

is a pine plantation on Zygina Street of Aerodrome neighborhood, which has a high level of environmental pollution. To conducting the study were selected young pine that grew from each other by 20–25 m. Needles of the last year of life had been examined, it was determined by the grades of damage: no damage - first grade, up to 40% damage – 2nd class, from 40% damage - 3rd grade, and life expectancy. With these data and special tabulations were made conclusions about the air quality in the area of the study. The study results are given in Table 1.

Table 1. – Results of the study of Scots pine (*Pínus sylvéstris*) needles

Number of site	Grades of needles damage		
	1	2	3
1	89%	9%	2%
2	54%	35,33%	10,67%
3	63,33%	30,33%	6,33%
4	15%	36%	49%

A study of plantations of Scots pine (*Pínus sylvéstris*) conifer revealed that the state of the air basin of Polotsk may be considered as conditionally normal. At different sites were obtained following results: the degree of air pollution in the first site – I (perfectly clean), the second – III (relatively clean), the third – II (clean), and the fourth – IV (polluted). The study of needles confirmed that the worst air quality observed in the fourth site: Zygina Street is one of the main highways of the town, which lies close to the railway tracks. Thus, the method proved to be accurate, simple to implement, does not require great physical and economic cost, what makes it relevant.

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**TO A QUESTION OF VALUE TERMS OF HUNTING
FOR EUROPEAN BISON WITHIN HUNTING TOURISM
IN REPUBLIC OF BELARUS**

European Bison is the largest animal of European fauna. This species is included in the IUCN Red List of Belarus, Russia, Ukraine and other countries, where it founds today. However, Belarusian bison population is ready for getting out of the IUCN Red List of the Republic of Belarus. by efforts to preserve s appearance by efforts directed on saving the species. On the territory of our state European bison lives in the eight micropopulations in different parts of the country. The data on the distribution of European bison in Belarus and its population presented in Table 1.

Table 1. – Distribution and number of European bison in the territory of the Republic of Belarus.

Micropopulation	Strength		
	2011	2015	2016
Belovezhskaya	415	462	480
Pripyatskaya	87	88	88
Borisov-Berezinskaya	35	28	28
Polesskaya	76	113	116
Nalibokskaya	79	88	85
Osipovichskaya	152	308	350
Ozerskaya	139	187	196
Krasnoborskaya	—	50	85

In this regard, in accordance with the Presidential Decree of December 8, 2005 № 580, on the territory of Belarus authorized hunting in the reserve gene pool of European bison population. An old and sick animals, injured, aggressive towards man and lured away by more than 50 kilometers beyond the forest for a long time belong to reserve gene bison pool.

Most of the hunting farms offer the hunting from October to March, when the bison wool is considered the best in quality, although many farms offer hunting throughout the year. The cost of hunting varies from 150 € to 600 € per day, but different organizations exhibit cost up to 10 thousand. € excluding the trophies.

As a trophy hunters are offered the horns and skull, lower jaw, skin, hooves. In evaluating the trophies CIC point scale system are used which takes into consideration the length, thickness, weight, color of the horns and other features. The cost of trophies in accordance with points given in Table 2.

Table 2. – Ballroom CIC system.

CIC points	Cost (thousand €)	
	min	max
From 170 (gold medal)	15	20
From 150 (silver medal)	13	17
From 130 (bronze medal)	11	15
To 130	5	10

This type of hunting tourism brings considerable profit for our country, which is consumed, in particular, and for maintaining environmental protection activities.