsa Region

During the winter 2017-2018, despite of tough weather conditions, the fall of willow plants and miscanthus was not noted. Work on the restoration of plants density under planned norm and with regards of the percentage of plants survivability was carried out. Work on weeds control on the plantation of the Miscanthus is done.



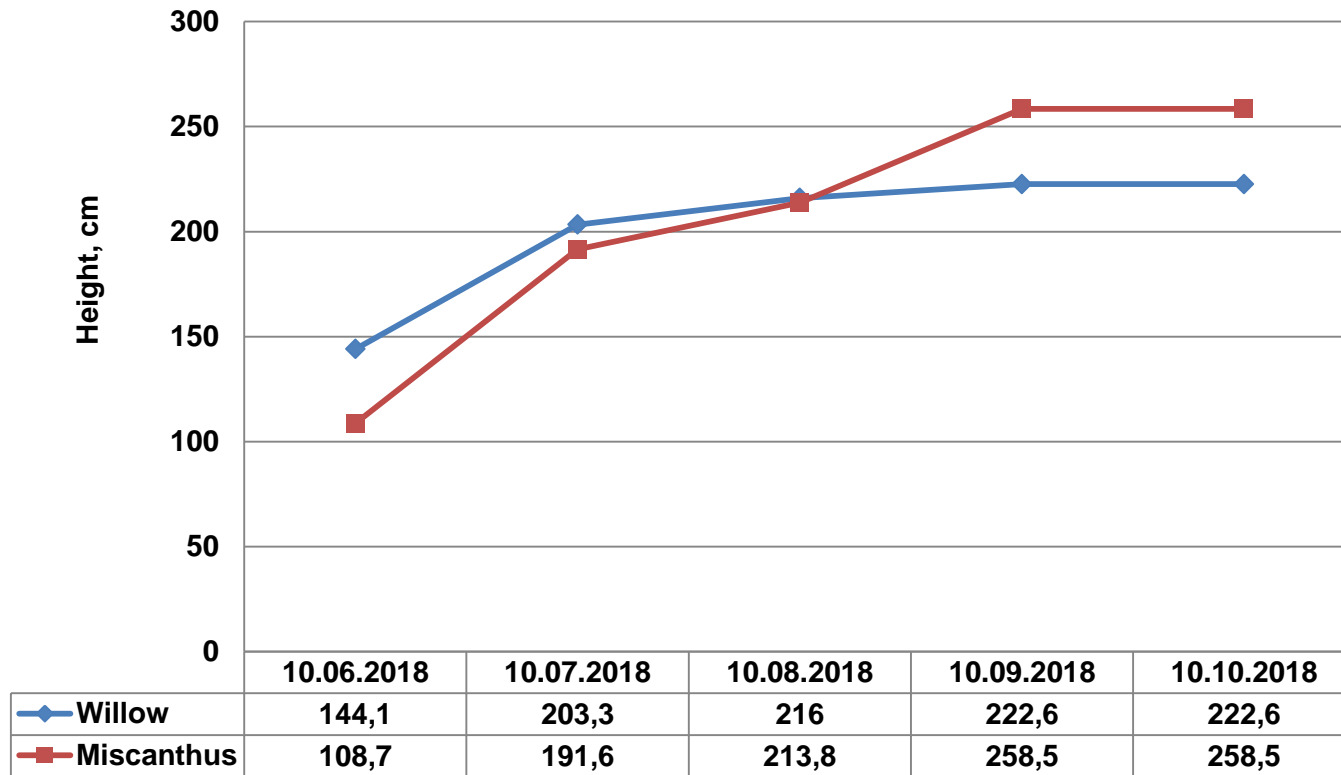
Vinnitsa Region

In the second decade of April, 0.05 hectares of miscanthus giantess “Osinniy Zorezvit” variety and 0.30 hectares of willow “Zbruch” variety were additionally planted. At the end of April, willow plants were alive, but the shoots of miscanthus have not appeared yet.



