BOTANICAL SURVEY AT THE GREAT PASTURE OF HAJDÚBAGOS

Zsuzsanna ANTAL^{*}, Péter TANYI^{*}

*University of Debrecen, Faculty of Agriculture, Hungary zsuzsannaantal@gmail.com

Summary: Our botanical survey at the great pasture of Hajdúbagos is a part of a broad research that aims to predict the production of the grass at the given area. As the mentioned pasture is a nature conservation area and its management requires grazing as an important management tool, the prediction of the potential grass yield is essential for determining the optimal number of the grazing animal stock and grazing method, thus the most suitable management strategy. A computer model will act as the basis of prediction as the potential grass production gets easily calculable with it. To create the mentioned computer model, data considering the botanical structure and realized grass production of the pasture, as well as the changing climatic factors are required. To collect the necessary botanical data we accomplished the botanical survey with traditional phytocoenological methods in 2006. In this article we present the results of our survey.

INTRODUCTION

Since significant part of Hungary is under agricultural cultivation it is understandable that nature conservation activity depends on the cooperation with agriculture. The conservation and if it is necessary, the restoration of the protected areas are amongst the important elements of the management methods of these areas. These activities cannot be achieved without ecological farming methods, while a viable agricultural activity could come into existence only with the harmonization of the agricultural and nature conservation interests, as the efficiency of agriculture decisively depends on the state and quality of the environment, and thus of nature resources.

According to Béri et al. (2004), from a nature conservation point of view, the grass management systems own the biggest importance of the inland agricultural systems, because great part of the protected plant and animal species are attached to them. From the extensive grasslands in Hungary, more than 200 thousand hectares are under nature protection. In the conservation of these areas grazing animal husbandry could own a determinative role. Evaluating grazing, besides the ancient method of animal husbandry, one of the important ways of economic stock-breeding and production of healthy animal products, the role of the grazing animals in the management of protected grasslands becomes increasingly emphatic as well (Bodó, 2005). The opinion of Stefler and Vinczeffy (2001) is also similar, according to which the grasslands at protected areas have come into consideration recently, as because of the prohibition of among others, fertilizing and other grass management methods, the nature conservation activity enjoys priority. In accordance with Bodó (2005), professionals in nature conservation often state that production is negligible besides this important activity.

However preserving the plant and animal species attached to grasslands is prominently important, conservation is not suitable for it in itself. A wellthought-out grazing system would serve as the key for the preservation as the present plant and animal associations at grasslands are evolved due to the effects of grazing animal husbandry processed throughout centuries. Methodical grazing upon strict regulation on protected areas is the dominant tool for the management of protected grasslands. As the number of experiences in the field of grass management among the mentioned circumstances is rather bare and extra difficulties should be taken into consideration that are not usual at agricultural grasslands (e.g. yield fluctuation is increasing, the nutrient content of the grass is decreasing, succession starts) modern grass management systems should be worked out (Stefler and Vinczeffy, 2001). Béri *et al.* (2004) also think that the elaboration of a grazing method in connection with a certain protected area is an important research challenge.

The aim of our examinations is to provide the necessary botanical data for the computer model predicting the grass production of the great pasture of Hajdúbagos. The overall purpose of this research is to develop the management strategy of protected grasslands considered optimal which serves simultaneously the economical interests of the local population in connection with production along with the aims of nature conservation.

MATERIALS AND METHODS

The great pasture of Hajdúbagos

The great pasture of Hajdúbagos can be found at the eastern part of Hajdú-Bihar County, south-east from Debrecen, north form the settlement Hajdúbagos. Geographically it is located in the meeting point of three natural landscapes, the South Nyírség, the Alley of the Berettyó-Kálló and the South Hajdúság, indirectly neighbouring the forested Erdőspuszták territory (Baranyi, 2001). Allowing that the area is the most significant habitat country wide of the strictly protected lesser mole rat (*Nannospalax leucodon* -Gyarmathy, 1993), it became a protected area in 1976 called the Lesser Mole Rat Reservation of Hajdúbagos Nature Conservation Area.

The great pasture of Hajdúbagos has a unique nature conservation value, and this area is one of the last extensive pastures reminded on sandy areas in Hungary (HNPI 2003 (Hortobágyi Nemzeti Park Igazgatóság/Hortobágy National Park Directorate)). The non-adequate land-use causes quick succession changes at the area and this negative procession, besides the alteration of the natural vegetation, the closing and standing out of the grass, has numerous deteriorative effects, among others it affects the natural fauna also.

The area is under human impact since ages, according to the archaeological findings it was already inhabited in the Neolithicum (B.C. 5500-3400) (Kozma 1998). In the course of history it was under agricultural utilization almost from the beginnings, in conformity with the different documentations the façade of the land was formed mainly by the extensive, grazing animal husbandry. According to Molnár (2001) and Dorka (2004) it is understandable, as the agricultural potential of the area is rather low thus mainly the grazing land-use is characteristic. However the last one century caused crucial changes. This land-use method ceased virtually or at least it had been pushed to the background, what has a visibly deteriorative effect on the examined area. The present animal stock could consume only a negligible part of the arising biomass that leads to an undesirable accumulation of the organic material at the pasture and causes the appearance of weeds. To be able to suppress weeds, as a part of the area management, mechanical mowing is going on at some area divisions. Mechanical mowing is only an obligate solution and it would be necessary to replace it, what could be reached with the increase of the grazing animal stock (Mazsu 2001).

Examination methods

The botanical survey was carried out according to quadrate method mentioned by Balázs (1949). However the author stated that 1, 4, 9, or 16 square meter sized quadrates could be used for this survey method, he advised to use the 2x2 meter quadrates. Due to the characteristics of the examined pasture we chose the 1x1 meter size. For the sake of the overall research aims, to the test reaping series and the botanical surveys, all together 34, uniformly one square metre sized research quadrates were set. We located the exact geographical location of the quadrates by GPS and represented them on a satellite photograph (*Fig.1*).

Figure 1. Location of the examination quadrates at the great pasture of Hajdúbagos Source: own compilation by Google Earth software BT: dune top; BO: dune side; M: lower location areas; LM: lowest location areas



During the setting of the quadrates we attempted to take into consideration the characteristics of the examination area. Namely, the total area of the great pasture of Hajdúbagos is some 265 hectares, and rather diverse in its relief as the relative micro relief of the area is 5-9 metres. It means that several dunes can be found at the pasture. According to the different altitudinal levels the vegetation differs that effects the fauna distribution also.

We have divided the examination area into four different altitudinal levels, these are the dune top (BT), dune side (BO), lower location areas (M) and lowest location areas (LM). We have counted the proportion of the different altitudinal levels according to each other and to the total area of the pasture, and found that the latitude of the dune tops is the smallest, approximately 12,2 % of the total area. The latitude of the dune sides is approximately 15, 7 % and of the lowest location areas is at about 22,5 % of the total area. The latitude of the lower location areas is the biggest, this level occupies around 28,3 % of the total examination area (all the remaining areas are under water, covered by forest or under cultivation). After all we have stated that 5 quadrates on different dune tops will be enough to be able to do the examination. Thus this altitudinal level was given a unit multiplier. Dune side level was given proportionally a 1.3, lower location area level a 2.3 and the lowest location area level a 1.9 multiplier. So after the multiplication I get 5 quadrates on dune tops, 7 (6.5) quadrates on dune sides, 12 (11.5) quadrates on lower location areas and 10 (9.5) quadrates on lowest location areas. The setout of the 34 quadrates happened in March 2006, in two times. The method of the setout was the so called guided random method, as the different altitudinal levels gave the estimated place of the quadrates but within these territories the correct place of each quadrate was the result of random choice.

RESULTS AND DISCUSSION

We accomplished the first coenological survey in 2006 that reflects the late summer – early autumn aspect. As a result of the botanical survey accomplished in 2006 we have found all together 91 species at the examination area *(Table 2.)*. As we expected a significant part of the species belongs to the *Poaceae* family (20 species – 21.98 %). Species in *Fabaceae* family are also numerous (10 species – 10.99 %).

On the basis of the survey a coenological table *(Table 3.)* was compiled that contains the scientific name, the life form types, the TWR indicator numbers and nature conservation value categories of each species (Simon, 2000), as well as the coverage per cent of the species (D_B) and the total coverage of each plots (B%) (Balázs, 1949). In the case of naming the species we took into account Priszter's plant identification handbook (1998).

According to the nature conservation value categories, from the 91 species found at the great pasture of Hajdúbagos we cannot identify certain species of *Juncus* genus, thus from the other 91 species 6 are association-forming, 28 are accompanying and 5 are pioneer species that refer to natural conditions, while amongst degradation tolerant species 25 are disturbance tolerant and 26 are weed species (*Table 1*). As it is observable almost half of the found species (43.33%) refer to natural conditions while slightly more (56.66%) refer to degradation. These data lead us

Categories of environmental protection value	Pc.	%
Referring to natural conditions	39	43.33
association forming species	6	6.67
accompanying species	28	31.11
pioneer species	5	5.55
Referring to degradation	51	56.66
disturbance tolerant species	25	27.77
weed species	26	28.89
Total species	90	100

Table 1. Grouping of the species according to the categories of environmental protection value

to conclude that the area preserves its seminatural state, but quite strong degradation effect has an influence on it.

Amongst the disadvantageous factors reflecting to the present state of the habitat primarily the effects of the changing climate factors must be mentioned. The milder winters, the warmer summers and simultaneously the observable precipitation deficiency decisively contribute to the expectable transformation – drying out – of the habitat.

Besides the alteration of the natural vegetation, the closing and standing out of the grass - according to under-grazing that occurs at some parts of the pasture has numerous deteriorative effects among others it affects the natural fauna also.

Other potential threat to several parts of the pasture is the spreading of the neighbouring Robinia

wood and its underwood. At some under-grazed area the spreading of *Crataegus monogyna* is another potential endangering factor.

Nevertheless there are under-grazed parts of the examined pasture, the negative effects of over-grazing – due to the non-adequate management of this grassland – is more serious.

To be able to conserve this certain protected pasture the elaboration of a grazing method in an important research challenge. Our botanical survey can provide important data to create the computer model predicting the potential grass yield of the area, which is necessary to develop the optimal management strategy of this and by based on it of other protected grasslands as well.

	Table 2. List of species found
No.	Scientific name
1.	Achillea collina
2.	Achillea millefolium
3.	Achillea setacea
4.	Ajuga chamaepitys
5.	Alopecurus pratensis
6.	Ambrosia artemisiifolia
7.	Ascelpias syriaca
8.	Berteroa incana
9.	Brachypodium pinnatum
10.	Bromus hordeaceus
11.	Campanula rotundifolia
12.	Carduus acanthoides
13.	Carex humilis
14.	Centaurea jacea subsp. angustifolia
15.	Cerastium dubium
16.	Cichorium intybus
17.	Cleistogenes serotina
18.	Clinopodium vulgare
19.	Conyza canadensis
20.	Crepis biennis
20.	Cynodon dactylon
22.	Dactylis glomerata
22.	
23.	Daucus carota
24.	Digitaria sanguinalis
	Diplotaxis muralis
26.	Diplotaxis tenuifolia
27.	Echium vulgare
28.	Elymus repens
29.	Erodium cicutarium
30.	Eryngium campestre
31.	Euphorbia cyparissias
32.	Festuca arundinacea
33.	Festuca ovina
34.	Festuca pseudovina
35.	Festuca rupicola
36.	Fragaria viridis
37.	Galeopsis ladanum
38.	Galium verum
39.	Geranium molle
40.	Glechoma hederacea
41.	Gratiola officinalis
42.	Gypsophila muralis
43.	Hypericum perforatum
44.	Juncus sp.
45.	Knautia arvensis
46.	Linaria vulgaris
47.	Lolium perenne
48.	Lotus corniculatus
49.	Lotus maritimus
50.	Medicago lupulina
51.	Mentha aquatica
52.	Mentha longifolia

53.	Ononis spinosa
54.	Petrorhagia prolifera
55.	Peucedanum carvifolia
56.	Phleum pratense
57.	Pimpinella saxifraga
58.	Plantago lanceolata
59.	Plantago major
60.	Plantago maritima
61.	Poa angustifolia
62.	Poa pratensis
63.	Polygonum arenarium
64.	Polygonum aviculare
65.	Potentilla anserina
66.	Potentilla argentea
67.	Potentilla incana
68.	Puccinellia distans
69.	Puccinellia limosa
70.	Ranunculus pedatus
71.	Ranunculus polyanthemos
72.	Ranunculus repens
73.	Robinia pseudoacacia
74.	Rorippa austriaca
75.	Rumex acetosella
76.	Salvia nemorosa
77.	Senecio erucifolius subsp. tenuifolius
78.	Setaria pumila
79.	Silene otites
80.	Stellaria graminea
81.	Taraxacum officinale
82.	Teucrium scordium
83.	Thymus odoratissimus
84.	Tragopogon dubius
85.	Trifolium arvense
86.	Trifolium hybridum
87.	Trifolium ornithopodioides
88.	Trifolium pratense
89.	Trifolium repens
90.	Veronica prostrata
<i>91</i> .	Viola tricolor subsp. tricolor

Table3. List of species according to the examination quadrates with their nature conservation value categories, TWR indicator number, the coverage per cent of the species (D_B) and the total coverage of each plots (B%)

	Pc.	Scientific name	NCV	Life form	T	W	R	D_B	B%
	1	Conyza canadensis	GY	Th-TH	0	4	0	2	
	2	Cynodon dactylon	TZ	G(H)	6k	3	0	8	
	3	Festuca pseudovina	TZ	H	5k	2	0	4	
	4	Potentilla incana	K	Н	6a	1	5	1,5	
	5	Rumex acetosella	K	H(G)	5	2	2	0,2	
BTI	6	Thymus odoratissimus	K	Ch	5	2	3	1,5	
E	7	Centaurea jacea subsp.			5	(0		
	7	angustifolia	TZ	Н	5a	6	0	0	
	8	Eryngium campestre	TZ	Н	7	2	4	0	
	9	Crepis biennis	K	Th	5a	4	0	1	
	10	lichen						0	
							Σ	18,2	56,88
	1	Cynodon dactylon	TZ	G(H)	6k	3	0	8	
	2	Euphorbia cyparissias	GY	H(G)	5k	3	4	1,5	
	3	Festuca pseudovina	TZ	Н	5k	2	0	4	
2	4	Berteroa incana	GY	Th-H	6	3	4	0	
BT2	5	Potentilla incana	K	Н	6a	1	5	0,2	
	6	Rumex acetosella	K	H(G)	5	2	2	0,2	
	7	Eryngium campestre	TZ	H	7	2	4	0	
	8	Crepis biennis	K	Th	5a	4	0	2	
	1			I			Σ	15,9	49,69
	1	Petrorhagia prolifera	K	Th	6a	1	0	0,2	,
	2	Cynodon dactylon	TZ	G(H)	6k	3	0	8	
	3	Euphorbia cyparissias	GY	H(G)	5k	3	4	2	
	4	Festuca pseudovina	TZ	H	5k	2	0	3	
	5	Taraxacum officinale	GY	H	0	5	$\frac{0}{0}$	0	
BT3	6	Berteroa incana	GY	Th-H	6	3	4	0,2	
В	7	Polygonum arenarium		Th	6k	0	0	0,2	
	8	Thymus odoratissimus	K	Ch	5	2	3	0,2	
	9	Eryngium campestre		H	7	2	4	0,5	
	10	Crepis biennis	K	Th	5a	4	$\frac{7}{0}$	3	
	10	lichen		111	Ju	7	0	0,5	
	11	lichen					Σ	17,6	55,00
	1	Conyza canadensis	GY	Th-TH	0	4	$\begin{array}{c} 2\\ 0\end{array}$	0	33,00
	$\frac{1}{2}$	Euphorbia cyparissias	GY	H(G)	5k	3	4	0,5	
	$\frac{2}{3}$			H	5k	2	0	3	
	4	Potentilla incana	K	H	5ĸ 6a	1	5		
4	4	Ε ΓΟΙΕΝΙΠΙΑ ΙΝΕΔΝΑ		П	00	1			
Ē.					5			0,2	
BT4	5	Rumex acetosella	K	H(G)	5	2	2	0,5	
	5 6	Rumex acetosella Eryngium campestre	K TZ	H(G) H	7	2 2	2 4	0,5 0	
	5 6 7	Rumex acetosella Eryngium campestre Crepis biennis	K TZ K	H(G) H Th	7 5a	2 2 4	2 4 0	0,5 0 2	
	5 6 7 8	Rumex acetosella Eryngium campestre Crepis biennis Silene otites	K TZ	H(G) H	7	2 2	2 4	0,5 0 2 0	
	5 6 7	Rumex acetosella Eryngium campestre Crepis biennis	K TZ K	H(G) H Th	7 5a	2 2 4	2 4 0 4	0,5 0 2 0 0,5	20.0.1
	5 6 7 8 9	Rumex acetosella Eryngium campestre Crepis biennis Silene otites lichen	K TZ K K	H(G) H Th H	7 5a 5k	2 2 4 2	2 4 0 4 Σ	0,5 0 2 0 0,5 6,7	20,94
	5 6 7 8 9	Rumex acetosella Eryngium campestre Crepis biennis Silene otites lichen Conyza canadensis	K TZ K GY	H(G) H Th H Th-TH	7 5a 5k 0	2 2 4 2 4 2	$\begin{array}{c} 2 \\ 4 \\ 0 \\ 4 \\ \hline \\ \Sigma \\ 0 \\ \end{array}$	0,5 0 2 0 0,5 6,7 0,2	20,94
	$ \begin{array}{c} 5\\ 6\\ 7\\ 8\\ 9\\ \hline 1\\ 2 \end{array} $	Rumex acetosella Eryngium campestre Crepis biennis Silene otites lichen Conyza canadensis Cynodon dactylon	K TZ K GY TZ	H(G) H Th H Th-TH G(H)	7 5a 5k 0 6k	2 2 4 2 4 2 4 3	2 4 0 4	0,5 0 2 0 0,5 6,7 0,2 3	20,94
	$ \begin{array}{c} 5\\ 6\\ 7\\ 8\\ 9\\ \hline 1\\ 2\\ 3\\ \hline \end{array} $	Rumex acetosella Eryngium campestre Crepis biennis Silene otites lichen Conyza canadensis Cynodon dactylon Festuca pseudovina	K TZ K GY TZ TZ	H(G) H Th H Th-TH G(H) H	7 5a 5k 0 6k 5k	2 2 4 2 4 2 4 3 2	$\begin{array}{c} 2 \\ 4 \\ 0 \\ 4 \\ \hline \\ \Sigma \\ 0 \\ 0 \\ 0 \\ 0 \\ \end{array}$	0,5 0 2 0 0,5 6,7 0,2 3 3	20,94
	$ \begin{array}{c} 5\\ 6\\ 7\\ 8\\ 9\\ \hline 1\\ 2\\ 3\\ 4\\ \end{array} $	Rumex acetosella Eryngium campestre Crepis biennis Silene otites lichen Conyza canadensis Cynodon dactylon Festuca pseudovina Potentilla incana	K TZ K GY TZ TZ K	H(G) H Th H Th-TH G(H) H H	7 5a 5k 0 6k 5k 6a	2 2 4 2 2 4 3 2 1	$ \begin{array}{c} 2 \\ 4 \\ 0 \\ 4 \\ \hline \\ 0 \\ 0 \\ 0 \\ 5 \\ \end{array} $	0,5 0 2 0,5 6,7 0,2 3 3 0,2	20,94
B	$ \begin{array}{c} 5\\ 6\\ 7\\ 8\\ 9\\ \hline 1\\ 2\\ 3\\ \hline 4\\ 5\\ \hline \end{array} $	Rumex acetosellaEryngium campestreCrepis biennisSilene otiteslichenConyza canadensisCynodon dactylonFestuca pseudovinaPotentilla incanaRumex acetosella	K TZ K GY TZ TZ K	H(G) H Th H H G(H) H H H(G)	7 5a 5k 0 6k 5k 6a 5	2 2 4 2 2 4 3 2 1 2	$ \begin{array}{c} 2 \\ 4 \\ 0 \\ 4 \\ \hline $	0,5 0 2 0,5 6,7 0,2 3 3 0,2 0	20,94
B	$ \begin{array}{c} 5 \\ 6 \\ 7 \\ 8 \\ 9 \\ \hline 1 \\ 2 \\ 3 \\ 4 \\ 5 \\ 6 \\ \end{array} $	Rumex acetosellaEryngium campestreCrepis biennisSilene otiteslichenConyza canadensisCynodon dactylonFestuca pseudovinaPotentilla incanaRumex acetosellaSalvia nemorosa	K TZ K GY TZ TZ K K K K K K K K K K K K K K K K	H(G) H Th H H G(H) H H H(G) H	7 5a 5k 0 6k 5k 6a 5 6k	2 2 4 2 2 4 3 2 1 2 2	$ \begin{array}{c} 2 \\ 4 \\ 0 \\ 4 \\ \hline $	0,5 0 2 0,5 6,7 0,2 3 3 0,2 0 0	20,94
	$ \begin{array}{c} 5 \\ 6 \\ 7 \\ 8 \\ 9 \\ \hline 1 \\ 2 \\ 3 \\ 4 \\ 5 \\ 6 \\ 7 \\ \hline \end{array} $	Rumex acetosellaEryngium campestreCrepis biennisSilene otiteslichenConyza canadensisCynodon dactylonFestuca pseudovinaPotentilla incanaRumex acetosellaSalvia nemorosaGypsophila muralis	K TZ K GY TZ K K K K K K K K K K K TP	H(G) H Th H H G(H) H H H(G) H Th	7 5a 5k 0 6k 5k 6a 5 6k 5a	$ \begin{array}{c} 2 \\ 2 \\ 4 \\ 2 \\ \hline 4 \\ 3 \\ 2 \\ 1 \\ 2 \\ 2 \\ 2 \\ 2 \\ \end{array} $	$ \begin{array}{c} 2 \\ 4 \\ 0 \\ 4 \\ \hline 5 \\ 2 \\ 4 \\ 2 \end{array} $	0,5 0 2 0,5 6,7 0,2 3 0,2 0 0 0 0 0 0	20,94
B	$ \begin{array}{c} 5 \\ 6 \\ 7 \\ 8 \\ 9 \\ \hline 1 \\ 2 \\ 3 \\ 4 \\ 5 \\ 6 \\ 7 \\ 8 \\ \hline 8 \\ \hline 8 \\ \hline 9 \\ \hline 1 \\ 2 \\ 3 \\ 6 \\ \hline 7 \\ 8 \\ \hline 8 \\ \hline 1 \\ 5 \\ \hline 1 \\ 8 \\ \hline 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\$	Rumex acetosellaEryngium campestreCrepis biennisSilene otiteslichenConyza canadensisCynodon dactylonFestuca pseudovinaPotentilla incanaRumex acetosellaSalvia nemorosaGypsophila muralisEryngium campestre	K TZ K GY TZ TZ K K TZ	H(G) H Th H H G(H) H H H(G) H H Th H	7 5a 5k 0 6k 5k 6a 5 6k 5a 7	$ \begin{array}{c} 2 \\ 2 \\ 4 \\ 2 \\ \hline 4 \\ 3 \\ 2 \\ 1 \\ 2 \\ 2 \\ 2 \\ 2 \\ 2 \\ 2 \\ 2 \\ 2 \\ 2 \\ 2$	$ \begin{array}{c} 2 \\ 4 \\ 0 \\ 4 \\ \hline 5 \\ 2 \\ 4 \\ 2 \\ 4 \end{array} $	0,5 0 2 0,5 6,7 0,2 3 0,2 0 0 0 0 0 0 0 0 0	20,94
B	$ \begin{array}{c} 5 \\ 6 \\ 7 \\ 8 \\ 9 \\ 1 \\ 2 \\ 3 \\ 4 \\ 5 \\ 6 \\ 7 \\ 8 \\ 9 \\ 9 \\ \end{array} $	Rumex acetosellaEryngium campestreCrepis biennisSilene otiteslichenConyza canadensisCynodon dactylonFestuca pseudovinaPotentilla incanaRumex acetosellaSalvia nemorosaGypsophila muralisEryngium campestreTragopogon dubius	K TZ K GY TZ TZ K K TZ TZ	H(G) H Th H H (H) H H H (G) H H Th H TH	7 5a 5k 0 6k 5k 6a 5 6k 5a 7 6k	$ \begin{array}{c} 2 \\ 2 \\ 4 \\ 2 \\ \hline 4 \\ 3 \\ 2 \\ \hline 1 \\ 2 \\ 2 \\ 2 \\ 2 \\ 4 \\ \end{array} $	$ \begin{array}{c} 2 \\ 4 \\ 0 \\ 4 \\ \hline 5 \\ 2 \\ 4 \\ 2 \\ 4 \\ 0 \end{array} $	$ \begin{array}{c} 0,5 \\ 0 \\ 2 \\ 0,5 \\ 6,7 \\ 0,2 \\ 3 \\ 0,2 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0$	20,94
B	$ \begin{array}{c} 5 \\ 6 \\ 7 \\ 8 \\ 9 \\ \hline 1 \\ 2 \\ 3 \\ 4 \\ 5 \\ 6 \\ 7 \\ 8 \\ \hline 8 \\ \hline 8 \\ \hline 9 \\ \hline 1 \\ 2 \\ 3 \\ 6 \\ \hline 7 \\ 8 \\ \hline 8 \\ \hline 1 \\ 5 \\ \hline 1 \\ 8 \\ \hline 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\$	Rumex acetosellaEryngium campestreCrepis biennisSilene otiteslichenConyza canadensisCynodon dactylonFestuca pseudovinaPotentilla incanaRumex acetosellaSalvia nemorosaGypsophila muralisEryngium campestreTragopogon dubiusCrepis biennis	K TZ K GY TZ TZ K K TZ TZ TZ TZ K K TZ K K TP TZ TZ K K K K	H(G) H Th H H (H) H H H (G) H H Th H Th Th Th	7 5a 5k 0 6k 5k 6a 5 6k 5a 7 6k 5a	$ \begin{array}{c} 2\\ 2\\ 4\\ 2\\ -\\ -\\ -\\ -\\ -\\ -\\ -\\ -\\ -\\ -\\ -\\ -\\ -\\$	$ \begin{array}{c} 2 \\ 4 \\ 0 \\ 4 \\ \hline $	$\begin{array}{c} 0,5 \\ 0 \\ 2 \\ 0,5 \\ 0,5 \\ 0,2 \\ 3 \\ 0,2 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 2 \\ \end{array}$	20,94
B	$ \begin{array}{c} 5\\ 6\\ 7\\ 8\\ 9\\ \hline 1\\ 2\\ 3\\ 4\\ 5\\ 6\\ 7\\ 8\\ 9\\ 10\\ 11\\ \hline \end{array} $	Rumex acetosellaEryngium campestreCrepis biennisSilene otiteslichenConyza canadensisCynodon dactylonFestuca pseudovinaPotentilla incanaRumex acetosellaSalvia nemorosaGypsophila muralisEryngium campestreTragopogon dubiusCrepis biennisTrifolium arvense	K TZ K GY TZ TZ K K TZ TZ	H(G) H Th H H (H) H H H (G) H H Th H TH	7 5a 5k 0 6k 5k 6a 5 6k 5a 7 6k	$ \begin{array}{c} 2 \\ 2 \\ 4 \\ 2 \\ \hline 4 \\ 3 \\ 2 \\ \hline 1 \\ 2 \\ 2 \\ 2 \\ 2 \\ 4 \\ \end{array} $	$ \begin{array}{c} 2 \\ 4 \\ 0 \\ 4 \\ \hline 5 \\ 2 \\ 4 \\ 2 \\ 4 \\ 0 \end{array} $	$ \begin{array}{c} 0,5 \\ 0 \\ 2 \\ 0,5 \\ 6,7 \\ 0,2 \\ 3 \\ 0,2 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0$	20,94
B	$ \begin{array}{c} 5 \\ 6 \\ 7 \\ 8 \\ 9 \\ \hline 1 \\ 2 \\ 3 \\ 4 \\ 5 \\ 6 \\ 7 \\ 8 \\ 9 \\ 10 \\ \hline 10 \\ \hline \end{array} $	Rumex acetosellaEryngium campestreCrepis biennisSilene otiteslichenConyza canadensisCynodon dactylonFestuca pseudovinaPotentilla incanaRumex acetosellaSalvia nemorosaGypsophila muralisEryngium campestreTragopogon dubiusCrepis biennis	K TZ K GY TZ TZ K K TZ TZ TZ TZ K K TZ K K TP TZ TZ K K K K	H(G) H Th H H (H) H H H (G) H H Th H Th Th Th	7 5a 5k 0 6k 5k 6a 5 6k 5a 7 6k 5a	$ \begin{array}{c} 2\\ 2\\ 4\\ 2\\ -\\ -\\ -\\ -\\ -\\ -\\ -\\ -\\ -\\ -\\ -\\ -\\ -\\$	$ \begin{array}{c} 2 \\ 4 \\ 0 \\ 4 \\ \hline $	$\begin{array}{c} 0,5 \\ 0 \\ 2 \\ 0,5 \\ 0,5 \\ 0,2 \\ 3 \\ 0,2 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 2 \\ \end{array}$	20,94
B	$ \begin{array}{c} 5\\ 6\\ 7\\ 8\\ 9\\ \hline 1\\ 2\\ 3\\ 4\\ 5\\ 6\\ 7\\ 8\\ 9\\ 10\\ 11\\ \hline \end{array} $	Rumex acetosellaEryngium campestreCrepis biennisSilene otiteslichenConyza canadensisCynodon dactylonFestuca pseudovinaPotentilla incanaRumex acetosellaSalvia nemorosaGypsophila muralisEryngium campestreTragopogon dubiusCrepis biennisTrifolium arvense	K TZ K GY TZ TZ K K TZ TZ TZ TZ K K K TP TZ K GY TZ	H(G) H Th H H G(H) H H H(G) H H Th H Th Th Th Th	7 5a 5k 0 6k 5k 6a 5 6k 5a 7 6k 5a	$ \begin{array}{c} 2\\ 2\\ 4\\ 2\\ -\\ -\\ -\\ -\\ -\\ -\\ -\\ -\\ -\\ -\\ -\\ -\\ -\\$	$ \begin{array}{c} 2 \\ 4 \\ 0 \\ 4 \\ \hline $	$ \begin{array}{c} 0,5 \\ 0 \\ 2 \\ 0,5 \\ 6,7 \\ 0,2 \\ 3 \\ 0,2 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0$	20,94
B	$ \begin{array}{c} 5\\ 6\\ 7\\ 8\\ 9\\ \hline 1\\ 2\\ 3\\ 4\\ 5\\ 6\\ 7\\ 8\\ 9\\ 10\\ 11\\ \hline \end{array} $	Rumex acetosellaEryngium campestreCrepis biennisSilene otiteslichenConyza canadensisCynodon dactylonFestuca pseudovinaPotentilla incanaRumex acetosellaSalvia nemorosaGypsophila muralisEryngium campestreTragopogon dubiusCrepis biennisTrifolium arvense	K TZ K GY TZ TZ K K TZ TZ TZ TZ K K TZ K K TP TZ TZ K K K K	H(G) H Th H H (H) H H H (G) H H Th H Th Th Th	7 5a 5k 0 6k 5k 6a 5 6k 5a 7 6k 5a	$ \begin{array}{c} 2\\ 2\\ 4\\ 2\\ -\\ -\\ -\\ -\\ -\\ -\\ -\\ -\\ -\\ -\\ -\\ -\\ -\\$	$ \begin{array}{c} 2 \\ 4 \\ 0 \\ 4 \\ \hline $	$\begin{array}{c} 0,5\\ 0\\ 2\\ 0\\ 0,5\\ 0,5\\ \hline 0,2\\ 3\\ 3\\ 0,2\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\$	
BT5 B	$ \begin{array}{c} 5 \\ 6 \\ 7 \\ 8 \\ 9 \\ \hline 1 \\ 2 \\ 3 \\ 4 \\ 5 \\ 6 \\ 7 \\ 8 \\ 9 \\ 10 \\ 11 \\ 12 \\ \hline \end{array} $	Rumex acetosellaEryngium campestreCrepis biennisSilene otiteslichenConyza canadensisCynodon dactylonFestuca pseudovinaPotentilla incanaRumex acetosellaSalvia nemorosaGypsophila muralisEryngium campestreTragopogon dubiusCrepis biennisTrifolium arvenselichenConyza canadensis	K TZ K GY TZ TZ K K TZ TZ TZ TZ K K K TP TZ K GY TZ	H(G) H Th H H G(H) H H H(G) H H Th H Th Th Th Th	$ \begin{array}{c} 7 \\ 5a \\ 5k \\ 0 \\ 6k \\ 5k \\ 6a \\ 5 \\ 6k \\ 5a \\ 7 \\ 6k \\ 5a \\ 5a$	$ \begin{array}{c} 2\\ 2\\ 4\\ 2\\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\$	$ \begin{array}{c} 2 \\ 4 \\ 0 \\ 4 \\ \hline $	0,5 0 2 0,5 6,7 0,2 3 3 0,2 0 0 0 0 0 0 0 0 0 0 0 2 0 0 0 0 8,6	
B	$ \begin{array}{c} 5\\ 6\\ 7\\ 8\\ 9\\ \hline 1\\ 2\\ 3\\ 4\\ 5\\ 6\\ 7\\ 8\\ 9\\ \hline 10\\ \hline 11\\ \hline 12\\ \hline 1\\ \hline 1 \end{array} $	Rumex acetosellaEryngium campestreCrepis biennisSilene otiteslichenConyza canadensisCynodon dactylonFestuca pseudovinaPotentilla incanaRumex acetosellaSalvia nemorosaGypsophila muralisEryngium campestreTragopogon dubiusCrepis biennisTrifolium arvenselichenConyza canadensisCynodon dactylon	K TZ K GY TZ TZ K K K K K K K K K TZ K GY TZ GY GY GY GY	H(G) H Th H H G(H) H H H H (G) H Th Th Th Th Th Th Th	$ \begin{array}{c} 7 \\ 5a \\ 5k \\ 0 \\ 6k \\ 5k \\ 6a \\ 5a \\ 7 \\ 6k \\ 5a \\ 5a \\ 5a \\ 0 \\ 0 \\ 0 \\ \end{array} $	$ \begin{array}{c} 2\\ 2\\ 4\\ 2\\ -\\ -\\ -\\ -\\ -\\ -\\ -\\ -\\ -\\ -\\ -\\ -\\ -\\$	$ \begin{array}{c} 2 \\ 4 \\ 0 \\ 4 \\ \hline $	0,5 0 2 0,5 6,7 0,2 3 3 0,2 0 0 0 0 0 0 0 0 0 0 2 0 0 0 2 0 0 2 0 0 0 2 0 0 2 0 0 2 0 0 0 0 0 0 0 0 0 0 0 0 0	

