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?) | a) ?) | b)

???????? 1. ?????????? ??? ?????????? ??????? ?????????? ??? ?????????? ?????????? ??? (?) ? ?????????? ?????????? ?????????? (?)

Figure 1. Dimensional plan of model tree trunks for collecting bark samples (a) and examples of birch bark samples (b)

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Source: author's composition

?) | a) ?) | b)

?) | c) ?) | d)

???????? 2. ??????? ?????????????? ??????? ?????????? ??? ?????? (????????? ? ?????) ?????????????? ?? ?????????????? 0,5 ? ?? ??????: ?) ??? ?????????? 21,2 ??; ?) ??? ?????????? 24,6 ??; ?) ??? ?????????? 28,1 ??; ?) ??? ?????????? 36,8 ??.

Figure 2. Examples of cross-sections of birch bark samples (birch bark and bast) obtained at a distance of 0.5 m from the base: a) with a diameter of 21.2 cm; b) with a diameter of 24.6 cm; c) with a diameter of 28.1 cm; d) with a diameter of 36.8 cm.

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Source: author's composition

????????? 1					
Table 1					
Fragment of the results of measurements of the thickness of birch bark samples and the diameters of fluffy birch along the trunk length (Model tree trunk No. 8)					
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Tree trunk diameter (cm)/birch bark thickness (mm)/bark thickness (mm)					
Position along the tree trunk for taking samples, m	Tree trunk diameter (cm)/birch bark thickness (mm)/bark thickness (mm)				
	1 ??????? (0 ?????.) 1 sample (0 degrees)	2 ??????? (72 ?????.) 2 sample (72 degrees)	3 ??????? (144 ?????.) 3 sample (144 degrees)	4 ??????? (216 ?????.) 4 sample (216 degrees)	5 ??????? (288 ?????.) 5 sample (288 degrees)
0,5	43,5	43,1	43,6	42,9	42,6
	5,70	5,64	5,56	5,49	5,41
	13,31	13,21	13,08	12,96	12,86
2	38,5	38,2	38	37,8	37,7
	3,75	3,72	3,71	3,7	3,68

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??????? 4. ?????????? ????????? ? ????, ??????? ??? ? ?????? ??????? ?? ?????? ?????? ??????? ????????? (????????? ?????? ?8)
Figure 4. Changes in bark diameter, bark thickness, and birch bark thickness along the length of a downy birch trunk (model trunk
No. 8)

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Source: own calculations