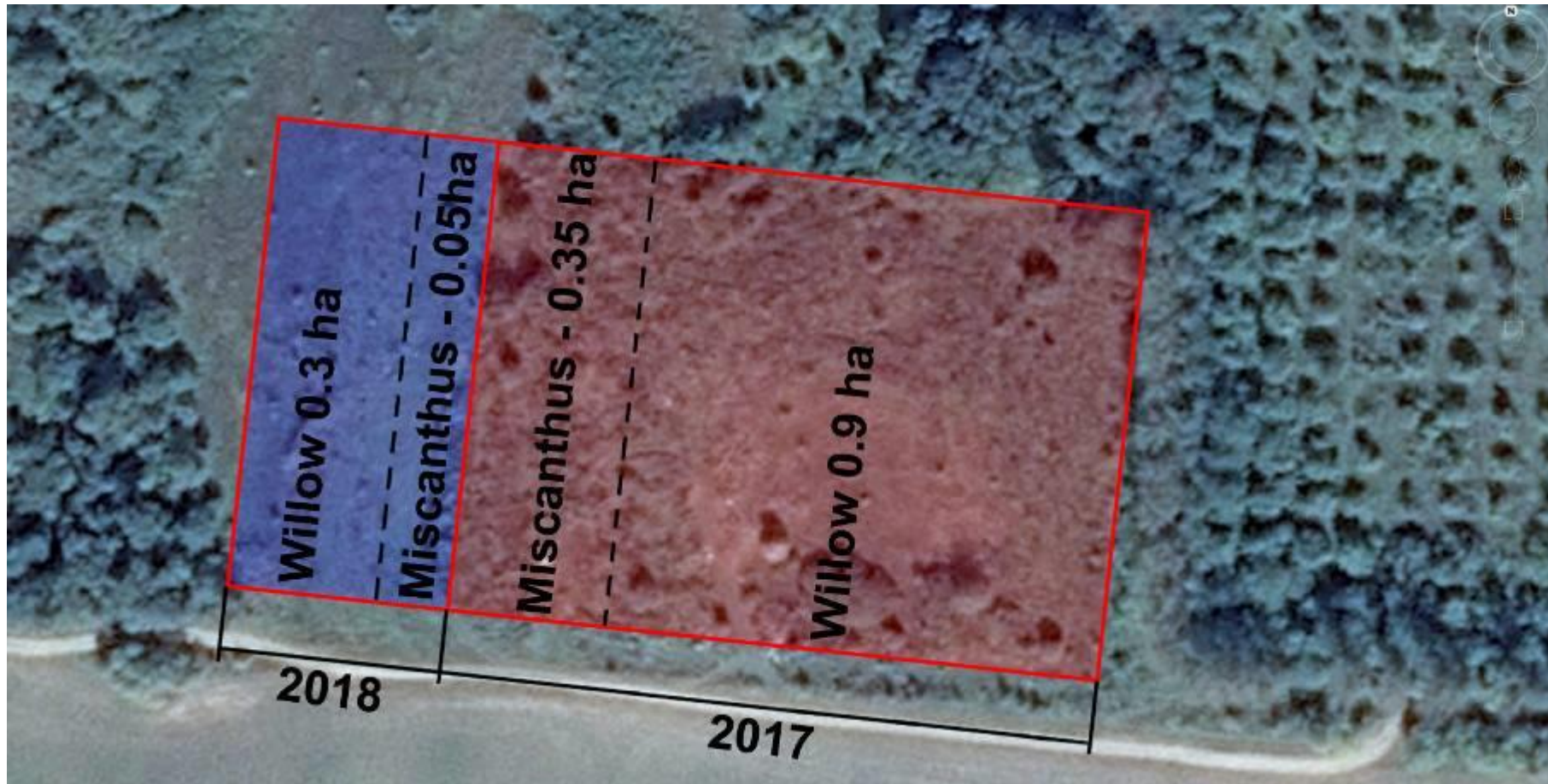
Vinnitsa Region

In the first decade of June willow of second year vegetation were of 144,1 cm high. To the end of vegetation plant high was 222,6 cm, diameter – 15,8 mm. Average density of thriving was 2,8 thriving per plant.
To the end of vegetation the high of miscanthus of second year vegetation was 258,5 cm with 38,3 thriving per plant.



Vinnitsa Region

Thus, the area of the pilot site on the Yaltushky research station is 1.5 hectares, if it includes protective strips and internal roads - up to 1.7 hectares.





Structure of Workshop Participants