	5	Potentilla incana	K	Н	6a	1	5	1,5	
		Centaurea jacea subsp.							
	6	Angustifolia	TZ	Н	5a	6	0	0	
	7	Eryngium campestre	TZ	Н	7	2	4	0	
	8	Poa angustifolia	Е	Н	5	3	4	0,2	
	9	lichen						0,5	
	1						Σ	20,2	63,13
	1	Conyza canadensis	GY	Th-TH	0	4	0	1	
	2	Cynodon dactylon	TZ	G(H)	6k	3	0	2	
	3	Euphorbia cyparissias	GY	H(G)	5k	3	4	1,5	
2	4	Festuca pseudovina	TZ	Н	5k	2	0	2	
BO2	5	Potentilla incana	K	Н	6a	1	5	1	
,	6	Eryngium campestre	TZ	Н	7	2	4	0	
	7	Hypericum perforatum	TZ	H	5a	3	0	0	
	8	Crepis biennis	K	Th	5a	4	0	1,5	
	9	lichen						0,2	
	1	Constant loss loss	TZ		(1	2	Σ	9,2	28,75
	1	Cynodon dactylon	TZ	G(H)	6k	3	0	6	
~	2	Diplotaxis muralis	GY GY	TH-H	5 5k	3	4	0	
BO3	<u> </u>	Euphorbia cyparissias Festuca pseudovina	TZ GY	<u>H(G)</u> H	5k 5k	$\frac{3}{2}$	$\begin{array}{c c} 4\\ 0\end{array}$	<u>1</u> 3	
F	4	Eryngium campestre	TZ	<u>н</u> Н	$\frac{3\kappa}{7}$	$\frac{2}{2}$	4	$\frac{3}{0}$	
	$\frac{5}{6}$	lichen		П	/	2	4	0,5	
	0	lichen					Σ	10,5	32,81
	1	Cynodon dactylon	TZ	G(H)	6k	3	0	4	52,01
	2	Euphorbia cyparissias	GY	H(G)	5k	3	4	1,5	
4	3	Festuca pseudovina	TZ	$\frac{H(0)}{H}$	5k	2	0	3	
BO4	4	Eryngium campestre	TZ	H	7	2	4	0	
,	5	moss						0	
	6	lichen						0,2	
	1	1	I. I				Σ	8,7	27,19
	1	Petrorhagia prolifera	K	Th	6a	1	0	0,2	
	2	Cynodon dactylon	TZ	G(H)	6k	3	0	4	
S	3	Festuca pseudovina	TZ	Н	5k	2	0	8	
<u> </u>		D. (11	6a	1	5	0,2	
30	4	Potentilla incana	K	Н					
BO5	5	Thymus odoratissimus	K	Ch	5	2	3	3	
BC	5 6	Thymus odoratissimus Crepis biennis						3 2	
BC	5	Thymus odoratissimus	K	Ch	5	2	3 0	3 2 0,5	
BC	5 6 7	Thymus odoratissimus Crepis biennis lichen	K K	Ch Th	5 5a	2 4	3 0 Σ	3 2 0,5 17,9	55,94
BC	5 6 7 1	Thymus odoratissimus Crepis biennis lichen Petrorhagia prolifera	<i>K</i> <i>K</i>	Ch Th Th	5 5a 6a	2 4 1	3 0 Σ 0	3 2 0,5 17,9 0	55,94
BC	$ \begin{array}{r} 5\\ 6\\ 7\\ 1\\ 2 \end{array} $	Thymus odoratissimus Crepis biennis lichen Petrorhagia prolifera Conyza canadensis	K K K GY	Ch Th Th Th Th-TH	5 5a 6a 0	2 4 1 4	3 0 Σ 0 0	3 2 0,5 17,9 0 0,2	55,94
BC	$ \begin{array}{r} 5\\ 6\\ 7\\ 1\\ 2\\ 3\\ \end{array} $	Thymus odoratissimus Crepis biennis lichen Petrorhagia prolifera Conyza canadensis Cynodon dactylon	K K GY TZ	Ch Th Th Th-TH G(H)	5 5a 6a 0 6k	2 4 1 4 3	3 0 Σ 0 0 0	3 2 0,5 17,9 0 0,2 3	55,94
BC	$ \begin{array}{r} 5\\ 6\\ 7\\ 1\\ 2\\ 3\\ 4\\ \end{array} $	Thymus odoratissimus Crepis biennis lichen Petrorhagia prolifera Conyza canadensis Cynodon dactylon Festuca pseudovina	K K GY TZ TZ	Ch Th Th Th-TH G(H) H	5 5a 6a 0 6k 5k	2 4 1 4 3 2	3 0 Σ 0 0 0 0 0	3 2 0,5 17,9 0 0,2 3 2	55,94
BC	$ \begin{array}{r} 5\\ 6\\ 7\\ \hline 1\\ 2\\ \hline 3\\ \hline 4\\ \hline 5\\ \hline \end{array} $	Thymus odoratissimus Crepis biennis lichen Petrorhagia prolifera Conyza canadensis Cynodon dactylon Festuca pseudovina Taraxacum officinale	K K GY TZ GY	Ch Th Th-TH G(H) H H	5 5a 0 6k 5k 0	2 4 1 4 3 2 5	3 0 2 0 0 0 0 0 0 0	3 2 0,5 17,9 0 0,2 3 2 0	55,94
BC	$ \begin{array}{r} 5\\ 6\\ 7\\ 1\\ 2\\ 3\\ 4\\ 5\\ 6\\ \end{array} $	Thymus odoratissimus Crepis biennis lichen Petrorhagia prolifera Conyza canadensis Cynodon dactylon Festuca pseudovina Taraxacum officinale Trifolium arvense	K K GY TZ GY GY GY	Ch Th Th-TH G(H) H H Th	5 5a 0 6k 5k 0 5a	2 4 1 4 3 2 5 2	3 0 2 0 0 0 0 0 0 4	3 2 0,5 17,9 0 0,2 3 2 0 0 0	55,94
	$ \begin{array}{r} 5 \\ 6 \\ 7 \\ \hline 7 \\ \hline 1 \\ 2 \\ 3 \\ 4 \\ 5 \\ \hline 6 \\ 7 \\ \end{array} $	Thymus odoratissimus Crepis biennis lichen Petrorhagia prolifera Conyza canadensis Cynodon dactylon Festuca pseudovina Taraxacum officinale Trifolium arvense Potentilla incana	K K GY TZ GY GY GY K GY K	Ch Th Th-TH G(H) H H H H H H H H H H H H H	5 5a 0 6k 5k 0 5a 6a	$\begin{array}{c} 2\\ 4\\ \hline \\ 1\\ 4\\ 3\\ 2\\ 5\\ 2\\ 1\\ \end{array}$	$ \begin{array}{c} 3 \\ 0 \\ \hline $	3 2 0,5 17,9 0 0,2 3 2 0 0 0 0 0	55,94
	5 6 7 1 2 3 4 5 6 7 8	Thymus odoratissimus Crepis biennis lichen Petrorhagia prolifera Conyza canadensis Cynodon dactylon Festuca pseudovina Taraxacum officinale Trifolium arvense Potentilla incana Rumex acetosella	K K GY TZ GY GY K K K K K K K K K K K	Ch Th Th Th-TH G(H) H H Th H H (G)	5 5a 0 6a 0 6k 5k 0 5a 6a 5	$ \begin{array}{c} 2 \\ 4 \\ \hline 1 \\ 4 \\ \hline 2 \\ 5 \\ 2 \\ \hline 1 \\ 2 \\ \hline 2 \\ \hline 1 \\ 2 \\ \hline \end{array} $	$ \begin{array}{c} 3 \\ 0 \\ \hline $	3 2 0,5 17,9 0 0,2 3 2 0 0 0 0 0 0	55,94
B06 BC	$ \begin{array}{r} 5 \\ 6 \\ 7 \\ 7 \\ \hline 1 \\ 2 \\ 3 \\ 4 \\ 5 \\ 6 \\ 7 \\ 8 \\ 9 \\ 9 \\ 9 \end{array} $	Thymus odoratissimus Crepis biennis lichen Petrorhagia prolifera Conyza canadensis Cynodon dactylon Festuca pseudovina Taraxacum officinale Trifolium arvense Potentilla incana Rumex acetosella Glechoma hederacea	K K GY TZ GY GY K GY K K K K K K K K K	Ch Th Th Th-TH G(H) H H H H H H (G) H-(Ch)	5 $5a$ $6a$ 0 $6k$ $5k$ 0 $5a$ $6a$ $5a$ 5 5	$ \begin{array}{c} 2\\ 4\\ \hline \\ 1\\ \hline \\ 4\\ \hline \\ 2\\ \hline \\ 5\\ \hline \\ 2\\ \hline \\ 1\\ \hline \\ 2\\ \hline \\ 4\\ \hline \end{array} $	$ \begin{array}{c} 3 \\ 0 \\ \hline 2 \\ 4 \end{array} $ $ \begin{array}{c} 3 \\ 0 \\ \hline 0 \\ 0 \\ 0 \\ 0 \\ \hline 0 \\ 0 \\ 2 \\ 4 \end{array} $	3 2 0,5 17,9 0 0,2 3 2 0 0 0 0 0	55,94
	$ \begin{array}{r} 5 \\ 6 \\ 7 \\ 7 \\ 7 \\ 7 \\ 3 \\ 4 \\ 5 \\ 6 \\ 7 \\ 8 \\ 9 \\ 10 \\ 7 \\ 7 \\ 7 \\ 7 \\ 8 \\ 9 \\ 10 \\ 7 \\ $	Thymus odoratissimusCrepis biennislichenPetrorhagia proliferaConyza canadensisCynodon dactylonFestuca pseudovinaTaraxacum officinaleTrifolium arvensePotentilla incanaRumex acetosellaGlechoma hederaceaSalvia nemorosa	K K GY TZ GY GY K GY K K K K K K K K K K K K K K	Ch Th Th Th-TH G(H) H H H H H(G) H-(Ch) H	5 $5a$ $6a$ 0 $6k$ $5k$ 0 $5a$ $6a$ 5 5 $6k$	$ \begin{array}{c} 2 \\ 4 \\ \hline 1 \\ 4 \\ 3 \\ 2 \\ 5 \\ 2 \\ 1 \\ 2 \\ 4 \\ 2 \\ \end{array} $	$ \begin{array}{c} 3 \\ 0 \\ \hline 2 \\ 4 \\ 4 \end{array} $	3 2 0,5 17,9 0 0,2 3 2 0 0 0 0 0 0 0 0 0 0 0 0 0	55,94
	$ \begin{array}{r} 5 \\ 6 \\ 7 \\ 7 \\ \hline 1 \\ 2 \\ 3 \\ 4 \\ 5 \\ 6 \\ 7 \\ 8 \\ 9 \\ 9 \\ 9 \end{array} $	Thymus odoratissimusCrepis biennislichenPetrorhagia proliferaConyza canadensisCynodon dactylonFestuca pseudovinaTaraxacum officinaleTrifolium arvensePotentilla incanaRumex acetosellaGlechoma hederaceaSalvia nemorosaEryngium campestre	K K GY TZ GY GY GY K K K K K K K K K TZ	Ch Th Th Th-TH G(H) H H H H H (G) H-(Ch) H H	5 5a 0 6k 5k 0 5a 6a 5 5 6k 7	$ \begin{array}{c} 2 \\ 4 \\ \hline 1 \\ 4 \\ 3 \\ 2 \\ 5 \\ 2 \\ 1 \\ 2 \\ 4 \\ 2 \\ 2 \\ \end{array} $	$ \begin{array}{c} 3 \\ 0 \\ \hline 2 \\ 4 \end{array} $ $ \begin{array}{c} 3 \\ 0 \\ \hline 0 \\ 0 \\ 0 \\ 0 \\ \hline 0 \\ 0 \\ 2 \\ 4 \end{array} $	3 2 0,5 17,9 0 0,2 3 2 0 0 0 0 0 0 0 0 0 0 0 0	55,94
	$ \begin{array}{r} 5 \\ 6 \\ 7 \\ 9 \\ 10 \\ 11 \\ 7 \\ 7 \\ 7 \\ 7 \\ 7 \\ 7 \\ 7 \\ 7 \\ 7 \\ 7 \\ 7 \\ 7 \\ 7 \\ 7 \\ 9 \\ 10 \\ 11 \\ 7 \\ $	Thymus odoratissimusCrepis biennislichenPetrorhagia proliferaConyza canadensisCynodon dactylonFestuca pseudovinaTaraxacum officinaleTrifolium arvensePotentilla incanaRumex acetosellaGlechoma hederaceaSalvia nemorosaEryngium campestreTragopogon dubius	K K GY TZ GY GY K GY K K K K K K K K K K K K K K	Ch Th Th Th-TH G(H) H H H H H(G) H-(Ch) H	5 $5a$ $6a$ 0 $6k$ $5k$ 0 $5a$ $6a$ 5 5 $6k$	$ \begin{array}{c} 2 \\ 4 \\ \hline 1 \\ 4 \\ 3 \\ 2 \\ 5 \\ 2 \\ 1 \\ 2 \\ 4 \\ 2 \\ \end{array} $	$ \begin{array}{c} 3 \\ 0 \\ \hline 2 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 4 \\ 5 \\ 2 \\ 4 \\ 4 \\ 4 \\ 4 \end{array} $	3 2 0,5 17,9 0 0,2 3 2 0 0 0 0 0 0 0 0 0 0 0 0 0	55,94
	$ \begin{array}{r} 5 \\ 6 \\ 7 \\ 1 \\ 2 \\ 3 \\ 4 \\ 5 \\ 6 \\ 7 \\ 8 \\ 9 \\ 10 \\ 11 \\ 12 \\ \end{array} $	Thymus odoratissimusCrepis biennislichenPetrorhagia proliferaConyza canadensisCynodon dactylonFestuca pseudovinaTaraxacum officinaleTrifolium arvensePotentilla incanaRumex acetosellaGlechoma hederaceaSalvia nemorosaEryngium campestre	K K GY TZ TZ GY K K K K K K K K TZ	Ch Th Th Th-TH G(H) H H H H H (G) H-(Ch) H H H TH	$ \begin{array}{c} 5 \\ 5a \\ \hline 5a \\ 0 \\ 6k \\ 5k \\ 0 \\ 5a \\ 6a \\ 5 \\ 5 \\ 6k \\ 7 \\ 6k \\ \end{array} $	$ \begin{array}{c} 2 \\ 4 \\ \hline 1 \\ 4 \\ 3 \\ 2 \\ 5 \\ 2 \\ 1 \\ 2 \\ 4 \\ 2 \\ 2 \\ 4 \\ \end{array} $	$ \begin{array}{c} 3 \\ 0 \\ \hline $	3 2 0,5 17,9 0 0,2 3 2 0 0 0 0 0 0 0 0 0 0 0 0 0	55,94
	$ \begin{array}{r} 5 \\ 6 \\ 7 \\ 1 \\ 2 \\ 3 \\ 4 \\ 5 \\ 6 \\ 7 \\ 8 \\ 9 \\ 10 \\ 11 \\ 12 \\ 13 \\ \end{array} $	Thymus odoratissimusCrepis biennislichenPetrorhagia proliferaConyza canadensisCynodon dactylonFestuca pseudovinaTaraxacum officinaleTrifolium arvensePotentilla incanaRumex acetosellaGlechoma hederaceaSalvia nemorosaEryngium campestreTragopogon dubiusHypericum perforatum	K K GY TZ GY GY GY K K K K K TZ	Ch Th Th Th-TH G(H) H H H H H(G) H-(Ch) H H H TH H H	$ \begin{array}{r} 5 \\ 5a \\ \hline 5a \\ \hline 6a \\ 0 \\ 6k \\ 5a \\ \hline 5a \\ 6k \\ 7a \\ 6k \\ 5a \\ \hline 5a \\ \hline 5a \\ \hline 7a \\ 6k \\ 5a \\ \hline 5a \\ \hline 5a \\ \hline 7a \\ 6k \\ 5a \\ 5a \\ \hline 5a \\ \hline 5a \\ 5a \\ \hline 5a \\ 5a \\ $	$ \begin{array}{c} 2 \\ 4 \\ \hline 1 \\ 4 \\ 3 \\ 2 \\ 5 \\ 2 \\ 1 \\ 2 \\ 4 \\ 2 \\ 4 \\ 3 \\ \end{array} $	$ \begin{array}{c} 3\\ 0\\ \hline \\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 4\\ 5\\ 2\\ 4\\ 4\\ 4\\ 0\\ 0\\ 0\\ \end{array} $	3 2 0,5 17,9 0 0,2 3 2 0 0 0 0 0 0 0 0 0 0 0 0 0	55,94
	$ \begin{array}{r} 5 \\ 6 \\ 7 \\ 1 \\ 2 \\ 3 \\ 4 \\ 5 \\ 6 \\ 7 \\ 8 \\ 9 \\ 10 \\ 11 \\ 12 \\ 13 \\ 14 \\ \end{array} $	Thymus odoratissimusCrepis biennislichenPetrorhagia proliferaConyza canadensisCynodon dactylonFestuca pseudovinaTaraxacum officinaleTrifolium arvensePotentilla incanaRumex acetosellaGlechoma hederaceaSalvia nemorosaEryngium campestreTragopogon dubiusHypericum perforatumCrepis biennisSilene otitesElymus repens	K K GY TZ GY GY GY K K K TZ TZ TZ TZ TZ K K TZ TZ K K K K K K GY	$\begin{array}{c} Ch \\ Th \\ \hline \\ Th \\ \hline \\ Th-TH \\ G(H) \\ H \\$	$ \begin{array}{r} 5 \\ 5a \\ \hline 5a \\ \hline 6a \\ 0 \\ 6k \\ 5k \\ 0 \\ 5a \\ 5 \\ 5 \\ 6k \\ 7 \\ 6k \\ 5a \\ 5a \\ 5a \\ 5a \\ 5a \\ $	$ \begin{array}{c} 2 \\ 4 \\ \hline 1 \\ 4 \\ 3 \\ 2 \\ 5 \\ 2 \\ 1 \\ 2 \\ 4 \\ 2 \\ 4 \\ 3 \\ 4 \\ 2 \\ 3 \\ 3 \\ 4 \\ 2 \\ 3 \\ 4 \\ 2 \\ 3 \\ 4 \\ 2 \\ 3 \\ 4 \\ 2 \\ 3 \\ 4 \\ 2 \\ 3 \\ 4 \\ 2 \\ 3 \\ 3 \\ 4 \\ 2 \\ 3 \\ 4 \\ 2 \\ 3 \\ 4 \\ 2 \\ 3 \\ 4 \\ 2 \\ 3 \\ 3 \\ 4 \\ 2 \\ 3 \\ 4 \\ 4 \\ 2 \\ 3 \\ 4 \\ 4 \\ 2 \\ 3 \\ 4 \\ 4 \\ 2 \\ 3 \\ 4 \\ 4 \\ 2 \\ 3 \\ 4 \\ 4 \\ 2 \\ 3 \\ 4 \\ 4 \\ 4 \\ 2 \\ 3 \\ 4 \\ 4 \\ 4 \\ 4 \\ 4 \\ 4 \\ 4 \\ 4 \\ 4 \\ 4$	$ \begin{array}{c} 3\\ 0\\ \hline \\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 4\\ 5\\ 2\\ 4\\ 4\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0 \end{array} $	$ \begin{array}{r} 3 \\ 2 \\ 0,5 \\ 17,9 \\ 0 \\ 0,2 \\ 3 \\ 2 \\ 0$	55,94
	$ \begin{array}{r} 5\\6\\7\\7\\4\\5\\6\\7\\7\\8\\9\\10\\11\\12\\13\\14\\15\end{array}$	Thymus odoratissimusCrepis biennislichenPetrorhagia proliferaConyza canadensisCynodon dactylonFestuca pseudovinaTaraxacum officinaleTrifolium arvensePotentilla incanaRumex acetosellaGlechoma hederaceaSalvia nemorosaEryngium campestreTragopogon dubiusHypericum perforatumCrepis biennisSilene otites	K K GY TZ GY GY GY K K K TZ TZ TZ TZ TZ TZ K K TZ TZ TZ TZ TZ K K K K	Ch Th Th-TH G(H) H H H(G) H-(Ch) H H(G) H-(Ch) H	$ \begin{array}{r} 5 \\ 5a \\ \hline 5a \\ 0 \\ 6k \\ 5k \\ 0 \\ 5a \\ 5a \\ 5 \\ 6k \\ 7 \\ 6k \\ 5a \\ 5b \\ 5b \\ 5b \\ 5b \\ 5b \\ 5b \\ $	$ \begin{array}{c} 2\\ 4\\ \hline \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\$	$ \begin{array}{c} 3\\ 0\\ \hline \\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 4\\ 5\\ 2\\ 4\\ 4\\ 0\\ 0\\ 0\\ 0\\ 0\\ 4\\ \end{array} $	3 2 0,5 17,9 0 0,2 3 2 0 0 0 0 0 0 0 0 0 0 0 0 0	55,94
	$ \begin{array}{r} 5\\6\\7\\7\\8\\4\\5\\6\\7\\7\\8\\9\\10\\11\\12\\13\\14\\15\\16\end{array}$	Thymus odoratissimusCrepis biennislichenPetrorhagia proliferaConyza canadensisCynodon dactylonFestuca pseudovinaTaraxacum officinaleTrifolium arvensePotentilla incanaRumex acetosellaGlechoma hederaceaSalvia nemorosaEryngium campestreTragopogon dubiusHypericum perforatumCrepis biennisSilene otitesElymus repensEchium vulgare	K K GY TZ GY GY GY K K K TZ TZ GY K K TZ TZ TZ TZ TZ TZ K K GY TZ TZ </td <td>$\begin{array}{c} Ch \\ Th \\ \hline Th \\ \hline Th \\ \hline Th \\ Th \\ Th \\$</td> <td>$\begin{array}{r} 5 \\ 5a \\ 5a \\ 0 \\ 6k \\ 5k \\ 0 \\ 5a \\ 6a \\ 5 \\ 5a \\ 5a \\ 5a \\ 5k \\ 5a \\$</td> <td>$\begin{array}{c} 2 \\ 4 \\ \hline 1 \\ 4 \\ 3 \\ 2 \\ 5 \\ 2 \\ 1 \\ 2 \\ 4 \\ 2 \\ 4 \\ 3 \\ 4 \\ 2 \\ 3 \\ 3 \\ 4 \\ 2 \\ 3 \\ 4 \\ 2 \\ 3 \\ 4 \\ 2 \\ 3 \\ 4 \\ 2 \\ 3 \\ 4 \\ 2 \\ 3 \\ 4 \\ 2 \\ 3 \\ 3 \\ 4 \\ 2 \\ 3 \\ 4 \\ 2 \\ 3 \\ 4 \\ 2 \\ 3 \\ 4 \\ 2 \\ 3 \\ 3 \\ 4 \\ 2 \\ 3 \\ 4 \\ 4 \\ 2 \\ 3 \\ 4 \\ 4 \\ 2 \\ 3 \\ 4 \\ 4 \\ 2 \\ 3 \\ 4 \\ 4 \\ 2 \\ 3 \\ 4 \\ 4 \\ 2 \\ 3 \\ 4 \\ 4 \\ 4 \\ 2 \\ 3 \\ 4 \\ 4 \\ 4 \\ 4 \\ 4 \\ 4 \\ 4 \\ 4 \\ 4 \\ 4$</td> <td>$\begin{array}{c} 3 \\ 0 \\ 2 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 4 \\ 4 \\ 4 \\ 0 \\ 0 \\ 0 \\ 4 \\ 0 \\ 0 \\ 0 \\ 2 \\ 4 \\ 4 \\ 0 \\ 0 \\ 0 \\ 2 \\ 4 \\ 4 \\ 0 \\ 0 \\ 0 \\ 0 \\ 2 \\ 4 \\ 4 \\ 0 \\ 0 \\ 0 \\ 2 \\ 4 \\ 4 \\ 0 \\ 0 \\ 0 \\ 2 \\ 4 \\ 0 \\ 0 \\ 0 \\ 2 \\ 5 \\ 2 \\ 4 \\ 4 \\ 0 \\ 0 \\ 0 \\ 0 \\ 2 \\ 5 \\ 2 \\ 4 \\ 4 \\ 0 \\ 0 \\ 0 \\ 2 \\ 5 \\ 2 \\ 4 \\ 0 \\ 0 \\ 0 \\ 5 \\ 2 \\ 4 \\ 0 \\ 0 \\ 0 \\ 5 \\ 2 \\ 4 \\ 0 \\ 0 \\ 0 \\ 5 \\ 2 \\ 4 \\ 0 \\ 0 \\ 0 \\ 5 \\ 2 \\ 2 \\ 4 \\ 0 \\ 0 \\ 0 \\ 5 \\ 2 \\ 2 \\ 4 \\ 0 \\ 0 \\ 5 \\ 2 \\ 0 \\ 5 \\ 2 \\ 2 \\ 4 \\ 0 \\ 0 \\ 5 \\ 2 \\ 2 \\ 4 \\ 0 \\ 0 \\ 5 \\ 2 \\ 2 \\ 4 \\ 0 \\ 0 \\ 5 \\ 5 \\ 2 \\ 0 \\ 5 \\ 2 \\ 5 \\ 2 \\ 5 \\ 2 \\ 7 \\ 5 \\ 7 \\$</td> <td>3 2 0,5 17,9 0 0,2 3 2 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>55,94 </td>	$\begin{array}{c} Ch \\ Th \\ \hline Th \\ \hline Th \\ \hline Th \\ Th \\ Th \\ $	$ \begin{array}{r} 5 \\ 5a \\ 5a \\ 0 \\ 6k \\ 5k \\ 0 \\ 5a \\ 6a \\ 5 \\ 5a \\ 5a \\ 5a \\ 5k \\ 5a \\ $	$ \begin{array}{c} 2 \\ 4 \\ \hline 1 \\ 4 \\ 3 \\ 2 \\ 5 \\ 2 \\ 1 \\ 2 \\ 4 \\ 2 \\ 4 \\ 3 \\ 4 \\ 2 \\ 3 \\ 3 \\ 4 \\ 2 \\ 3 \\ 4 \\ 2 \\ 3 \\ 4 \\ 2 \\ 3 \\ 4 \\ 2 \\ 3 \\ 4 \\ 2 \\ 3 \\ 4 \\ 2 \\ 3 \\ 3 \\ 4 \\ 2 \\ 3 \\ 4 \\ 2 \\ 3 \\ 4 \\ 2 \\ 3 \\ 4 \\ 2 \\ 3 \\ 3 \\ 4 \\ 2 \\ 3 \\ 4 \\ 4 \\ 2 \\ 3 \\ 4 \\ 4 \\ 2 \\ 3 \\ 4 \\ 4 \\ 2 \\ 3 \\ 4 \\ 4 \\ 2 \\ 3 \\ 4 \\ 4 \\ 2 \\ 3 \\ 4 \\ 4 \\ 4 \\ 2 \\ 3 \\ 4 \\ 4 \\ 4 \\ 4 \\ 4 \\ 4 \\ 4 \\ 4 \\ 4 \\ 4$	$ \begin{array}{c} 3 \\ 0 \\ 2 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 4 \\ 4 \\ 4 \\ 0 \\ 0 \\ 0 \\ 4 \\ 0 \\ 0 \\ 0 \\ 2 \\ 4 \\ 4 \\ 0 \\ 0 \\ 0 \\ 2 \\ 4 \\ 4 \\ 0 \\ 0 \\ 0 \\ 0 \\ 2 \\ 4 \\ 4 \\ 0 \\ 0 \\ 0 \\ 2 \\ 4 \\ 4 \\ 0 \\ 0 \\ 0 \\ 2 \\ 4 \\ 0 \\ 0 \\ 0 \\ 2 \\ 5 \\ 2 \\ 4 \\ 4 \\ 0 \\ 0 \\ 0 \\ 0 \\ 2 \\ 5 \\ 2 \\ 4 \\ 4 \\ 0 \\ 0 \\ 0 \\ 2 \\ 5 \\ 2 \\ 4 \\ 0 \\ 0 \\ 0 \\ 5 \\ 2 \\ 4 \\ 0 \\ 0 \\ 0 \\ 5 \\ 2 \\ 4 \\ 0 \\ 0 \\ 0 \\ 5 \\ 2 \\ 4 \\ 0 \\ 0 \\ 0 \\ 5 \\ 2 \\ 2 \\ 4 \\ 0 \\ 0 \\ 0 \\ 5 \\ 2 \\ 2 \\ 4 \\ 0 \\ 0 \\ 5 \\ 2 \\ 0 \\ 5 \\ 2 \\ 2 \\ 4 \\ 0 \\ 0 \\ 5 \\ 2 \\ 2 \\ 4 \\ 0 \\ 0 \\ 5 \\ 2 \\ 2 \\ 4 \\ 0 \\ 0 \\ 5 \\ 5 \\ 2 \\ 0 \\ 5 \\ 2 \\ 5 \\ 2 \\ 5 \\ 2 \\ 7 \\ 5 \\ 7 \\ $	3 2 0,5 17,9 0 0,2 3 2 0 0 0 0 0 0 0 0 0 0 0 0 0	55,94
	$ \begin{array}{c} 5\\6\\7\\7\\1\\2\\3\\4\\5\\6\\7\\7\\8\\9\\10\\11\\12\\13\\14\\15\\16\\17\\17\\1\\1\end{array} $	Thymus odoratissimusCrepis biennislichenPetrorhagia proliferaConyza canadensisCynodon dactylonFestuca pseudovinaTaraxacum officinaleTrifolium arvensePotentilla incanaRumex acetosellaGlechoma hederaceaSalvia nemorosaEryngium campestreTragopogon dubiusHypericum perforatumCrepis biennisSilene otitesElymus repensEchium vulgareConyza canadensis	K K GY TZ GY GY GY K K K TZ TZ GY K K K TZ TZ TZ TZ TZ TZ K GY TP	Ch Th Th Th-TH G(H) H H H H H H H H H H H H H H H TH H H G TH Th-TH	$ \begin{array}{r} 5 \\ 5a \\ 5a \\ 0 \\ 6k \\ 5k \\ 0 \\ 5a \\ 6a \\ 5 \\ 6k \\ 7 \\ 6k \\ 5a \\ 5a \\ 5k \\ 5a \\ $	$ \begin{array}{c} 2\\ 4\\ \hline \\ 1\\ 4\\ \hline \\ 2\\ \hline \\ 2\\ \hline \\ 4\\ \hline \\ 2\\ \hline \\ 4\\ \hline \\ 3\\ \hline \\ 3\\ \hline \\ 4\\ \hline \\ 4\\ \hline \\ 4\\ \hline \\ 4\\ \hline \\ \\ 4\\ \hline \\ 4\\ \hline \\ \\ 4\\ \hline \\ 4\\ \hline \\ \\ \\ 4\\ \hline \\ \\ \\ 4\\ \hline \\ \\ \\ \\$	$ \begin{array}{c} 3 \\ 0 \\ \hline \Sigma \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 4 \\ 4 \\ 4 \\ 0 \\ 0 \\ 0 \\ 4 \\ 0 \\ 0 \\ 0 \\ 2 \\ 4 \\ 4 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 2 \\ 0 \\ 0 \\ 0 \\ 0 \\ 2 \\ 0 \\ 0 \\ 0 \\ 0 \\ 2 \\ 0 \\ 0 \\ 0 \\ 0 \\ 2 \\ 0 \\ 0 \\ 0 \\ 2 \\ 0 \\ 0 \\ 0 \\ 2 \\ 0 \\ $	3 2 0,5 17,9 0 0,2 3 2 0 0 0 0 0 0 0 0 0 0 0 0 0	
BO6	$ \begin{array}{c} 5\\6\\7\\7\\1\\2\\3\\4\\5\\6\\7\\7\\8\\9\\10\\11\\12\\13\\14\\15\\16\\17\\1\\1\\2\end{array} $	Thymus odoratissimusCrepis biennislichenPetrorhagia proliferaConyza canadensisCynodon dactylonFestuca pseudovinaTaraxacum officinaleTrifolium arvensePotentilla incanaRumex acetosellaGlechoma hederaceaSalvia nemorosaEryngium campestreTragopogon dubiusHypericum perforatumCrepis biennisSilene otitesElymus repensEchium vulgareConyza canadensisCynodon dactylon	K K GY TZ GY GY GY K K K TZ TZ GY K K K K K GY TZ TZ TZ TZ TZ K K GY TP GY TZ	Ch Th Th Th-TH G(H) H H H H H H H H H H H H H H T H H H T H H T H H G T H T H	$ \begin{array}{r} 5 \\ 5a \\ 5a \\ 0 \\ 6k \\ 5k \\ 0 \\ 5a \\ 6a \\ 5 \\ 6k \\ 5a \\ 5a \\ 5k \\ 5a \\ 5a \\ 5k \\ 5a \\ $	$ \begin{array}{c} 2\\ 4\\ \hline \\ 1\\ 4\\ \hline \\ 2\\ \hline \\ 4\\ \hline \\ 2\\ \hline \\ 4\\ \hline \\ 2\\ \hline \\ 4\\ \hline \\ 3\\ \hline \\ \hline $	$ \begin{array}{c} 3 \\ 0 \\ \hline 2 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 4 \\ 4 \\ 4 \\ 0 \\ $	3 2 0,5 17,9 0 0,2 3 2 0 0 0 0 0 0 0 0 0 0 0 0 0	
BO6	$ \begin{array}{c} 5\\ 6\\ 7\\ 1\\ 2\\ 3\\ 4\\ 5\\ 6\\ 7\\ 7\\ 8\\ 9\\ 10\\ 11\\ 12\\ 13\\ 14\\ 15\\ 16\\ 17\\ 1\\ 2\\ 3\\ 14\\ 15\\ 16\\ 17\\ 1\\ 2\\ 3\\ 14\\ 15\\ 16\\ 17\\ 1\\ 2\\ 3\\ 1\\ 1\\ 1\\ 1\\ 2\\ 3\\ 1\\ 1\\ 1\\ 2\\ 3\\ 1\\ 1\\ 1\\ 2\\ 3\\ 1\\ 1\\ 1\\ 2\\ 3\\ 1\\ 1\\ 1\\ 1\\ 2\\ 3\\ 1\\ 1\\ 1\\ 2\\ 3\\ 1\\ 1\\ 1\\ 1\\ 2\\ 3\\ 1\\ 1\\ 1\\ 1\\ 2\\ 3\\ 1\\ 1\\ 1\\ 1\\ 2\\ 3\\ 1\\ 1\\ 1\\ 1\\ 1\\ 2\\ 3\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\$	Thymus odoratissimusCrepis biennislichenPetrorhagia proliferaConyza canadensisCynodon dactylonFestuca pseudovinaTaraxacum officinaleTrifolium arvensePotentilla incanaRumex acetosellaGlechoma hederaceaSalvia nemorosaEryngium campestreTragopogon dubiusHypericum perforatumCrepis biennisSilene otitesElymus repensEchium vulgareConyza canadensisCynodon dactylonEuphorbia cyparissias	K K GY TZ GY GY K K K K TZ TZ GY K K TZ GY TP GY TZ GY TZ GY TZ GY	Ch Th Th $Th-TH$ $G(H)$ H H H $H(G)$ $H-(Ch)$ H H TH H TH H TH H TH H G TH G TH $G(H)$ $H(G)$	$ \begin{array}{r} 5 \\ 5a \\ 5a \\ 0 \\ 6k \\ 5k \\ 0 \\ 5a \\ 5b \\ 5a \\ 5b \\ $	$ \begin{array}{c} 2\\ 4\\ \hline \\ 1\\ 4\\ \hline \\ 2\\ \hline \\ 2\\ \hline \\ 4\\ \hline \\ 2\\ \hline \\ 4\\ \hline \\ 2\\ \hline \\ 4\\ \hline \\ 3\\ \hline \\ 4\\ \hline \\ 3\\ \hline \\ 3\\ \hline \end{array} $	$ \begin{array}{c} 3 \\ 0 \\ \hline \Sigma \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 4 \\ 4 \\ 4 \\ 4 \\ 0 \\ $	3 2 0,5 17,9 0 0,2 3 2 0 0 0 0 0 0 0 0 0 0 0 0 0	
	$ \begin{array}{c} 5\\6\\7\\7\\1\\2\\3\\4\\5\\6\\7\\7\\8\\9\\10\\11\\12\\13\\14\\15\\16\\17\\1\\2\\3\\4\\4\end{array} $	Thymus odoratissimusCrepis biennislichenPetrorhagia proliferaConyza canadensisCynodon dactylonFestuca pseudovinaTaraxacum officinaleTrifolium arvensePotentilla incanaRumex acetosellaGlechoma hederaceaSalvia nemorosaEryngium campestreTragopogon dubiusHypericum perforatumCrepis biennisSilene otitesElymus repensEchium vulgareConyza canadensisCynodon dactylonEuphorbia cyparissiasGypsophila muralis	K K GY TZ GY GY GY K K K TZ TZ GY K K TZ GY TP GY TZ GY TP	$\begin{array}{c} Ch \\ Th \\ Th \\ Th \\ Th \\ Th \\ Th \\ H \\ $	$ \begin{array}{r} 5 \\ 5a \\ 5a \\ 0 \\ 6k \\ 5k \\ 0 \\ 5a \\ $	$ \begin{array}{c} 2\\ 4\\ \hline \\ 1\\ 4\\ \hline \\ 2\\ \hline \\ 2\\ \hline \\ 4\\ \hline \\ 2\\ \hline \\ 4\\ \hline \\ 2\\ \hline \\ 4\\ \hline \\ 3\\ \hline \\ 4\\ \hline \\ 3\\ \hline \\ 2\\ \hline \\ 4\\ \hline \\ 3\\ \hline \\ 2\\ \hline 2\\ $	$ \begin{array}{c} 3 \\ 0 \\ \hline \Sigma \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 4 \\ 4 \\ 4 \\ 4 \\ 0 \\ $	3 2 0,5 17,9 0 0,2 3 2 0 0 0 0 0 0 0 0 0 0 0 0 0	
B06	$ \begin{array}{c} 5\\ 6\\ 7\\ 1\\ 2\\ 3\\ 4\\ 5\\ 6\\ 7\\ 7\\ 8\\ 9\\ 10\\ 11\\ 12\\ 13\\ 14\\ 15\\ 16\\ 17\\ 1\\ 2\\ 3\\ 14\\ 15\\ 16\\ 17\\ 1\\ 2\\ 3\\ 14\\ 15\\ 16\\ 17\\ 1\\ 2\\ 3\\ 1\\ 1\\ 1\\ 1\\ 2\\ 3\\ 1\\ 1\\ 1\\ 2\\ 3\\ 1\\ 1\\ 1\\ 2\\ 3\\ 1\\ 1\\ 1\\ 2\\ 3\\ 1\\ 1\\ 1\\ 1\\ 2\\ 3\\ 1\\ 1\\ 1\\ 2\\ 3\\ 1\\ 1\\ 1\\ 1\\ 2\\ 3\\ 1\\ 1\\ 1\\ 1\\ 2\\ 3\\ 1\\ 1\\ 1\\ 1\\ 2\\ 3\\ 1\\ 1\\ 1\\ 1\\ 1\\ 2\\ 3\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\$	Thymus odoratissimusCrepis biennislichenPetrorhagia proliferaConyza canadensisCynodon dactylonFestuca pseudovinaTaraxacum officinaleTrifolium arvensePotentilla incanaRumex acetosellaGlechoma hederaceaSalvia nemorosaEryngium campestreTragopogon dubiusHypericum perforatumCrepis biennisSilene otitesElymus repensEchium vulgareConyza canadensisCynodon dactylonEuphorbia cyparissias	K K GY TZ GY GY K K K K TZ TZ GY K K TZ GY TP GY TZ GY TZ GY TZ GY	Ch Th Th $Th-TH$ $G(H)$ H H H $H(G)$ $H-(Ch)$ H H TH H TH H TH H TH H G TH G TH $G(H)$ $H(G)$	$ \begin{array}{r} 5 \\ 5a \\ 5a \\ 0 \\ 6k \\ 5k \\ 0 \\ 5a \\ 5b \\ 5a \\ 5b \\ $	$ \begin{array}{c} 2\\ 4\\ \hline \\ 1\\ 4\\ \hline \\ 2\\ \hline \\ 2\\ \hline \\ 4\\ \hline \\ 2\\ \hline \\ 4\\ \hline \\ 2\\ \hline \\ 4\\ \hline \\ 3\\ \hline \\ 4\\ \hline \\ 3\\ \hline \\ 3\\ \hline \end{array} $	$ \begin{array}{c} 3 \\ 0 \\ \hline \Sigma \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 4 \\ 4 \\ 4 \\ 4 \\ 0 \\ $	3 2 0,5 17,9 0 0,2 3 2 0 0 0 0 0 0 0 0 0 0 0 0 0	

	7	Thymus odoratissimus	K	Ch	5	2	3	0,5	
	8	Salvia nemorosa	K	<u> </u>	6k	2	4	0,5	
	9	Eryngium campestre	TZ	H	7	2	4	0	
	10	Hypericum perforatum	TZ	H	5a	3	$\frac{1}{0}$	0	
	11	Poa angustifolia	E	 H	5	3	4	1	
	12	Crepis biennis	K	Th	5a	4	$\frac{4}{0}$	3	
	13	Diplotaxis tenuifolia	GY	$\frac{H(Ch)}{H(Ch)}$	6a	3	4	0	
	13	Trifolium arvense	GY	$\frac{\Pi(Ch)}{Th}$	5a	$\frac{3}{2}$	4	0	
	14	lichen	GI	11	50	2	4	0,5	
	15	lichen					Σ	15	46,88
	1	Cynodon dactylon	TZ	G(H)	6k	3	$\begin{array}{c} 2\\ 0\end{array}$	15	40,00
	$\frac{1}{2}$		TP	$\frac{O(11)}{Th}$	5a	3		2	
	$\frac{2}{3}$	Trifolium ornithopodioides Taraxacum officinale	GY	<u> </u>	0	5	4 0	$\frac{2}{0}$	
				$\frac{\Pi}{Ch}$	5				
	4	Thymus odoratissimus	K			2	3	0,2	
	5	Achillea millefolium	TZ	H	5k	5	0	0,2	
	6	Ranunculus repens	TZ	Н	5	8	0	0	
	7	Eryngium campestre	TZ	H	7	2	4	0,2	
IW	8	Stellaria graminea	TZ	Н	5	4	3	2	
V	9	Polygonum aviculare	GY	Th	0	4	3	1	
	10	Geranium molle	GY	Th	5	3	4	0	
	11	Bromus hordeaceus	TZ	Th	5	3	0	2	
	12	Lotus corniculatus	TZ	Н	5a	4	0	0	
	13	Plantago maritima	K	Н	5a	6	5	0	
	14	Brachypodium pinnatum	E	H(Ch)	5a	2	4	0	
	15	Viola tricolor subsp. tricolor	K	Th-H	5a	3	0	0	
	16	Trifolium pratense	TZ	Н	5	6	3	2	
		· · · ·					Σ	25,6	80,00
	1	Lolium perenne	GY	Н	5a	5	0	2	
	2	Cynodon dactylon	TZ	G(H)	6k	3	0	16	
	3	Potentilla argentea	TZ	H	5	2	3	0,5	
	4	Trifolium repens	TZ	Н	5a	5	0	1	
	5	Taraxacum officinale	GY	Н	0	5	0	0	
	6	Potentilla incana	K	Н	6a	1	5	0,2	
	7	Achillea millefolium	TZ	Н	5k	5	0	1	
M2	8	Eryngium campestre	TZ	H	7	2	4	0,2	
V	9	Polygonum aviculare	GY	Th	0	4	3	2	
	10		GY	Th	5	3	4	0	
	11	Bromus hordeaceus	TZ	Th	5	3	$\frac{1}{0}$	2	
	12	Achillea setacea	K	H	5	2	5	0,2	
	13	Phleum pratense		H	5	5	0	0,2	
	14	Festuca ovina	K	<u> </u>	5a	4	2	1	
	15	Plantago maritima	K	H	5a	6	5	$\frac{1}{0}$	
┝───┘	13		Λ	11	Ju	U	Σ	26,6	83,13
	1	Clinopodium vulgare	K	Н				20,0	03,13
	$\frac{1}{2}$	Fragaria viridis	K K	<u>н</u> Н	5k	3	1	0,2	
	$\frac{2}{3}$		K K	<u> </u>	5κ	8	4 4	$\frac{0,2}{0}$	
			TZ	<u> </u>	5 5	2	$\frac{4}{3}$	$\frac{0}{1}$	
	4	Potentilla argentea							
	5	Linaria vulgaris	TZ TZ	H(TH)	5a	3	3	0	
		- Fimpinalla savitnaga	1 77	Н	5a	3	3	0,5	
	6	Pimpinella saxifraga		~		`	2		
	7	Thymus odoratissimus	K	Ch	5	2	3	4	
3	7 8	Thymus odoratissimus Erodium cicutarium	K GY	Th	5 0	4	0	0	
M3	7 8 9	Thymus odoratissimus Erodium cicutarium Poa angustifolia	K GY E	Th H	5 0 5	4 3	0 4	0 12	
M3	7 8 9 10	Thymus odoratissimus Erodium cicutarium Poa angustifolia Achillea millefolium	K GY E TZ	Th H H	5 0 5 5k	4 3 5	0 4 0	0 12 1,5	
M3	7 8 9 10 11	Thymus odoratissimus Erodium cicutarium Poa angustifolia Achillea millefolium Puccinellia distans	K GY E TZ K	Th H H H	5 0 5 5k 5k	4 3 5 9	0 4 0 4	0 12 1,5 0,2	
M3	7 8 9 10 11 12	Thymus odoratissimus Erodium cicutarium Poa angustifolia Achillea millefolium Puccinellia distans Plantago lanceolata	K GY E TZ K TZ (K)	Th H H H H	$ \begin{array}{c} 5\\ 0\\ 5\\ 5k\\ 5k\\ 5a\\ \end{array} $	4 3 5 9 4	0 4 0 4 0	0 12 1,5 0,2 0,2	
M3	7 8 9 10 11 12 13	Thymus odoratissimus Erodium cicutarium Poa angustifolia Achillea millefolium Puccinellia distans Plantago lanceolata Carex humilis	K GY E TZ K TZ (K) E	Th H H H H H H H	$ \begin{array}{c c} 5\\ 0\\ 5\\ 5k\\ 5k\\ 5a\\ 5k\\ 5k\\ 5k\\ 5k\\ 5k\\ 5k\\ 5k\\ 5k\\ 5k\\ 5k$	4 3 5 9 4 2	0 4 0 4 0 5	0 12 1,5 0,2 0,2 0,2	
M3	7 8 9 10 11 12 13 14	Thymus odoratissimusErodium cicutariumPoa angustifoliaAchillea millefoliumPuccinellia distansPlantago lanceolataCarex humilisGypsophila muralis	K GY E TZ K TZ (K) E TP	Th H H H H H Th	$ \begin{array}{c c} 5\\ 0\\ 5\\ 5k\\ 5k\\ 5a\\ 5k\\ 5a\\ 5a\\ 5a\\ 5a\\ 5a\\ 5a\\ 5a\\ 5a\\ 5a\\ 5a$	4 3 5 9 4 2 2	0 4 0 4 0 5 2	0 12 1,5 0,2 0,2 0,2 0,2 0	
M3	7 8 9 10 11 12 13 14 15	Thymus odoratissimusErodium cicutariumPoa angustifoliaAchillea millefoliumPuccinellia distansPlantago lanceolataCarex humilisGypsophila muralisPhleum pratense	K GY E TZ K TZ (K) E TP TZ	Th H H H H H H H H H H H H H	5 0 5 $5k$ $5k$ $5a$ $5k$ $5a$ $5a$ $5a$ $5a$ $5a$	4 3 5 9 4 2 2 5	$\begin{array}{c} 0\\ 4\\ 0\\ 4\\ 0\\ 5\\ 2\\ 0\\ \end{array}$	0 12 1,5 0,2 0,2 0,2 0 1,5	
M3	7 8 9 10 11 12 13 14 15 16	Thymus odoratissimusErodium cicutariumPoa angustifoliaAchillea millefoliumPuccinellia distansPlantago lanceolataCarex humilisGypsophila muralisPhleum pratenseRumex acetosella	K GY E TZ K TZ (K) E TP TZ K	Th H(G)	5 0 5 $5k$ $5k$ $5a$ $5k$ $5a$ 5 5 5 5	4 3 5 9 4 2 2 5 2	0 4 0 5 2 0 2	0 12 1,5 0,2 0,2 0,2 0,2 0,2 0 1,5 0,2	
W3	7 8 9 10 11 12 13 14 15	Thymus odoratissimusErodium cicutariumPoa angustifoliaAchillea millefoliumPuccinellia distansPlantago lanceolataCarex humilisGypsophila muralisPhleum pratense	K GY E TZ K TZ (K) E TP TZ	Th H H H H H H H H H H H H H	5 0 5 $5k$ $5k$ $5a$ $5k$ $5a$ $5a$ $5a$ $5a$ $5a$	4 3 5 9 4 2 2 5	$\begin{array}{c} 0\\ 4\\ 0\\ 4\\ 0\\ 5\\ 2\\ 0\\ \end{array}$	$\begin{array}{c} 0 \\ 12 \\ 1,5 \\ 0,2 \\ 0,2 \\ 0,2 \\ 0,2 \\ 0 \\ 1,5 \\ 0,2 \\ 0,2 \\ 0,2 \\ \end{array}$	
W3	7 8 9 10 11 12 13 14 15 16	Thymus odoratissimusErodium cicutariumPoa angustifoliaAchillea millefoliumPuccinellia distansPlantago lanceolataCarex humilisGypsophila muralisPhleum pratenseRumex acetosellaSilene otites	K GY E TZ K TZ (K) E TP TZ K K K K K	Th H(G)	5 0 5 $5k$ $5k$ $5a$ $5k$ $5a$ 5 5 5 5	4 3 5 9 4 2 2 5 2	0 4 0 5 2 0 2	0 12 1,5 0,2 0,2 0,2 0,2 0,2 0 1,5 0,2	67,81
M4 M3	7 8 9 10 11 12 13 14 15 16	Thymus odoratissimusErodium cicutariumPoa angustifoliaAchillea millefoliumPuccinellia distansPlantago lanceolataCarex humilisGypsophila muralisPhleum pratenseRumex acetosella	K GY E TZ K TZ (K) E TP TZ K	Th H(G)	5 0 5 $5k$ $5k$ $5a$ $5k$ $5a$ 5 5 5 5	4 3 5 9 4 2 2 5 2	$ \begin{array}{c} 0 \\ 4 \\ 0 \\ 4 \\ 0 \\ 5 \\ 2 \\ 0 \\ 2 \\ 4 \\ \end{array} $	$\begin{array}{c} 0 \\ 12 \\ 1,5 \\ 0,2 \\ 0,2 \\ 0,2 \\ 0,2 \\ 0 \\ 1,5 \\ 0,2 \\ 0,2 \\ 0,2 \\ \end{array}$	67,81

	2		V	11	6	1	5	0.5	
	3	Potentilla incana	K	<u>H</u> H	6a	1	5	0,5	
	4	Poa angustifolia	E		5	3	4	6	
	5	Medicago lupulina	GY	Th-TH	5	6	4	1	
	6	Trifolium hybridum	K	<u> </u>	5a	8	4	1	
	7	Achillea millefolium	TZ	Н	5k	5	0	0,5	
	8	Centaurea jacea subsp.	TZ	Н	5a	6	0	0	
		angustifolia						-	
	9	Knautia arvensis	K	Н	5a	3	4	0	
	10	Festuca arundinacea	TZ	Н	5a	8	0	4	
	11	Stellaria graminea	TZ	Н	5	4	3	3	
	12	Achillea setacea	K	Н	5	2	5	0,2	
	13	Phleum pratense	TZ	Н	5	5	0	1,5	
	14	Lotus corniculatus	TZ	Н	5a	4	0	0,2	
	15	Juncus sp.						1	
	16	Galium verum	K	Н	5k	3	4	0	
	17	Trifolium pratense	TZ	Н	5	6	3	1	
		-					Σ	23,4	73,13
	1	Cynodon dactylon	TZ	G(H)	6k	3	0	8	
	2	Potentilla argentea	TZ	Н	5	2	3	0,2	
	3	Euphorbia cyparissias	GY	H(G)	5k	3	4	1	
	4	Potentilla incana	K	H	6a	1	5	0,5	
M5	5	Poa angustifolia	E	Н	5	3	4	6	
	6	Stellaria graminea	TZ	Н	5	4	3	3	
	7	Achillea setacea	K	Н	5	2	5	0,2	
	8	Lotus corniculatus	TZ	H	5a	4	0	0,5	
	9	Trifolium arvense	GY	Th	5a	2	4	0,5	
	-					_	Σ	19,9	62,19
	1	Cynodon dactylon	TZ	G(H)	6k	3	0	8	02,17
	2	Festuca pseudovina	TZ	<u></u>	5k	2	0	6	
	3	Potentilla incana	K	H H	6a	1	5	0,2	
	4	Thymus odoratissimus	K	$\frac{11}{Ch}$	5	2	3	4	
	5	Achillea millefolium	TZ	<u> </u>	5k	5	0	1	
M6	6	Gypsophila muralis		Th	5 <i>a</i>	2	2	$\frac{1}{0}$	
	7	Eryngium campestre	TZ	$\frac{In}{H}$	7	$\frac{2}{2}$	4	$\frac{0}{0}$	
	8		TZ	H	5k		3	0	
	9	Ranunculus polyanthemos Cerastium dubium	TP	Th	5k	4	$\frac{3}{0}$		
	10	Galium verum	K	$\frac{1n}{H}$	5k	3	4	0,2 0	
	10	Gallum Verum	Λ	11	JK	5	$\frac{4}{\Sigma}$	<u> </u>	60,63
	1	Cynodon dactylon	TZ	C(H)	6k	3	$\begin{array}{c} 2\\ 0\end{array}$	<u> </u>	00,03
				G(H)		3	5	<u> </u>	
	2	Potentilla incana	K	H	6a	-			
M7	3	Rumex acetosella	<u>К</u> К	H(G)	5	2	$\frac{2}{3}$	0	
	4	Thymus odoratissimus		Ch		2		1	
	5	Eryngium campestre	TZ	<u> </u>	7	2	4	0	
	6	Poa angustifolia	E	Н	5	3	4	2	10 77
	,		017	71 777		4	Σ	6	18,75
	1	Conyza canadensis	GY	Th-TH	0	4	0	0	
	2	Cynodon dactylon	TZ	G(H)	6k	3	0	4	
	3	Euphorbia cyparissias	GY	H(G)	5k	3	4	2	
	4	Festuca pseudovina	TZ	H	5k	2	0	3	
M8	5	Polygonum arenarium	TP	Th	6k	0	0	0,2	
V	6	Rumex acetosella	K	H(G)	5	2	2	0	
	7	Salvia nemorosa	K	Н	6k	2	4	0,2	
	8	Eryngium campestre	TZ	Н	7	2	4	0	
	9	Crepis biennis	K	Th	5a	4	0	1,5	
1								0,2	
	10	lichen							24.60
		·					Σ	11,1	34,69
		Robinia pseudoacacia	GY	MM	5	3	$\frac{\Sigma}{4}$	0	34,69
	10	·	K	MM Th	5 6a	3 1			34,69
	10	Robinia pseudoacacia	K GY		6a 0	1 4	4 0 0	0 0 0,2	34,69
6W	10 1 2	Robinia pseudoacacia Petrorhagia prolifera	K GY TZ	Th	6a	1	4 0	0 0	34,69
<i>M9</i>	10 1 2 3	Robinia pseudoacacia Petrorhagia prolifera Conyza canadensis	K GY	Th Th-TH	6a 0	1 4	4 0 0	0 0 0,2	34,69
6W	10 1 2 3 4	Robinia pseudoacacia Petrorhagia prolifera Conyza canadensis Cynodon dactylon	K GY TZ	Th Th-TH G(H)	6a 0 6k	1 4 3	4 0 0 0	0 0 0,2 8	34,69
<i>6W</i>	$ \begin{array}{r} 10\\ 1\\ 2\\ 3\\ 4\\ 5\\ \end{array} $	Robinia pseudoacacia Petrorhagia prolifera Conyza canadensis Cynodon dactylon Euphorbia cyparissias	K GY TZ GY	Th Th-TH G(H) H(G)	6a 0 6k 5k	1 4 3 3	4 0 0 0 4	0 0,2 8 0,5	34,69

	0	D 111							
	8	Potentilla incana	K	Н	6a	1	5	0,2	
	9	Rumex acetosella	K	H(G)	5	2	2	0,2	
	10	Thymus odoratissimus	K	Ch	5	2	3	3	
	11	Campanula rotundifolia	K	Н	5	3	4	0	
	12	Eryngium campestre	TZ	Н	7	2	4	0	
	13	Tragopogon dubius	TZ	TH	6k	4	0	0	
	14	Hypericum perforatum	TZ	Н	5a	3	0	0	
	15	Festuca rupicola	E	Н	6k	2	4	8	
	16	Diplotaxis tenuifolia	GY	H(Ch)	6a	3	4	0	
	17	Elymus repens	GY	G	5	3	0	4	
					-		Σ	24,1	75,31
	1	Conyza canadensis	GY	Th-TH	0	4	0	0	
	2	Cynodon dactylon	TZ	G(H)	6k	3	0	8	
	3	Gypsophila muralis		Th	5a	2	2	0	
	4	Festuca pseudovina		H H	5u	2	$\frac{2}{0}$	6	
	5		TZ	 H	5κ	3	3	$\frac{0}{0}$	
		Pimpinella saxifraga						÷	
~	6	Potentilla incana	K	H	6a	1	5	0,2	
0IW	7	Thymus odoratissimus	K	Ch	5	2	3	3	
N	8	Achillea millefolium	TZ	Н	5k	5	0	0,2	
	9	Centaurea jacea subsp.	TZ	Н	5a	6	0	0	
		angustifolia					Ŭ	Ŭ	
	10	Eryngium campestre	TZ	Н	7	2	4	0	
	11	Poa angustifolia	E	Н	5	3	4	6	
	12	Ascelpias syriaca	GY	Н	5	3	4	2	
	13	Plantago maritima	K	Н	5a	6	5	1	
							Σ	26,4	82,50
	1	Conyza canadensis	GY	Th-TH	0	4	0	0,2	-)
	2	Cynodon dactylon	TZ	<i>G(H)</i>	6k	3	0	8	
	3	Gypsophila muralis		Th	5a	2	2	0	
	4	Potentilla incana	K	H H	6a	1	5	0,2	
	5	Thymus odoratissimus	K K	$\frac{11}{Ch}$	5	$\frac{1}{2}$	3	4	
IIW	6	Achillea millefolium	TZ	H	5k	5	0	1	
	7	Eryngium campestre	TZ	H	7	2	4	0	
	8	Ambrosia artemisiifolia	GY	Th	0	5	4	0,5	
	9	Plantago lanceolata	TZ (K)	Н	5a	4	0	0,2	
		Crepis biennis	K	Th	5a	4	0	6	
	11	Galium verum	K	Н	5k	3	4	0	
							Σ	20,1	62,81
	1	Achillea setacea	K	Н	5	2	5	4	
	2							'	
		Petrorhagia prolifera	K	Th	6a	1	0	0	
	3	Petrorhagia prolifera		<u>Th</u> H	6a 5	<u>1</u> 2			
		Petrorhagia prolifera Potentilla argentea	K TZ	Н		2	0	0	
	4	Petrorhagia prolifera Potentilla argentea Setaria pumila	K TZ GY	H Th	5 0	2 2	0 3 0	0 0,2 2	
	4 5	Petrorhagia prolifera Potentilla argentea Setaria pumila Gypsophila muralis	K TZ GY TP	H Th Th	5 0 5a	2 2 2	0 3 0 2	0 0,2 2 0	
	4 5 6	Petrorhagia prolifera Potentilla argentea Setaria pumila Gypsophila muralis Festuca pseudovina	K TZ GY TP TZ	H Th Th H	5 0 5a 5k	2 2 2 2 2	0 3 0 2 0	0 0,2 2 0 4	
12	4 5 6 7	Petrorhagia prolifera Potentilla argentea Setaria pumila Gypsophila muralis Festuca pseudovina Berteroa incana	K TZ GY TP TZ GY	H Th Th H Th-H	$ \begin{array}{c} 5\\ 0\\ 5a\\ 5k\\ 6 \end{array} $	2 2 2 2 3	0 3 0 2 0 4	$ \begin{array}{c} 0 \\ 0,2 \\ 2 \\ 0 \\ 4 \\ 0,2 \\ \end{array} $	
MI2	4 5 6 7 8	Petrorhagia prolifera Potentilla argentea Setaria pumila Gypsophila muralis Festuca pseudovina Berteroa incana Rumex acetosella	K TZ GY TP TZ GY K	H Th Th H Th-H H(G)	$ \begin{array}{c} 5\\0\\5a\\5k\\6\\5\\\end{array} $	2 2 2 2 3 2 2	0 3 0 2 0 4 2	0 0,2 2 0 4 0,2 0,2 0,2	
MI2	4 5 6 7 8 9	Petrorhagia prolifera Potentilla argentea Setaria pumila Gypsophila muralis Festuca pseudovina Berteroa incana Rumex acetosella Thymus odoratissimus	K TZ GY TP TZ GY K K	H Th H Th-H H(G) Ch	$ \begin{array}{c} 5\\ 0\\ 5a\\ 5k\\ 6\\ 5\\ 5\\ 5 \end{array} $	2 2 2 2 3 2 2 2 2	0 3 0 2 0 4 2 3	0 0,2 2 0 4 0,2 0,2 0,2 2	
MI 2	4 5 6 7 8 9 10	Petrorhagia prolifera Potentilla argentea Setaria pumila Gypsophila muralis Festuca pseudovina Berteroa incana Rumex acetosella Thymus odoratissimus Salvia nemorosa	K TZ GY TP TZ GY K K K K	H Th Th H Th-H H(G) Ch H	$ \begin{array}{c} 5\\ 0\\ 5a\\ 5k\\ 6\\ 5\\ 5\\ 5\\ 6k\\ \end{array} $	2 2 2 3 2 2 2 2 2 2	0 3 0 2 0 4 2 3 4	$ \begin{array}{c} 0 \\ 0,2 \\ 2 \\ 0 \\ 4 \\ 0,2 \\ 0,2 \\ 2 \\ 0 \\ \end{array} $	
MI2	4 5 6 7 8 9 10 11	Petrorhagia prolifera Potentilla argentea Setaria pumila Gypsophila muralis Festuca pseudovina Berteroa incana Rumex acetosella Thymus odoratissimus Salvia nemorosa Eryngium campestre	K TZ GY TP TZ GY K K K TZ	H Th H H H(G) Ch H H	5 0 5a 5k 6 5 5 5 6k 7	2 2 2 3 2 2 2 2 2 2 2	$ \begin{array}{c} 0 \\ 3 \\ 0 \\ 2 \\ 0 \\ 4 \\ 2 \\ 3 \\ 4 \\ 4 \\ 4 \end{array} $	$ \begin{array}{c} 0\\ 0,2\\ 2\\ 0\\ 4\\ 0,2\\ 0,2\\ 2\\ 0\\ 0\\ 0\\ 0\\ \end{array} $	
MI 2	4 5 6 7 8 9 10 11 12	Petrorhagia prolifera Potentilla argentea Setaria pumila Gypsophila muralis Festuca pseudovina Berteroa incana Rumex acetosella Thymus odoratissimus Salvia nemorosa Eryngium campestre Ambrosia artemisiifolia	K TZ GY TP TZ GY K K TZ GY	H Th H Th-H H(G) Ch H H H Th	5 0 5a 5k 6 5 5 6k 7 0	$ \begin{array}{r} 2 \\ 2 \\ 2 \\ 3 \\ 2 \\ 2 \\ 2 \\ 2 \\ 5 \\ \end{array} $	$ \begin{array}{c} 0 \\ 3 \\ 0 \\ 2 \\ 0 \\ 4 \\ 2 \\ 3 \\ 4 \\ 4 \\ 4 \\ 4 \end{array} $	$ \begin{array}{c} 0\\ 0,2\\ 2\\ 0\\ 4\\ 0,2\\ 0,2\\ 2\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\$	
MI 2	4 5 6 7 8 9 10 11 11 12 13	Petrorhagia prolifera Potentilla argentea Setaria pumila Gypsophila muralis Festuca pseudovina Berteroa incana Rumex acetosella Thymus odoratissimus Salvia nemorosa Eryngium campestre Ambrosia artemisiifolia Poa angustifolia	K TZ GY TP TZ GY K K TZ GY GY	H Th H H-H H(G) Ch H H H Th H	5 0 5a 5k 6 5 5 6k 7 0 5 5	$ \begin{array}{r} 2 \\ 2 \\ 2 \\ 3 \\ 2 \\ 2 \\ 2 \\ 2 \\ 5 \\ 3 \\ \end{array} $	$ \begin{array}{c} 0 \\ 3 \\ 0 \\ 2 \\ 0 \\ 4 \\ 2 \\ 3 \\ 4 \\ 4 \\ 4 \\ 4 \\ 4 \\ 4 \\ 4 \\ 4 \\ 4 \\ 4$	$ \begin{array}{c} 0\\ 0,2\\ 2\\ 0\\ 4\\ 0,2\\ 0,2\\ 2\\ 0\\ 0\\ 0\\ 0\\ 4\\ \end{array} $	
MI 2	4 5 6 7 8 9 10 11 11 12 13 14	Petrorhagia prolifera Potentilla argentea Setaria pumila Gypsophila muralis Festuca pseudovina Berteroa incana Rumex acetosella Thymus odoratissimus Salvia nemorosa Eryngium campestre Ambrosia artemisiifolia Poa angustifolia Crepis biennis	K TZ GY TP TZ GY K K TZ GY K K GY E K	H Th H Th-H H(G) Ch H H Th H Th H Th	5 0 $5a$ $5k$ 6 5 5 $6k$ 7 0 5 $5a$	$ \begin{array}{r} 2 \\ 2 \\ 2 \\ 2 \\ 3 \\ 2 \\ 2 \\ 2 \\ 5 \\ 3 \\ 4 \\ \end{array} $	$ \begin{array}{c} 0\\ 3\\ 0\\ 2\\ 0\\ 4\\ 2\\ 3\\ 4\\ 4\\ 4\\ 4\\ 0\\ \end{array} $	$ \begin{array}{c} 0\\ 0,2\\ 2\\ 0\\ 4\\ 0,2\\ 0,2\\ 2\\ 0\\ 0\\ 0\\ 0\\ 4\\ 3\\ \end{array} $	
MI 2	4 5 6 7 8 9 10 11 11 12 13	Petrorhagia prolifera Potentilla argentea Setaria pumila Gypsophila muralis Festuca pseudovina Berteroa incana Rumex acetosella Thymus odoratissimus Salvia nemorosa Eryngium campestre Ambrosia artemisiifolia Poa angustifolia	K TZ GY TP TZ GY K K TZ GY GY	H Th H H-H H(G) Ch H H H Th H	5 0 5a 5k 6 5 5 6k 7 0 5 5	$ \begin{array}{r} 2 \\ 2 \\ 2 \\ 3 \\ 2 \\ 2 \\ 2 \\ 2 \\ 5 \\ 3 \\ \end{array} $	$ \begin{array}{c} 0\\ 3\\ 0\\ 2\\ 0\\ 4\\ 2\\ 3\\ 4\\ 4\\ 4\\ 0\\ 4\\ 0\\ 4\\ 0\\ 4\\ \end{array} $	$ \begin{array}{c} 0\\ 0,2\\ 2\\ 0\\ 4\\ 0,2\\ 0,2\\ 2\\ 0\\ 0\\ 0\\ 0\\ 4\\ 3\\ 1 \end{array} $	
MI 2	4 5 6 7 8 9 10 11 11 12 13 14	Petrorhagia prolifera Potentilla argentea Setaria pumila Gypsophila muralis Festuca pseudovina Berteroa incana Rumex acetosella Thymus odoratissimus Salvia nemorosa Eryngium campestre Ambrosia artemisiifolia Poa angustifolia Crepis biennis Trifolium arvense	K TZ GY TP TZ GY K K TZ GY K K GY K K K GY K GY GY GY GY GY GY GY GY GY	H Th H Th-H H(G) Ch H H Th H Th Th Th	5 0 $5a$ $5k$ 6 5 5 $6k$ 7 0 5 $5a$ $5a$	$ \begin{array}{c} 2 \\ 2 \\ 2 \\ 2 \\ 2 \\ 2 \\ 2 \\ 2 \\ 2 \\ 5 \\ 3 \\ 4 \\ 2 \\ \end{array} $	$ \begin{array}{c} 0\\ 3\\ 0\\ 2\\ 0\\ 4\\ 2\\ 3\\ 4\\ 4\\ 4\\ 4\\ 0\\ \end{array} $	0 0,2 2 0 4 0,2 0,2 2 0 0 0 0 0 4 3 1 20,6	64,38
MI 2	4 5 6 7 8 9 10 11 11 12 13 14 15	Petrorhagia prolifera Potentilla argentea Setaria pumila Gypsophila muralis Festuca pseudovina Berteroa incana Rumex acetosella Thymus odoratissimus Salvia nemorosa Eryngium campestre Ambrosia artemisiifolia Poa angustifolia Crepis biennis Trifolium arvense Cynodon dactylon	K TZ GY TP TZ GY K K TZ GY K K GY K GY K GY GY TZ GY TZ GY E K GY TZ	$\begin{array}{c} H \\ Th \\ Th \\ H \\ \hline Th-H \\ H(G) \\ \hline Ch \\ H \\ \hline H \\ \hline H \\ Th \\ \hline Th \\ \hline Th \\ \hline Th \\ \hline G(H) \\ \end{array}$	$ \begin{array}{c} 5 \\ 0 \\ 5a \\ 5k \\ 6 \\ 5 \\ 5c \\ 6k \\ 7 \\ 0 \\ 5c \\ 5a \\ 5a \\ 6k \\ 6k \\ \end{array} $	$ \begin{array}{r} 2 \\ 2 \\ 2 \\ 2 \\ 2 \\ 2 \\ 2 \\ 2 \\ 2 \\ 3 \\ 4 \\ 2 \\ 3 \\ \end{array} $	$ \begin{array}{c} 0 \\ 3 \\ 0 \\ 2 \\ 0 \\ 4 \\ 2 \\ 3 \\ 4 \\ 4 \\ 4 \\ 4 \\ 0 \\ 4 \\ 5 \\ 0 \\ 0 \\ \end{array} $	0 0,2 2 0 4 0,2 0,2 2 0 0 0 0 4 3 1 2 0,6 8	64,38
MI2	$ \begin{array}{r} 4 \\ 5 \\ 6 \\ 7 \\ 8 \\ 9 \\ 10 \\ 11 \\ 12 \\ 13 \\ 14 \\ 15 \\ \end{array} $	Petrorhagia prolifera Potentilla argentea Setaria pumila Gypsophila muralis Festuca pseudovina Berteroa incana Rumex acetosella Thymus odoratissimus Salvia nemorosa Eryngium campestre Ambrosia artemisiifolia Poa angustifolia Crepis biennis Trifolium arvense Cynodon dactylon Trifolium repens	K TZ GY TP TZ GY K K TZ GY K K GY K GY K GY E K GY TZ TZ TZ TZ TZ TZ	$\begin{array}{c} H \\ Th \\ Th \\ H \\ \hline \\ H \\ \hline \\ Th-H \\ H \\ \hline \\ Ch \\ H \\ \hline \\ H \\ \hline \\ Th \\ \hline \\ H \\ \hline \\ G(H) \\ H \end{array}$	5 0 $5a$ $5k$ 6 5 5 $6k$ 7 0 5 $5a$ $5a$	$ \begin{array}{r} 2 \\ 2 \\ 2 \\ 2 \\ 3 \\ 2 \\ 2 \\ 2 \\ 2 \\ 5 \\ 3 \\ 4 \\ 2 \\ 3 \\ 5 \\ \end{array} $	$ \begin{array}{c} 0\\ 3\\ 0\\ 2\\ 0\\ 4\\ 2\\ 3\\ 4\\ 4\\ 4\\ 4\\ 4\\ 0\\ 4\\ 5\\ 0\\ 0\\ 0\\ 0\\ 0\\ \end{array} $	0 0,2 2 0 4 0,2 0,2 2 0 0 0 0 0 4 3 1 2 0,6	64,38
MI2	4 5 6 7 8 9 10 11 11 12 13 14 15	Petrorhagia prolifera Potentilla argentea Setaria pumila Gypsophila muralis Festuca pseudovina Berteroa incana Rumex acetosella Thymus odoratissimus Salvia nemorosa Eryngium campestre Ambrosia artemisiifolia Poa angustifolia Crepis biennis Trifolium arvense Cynodon dactylon	K TZ GY TP TZ GY K K TZ GY K K GY K GY K GY GY TZ GY TZ GY E K GY TZ	$\begin{array}{c} H \\ Th \\ Th \\ H \\ \hline Th-H \\ H(G) \\ \hline Ch \\ H \\ \hline H \\ \hline H \\ Th \\ \hline Th \\ \hline Th \\ \hline Th \\ \hline G(H) \\ \end{array}$	$ \begin{array}{c} 5 \\ 0 \\ 5a \\ 5k \\ 6 \\ 5 \\ 5c \\ 6k \\ 7 \\ 0 \\ 5c \\ 5a \\ 5a \\ 6k \\ 6k \\ \end{array} $	$ \begin{array}{r} 2 \\ 2 \\ 2 \\ 2 \\ 2 \\ 2 \\ 2 \\ 2 \\ 2 \\ 3 \\ 4 \\ 2 \\ 3 \\ \end{array} $	$ \begin{array}{c} 0 \\ 3 \\ 0 \\ 2 \\ 0 \\ 4 \\ 2 \\ 3 \\ 4 \\ 4 \\ 4 \\ 4 \\ 0 \\ 4 \\ 5 \\ 0 \\ 0 \\ \end{array} $	0 0,2 2 0 4 0,2 0,2 2 0 0 0 0 4 3 1 2 0,6 8	64,38
	$ \begin{array}{r} 4 \\ 5 \\ 6 \\ 7 \\ 7 \\ 8 \\ 9 \\ 10 \\ 11 \\ 12 \\ 13 \\ 14 \\ 15 \\ \hline 1 \\ 2 \\ 3 \\ \end{array} $	Petrorhagia prolifera Potentilla argentea Setaria pumila Gypsophila muralis Festuca pseudovina Berteroa incana Rumex acetosella Thymus odoratissimus Salvia nemorosa Eryngium campestre Ambrosia artemisiifolia Poa angustifolia Crepis biennis Trifolium arvense Cynodon dactylon Trifolium repens Festuca pseudovina	K TZ GY TP TZ GY K K TZ GY K K GY K GY K GY E K GY TZ TZ TZ TZ TZ	$\begin{array}{c} H \\ Th \\ Th \\ H \\ \hline \\ H \\ \hline \\ Th-H \\ H \\ \hline \\ Ch \\ H \\ \hline \\ H \\ \hline \\ Th \\ \hline \\ H \\ \hline \\ G(H) \\ H \end{array}$	$ \begin{array}{c} 5 \\ 0 \\ 5a \\ 5k \\ 6 \\ 5 \\ 5c \\ 6k \\ 7 \\ 0 \\ 5c \\ 5a \\ 5a \\ 6k \\ 5a \\ \end{array} $	$ \begin{array}{r} 2 \\ 2 \\ 2 \\ 2 \\ 3 \\ 2 \\ 2 \\ 2 \\ 2 \\ 5 \\ 3 \\ 4 \\ 2 \\ 3 \\ 5 \\ \end{array} $	$ \begin{array}{c} 0\\ 3\\ 0\\ 2\\ 0\\ 4\\ 2\\ 3\\ 4\\ 4\\ 4\\ 4\\ 4\\ 0\\ 4\\ 5\\ 0\\ 0\\ 0\\ 0\\ 0\\ \end{array} $	0 0,2 2 0 4 0,2 0,2 2 0 0 0 0 4 3 1 20,6 8 0,5 6	64,38
	$ \begin{array}{r} 4\\5\\6\\7\\7\\8\\9\\10\\11\\12\\13\\14\\15\\14\\15\\1\\2\\3\\4\end{array}$	Petrorhagia proliferaPotentilla argenteaSetaria pumilaGypsophila muralisFestuca pseudovinaBerteroa incanaRumex acetosellaThymus odoratissimusSalvia nemorosaEryngium campestreAmbrosia artemisiifoliaPoa angustifoliaCrepis biennisTrifolium arvenseCynodon dactylonTrifolium repensFestuca pseudovinaJuncus sp.	K TZ GY TP TZ GY K K TZ GY K K GY E K GY TZ	H Th H H $H(G)$ Ch H H Th H Th Th H Th H H H H H H	$ \begin{array}{r} 5 \\ 0 \\ 5a \\ 5k \\ 6 \\ 5 \\ 5 \\ 6k \\ 7 \\ 0 \\ 5 \\ 5a \\ 5b \\ 5b \\ 5b \\ 5b \\ 5b \\ 5b \\ $	$ \begin{array}{c} 2\\ 2\\ 2\\ 2\\ 3\\ 2\\ 2\\ 2\\ 2\\ 5\\ 3\\ 4\\ 2\\ 3\\ 5\\ 2\\ \end{array} $	$ \begin{array}{c} 0\\ 3\\ 0\\ 2\\ 0\\ 4\\ 2\\ 3\\ 4\\ 4\\ 4\\ 0\\ 4\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\$	$\begin{array}{c} 0 \\ 0,2 \\ 2 \\ 0 \\ 4 \\ 0,2 \\ 0,2 \\ 2 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 4 \\ 3 \\ 1 \\ 20,6 \\ 8 \\ 0,5 \\ 6 \\ 1,5 \\ \end{array}$	64,38
LMI MI2	$ \begin{array}{r} 4\\5\\6\\7\\7\\8\\9\\10\\11\\12\\13\\14\\15\\1\\2\\3\\4\\5\end{array}$	Petrorhagia proliferaPotentilla argenteaSetaria pumilaGypsophila muralisFestuca pseudovinaBerteroa incanaRumex acetosellaThymus odoratissimusSalvia nemorosaEryngium campestreAmbrosia artemisiifoliaPoa angustifoliaCrepis biennisTrifolium arvenseCynodon dactylonTrifolium repensFestuca pseudovinaJuncus sp.Poa angustifolia	K TZ GY TP TZ GY K K TZ GY K GY E K GY TZ GY TZ GY E K GY E TZ TZ TZ TZ TZ TZ E E	H Th H H $Th-H$ $H(G)$ Ch H H Th H Th H Th H H H H H H H	$ \begin{array}{c} 5 \\ 0 \\ 5a \\ 5k \\ 6 \\ 5 \\ 5c \\ 6k \\ 7 \\ 0 \\ 5c \\ 5c \\ 6k \\ 5c \\ 5c$	$ \begin{array}{c} 2\\ 2\\ 2\\ 3\\ 2\\ 2\\ 2\\ 2\\ 2\\ 3\\ 4\\ 2\\ 3\\ 5\\ 2\\ 3\\ 3\\ 3\\ 5\\ 2\\ 3\\ 3\\ 3\\ 5\\ 2\\ 3\\ 3\\ 5\\ 2\\ 3\\ 3\\ 3\\ 5\\ 2\\ 3\\ 3\\ 3\\ 3\\ 5\\ 2\\ 3\\ 3\\ 3\\ 5\\ 2\\ 3\\ 3\\ 3\\ 5\\ 2\\ 3\\ 3\\ 3\\ 5\\ 2\\ 3\\ 3\\ 3\\ 5\\ 2\\ 3\\ 3\\ 3\\ 5\\ 2\\ 3\\ 3\\ 3\\ 3\\ 3\\ 3\\ 3\\ 3\\ 3\\ 3\\ 3\\ 3\\ 3\\$	$ \begin{array}{c} 0\\ 3\\ 0\\ 2\\ 0\\ 4\\ 2\\ 3\\ 4\\ 4\\ 4\\ 0\\ 4\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 4\\ 4\\ 4\\ 0\\ 4\\ 2\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 4\\ 4\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\$	$\begin{array}{c} 0 \\ 0,2 \\ 2 \\ 0 \\ 4 \\ 0,2 \\ 0,2 \\ 2 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 4 \\ 3 \\ 1 \\ 20,6 \\ 8 \\ 0,5 \\ 6 \\ 1,5 \\ 4 \\ \end{array}$	64,38
	$ \begin{array}{r} 4\\5\\6\\7\\7\\8\\9\\10\\11\\12\\13\\14\\15\\15\\1\\2\\3\\4\\5\\6\\6\end{array}$	Petrorhagia proliferaPotentilla argenteaSetaria pumilaGypsophila muralisFestuca pseudovinaBerteroa incanaRumex acetosellaThymus odoratissimusSalvia nemorosaEryngium campestreAmbrosia artemisiifoliaPoa angustifoliaCrepis biennisTrifolium arvenseCynodon dactylonTrifolium repensFestuca pseudovinaJuncus sp.Poa angustifoliaAncus splifolia	$\begin{array}{c c} K \\ TZ \\ GY \\ TP \\ TZ \\ GY \\ K \\ K \\ K \\ K \\ TZ \\ GY \\ E \\ GY \\ E \\ GY \\ TZ \\ T$	H Th Th H Th-H H(G) Ch H H Th Th Th Th G(H) H H H H H H	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	$ \begin{array}{r} 2\\ 2\\ 2\\ 2\\ 2\\ 3\\ 2\\ 2\\ 2\\ 2\\ 3\\ 5\\ 3\\ 4\\ 2\\ 3\\ 5\\ 2\\ 2\\ 3\\ 5\\ 2\\ 3\\ 5\\ 2\\ 3\\ 5\\ 2\\ 3\\ 5\\ 2\\ 3\\ 5\\ 2\\ 3\\ 5\\ 2\\ 3\\ 5\\ 2\\ 3\\ 5\\ 2\\ 2\\ 2\\ 2\\ 2\\ 2\\ 2\\ 2\\ 2\\ 2\\ 2\\ 2\\ 2\\$	$ \begin{array}{c} 0\\ 3\\ 0\\ 2\\ 0\\ 4\\ 2\\ 3\\ 4\\ 4\\ 4\\ 0\\ 4\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\$	$\begin{array}{c} 0\\ 0,2\\ 2\\ 0\\ 4\\ 0,2\\ 0,2\\ 2\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 4\\ 3\\ 1\\ 20,6\\ 8\\ 0,5\\ 6\\ 1,5\\ 4\\ 0,2\\ \end{array}$	64,38
	$ \begin{array}{r} 4 \\ 5 \\ 6 \\ 7 \\ 8 \\ 9 \\ 10 \\ 11 \\ 12 \\ 13 \\ 14 \\ 15 \\ \hline 1 \\ 2 \\ 3 \\ 4 \\ 5 \\ 6 \\ 7 \\ \end{array} $	Petrorhagia proliferaPotentilla argenteaSetaria pumilaGypsophila muralisFestuca pseudovinaBerteroa incanaRumex acetosellaThymus odoratissimusSalvia nemorosaEryngium campestreAmbrosia artemisiifoliaPoa angustifoliaCrepis biennisTrifolium arvenseEstuca pseudovinaJuncus sp.Poa angustifoliaAnd foliaPoa angustifoliaTrifolium repensFestuca pseudovinaJuncus sp.Poa angustifoliaAchillea millefoliumPlantago maritima	K TZ GY TP TZ GY K K TZ GY K TZ GY K TZ GY E K TZ K	$\begin{array}{c} H\\ Th\\ Th\\ H\\ \end{array}$	$ \begin{array}{r} 5 \\ 0 \\ 5a \\ 5k \\ 6 \\ 5 \\ 5 \\ 5k \\ 5a \\ 5a \\ 5a \\ 5k \\ 5k \\ 5a \\ 5k \\ 5a \\ 5k \\ 5a \\ 5a \\ 5k \\ 5a \\ $	$ \begin{array}{r} 2\\ 2\\ 2\\ 2\\ 2\\ 2\\ 2\\ 2\\ 2\\ 2\\ 2\\ 3\\ 5\\ 3\\ 4\\ 2\\ 3\\ 5\\ 6\\ 6\\ \end{array} $	$ \begin{array}{c} 0\\ 3\\ 0\\ 2\\ 0\\ 4\\ 2\\ 3\\ 4\\ 4\\ 4\\ 0\\ 4\\ 0\\ 4\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 5\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\$	$\begin{array}{c} 0\\ 0,2\\ 2\\ 0\\ 4\\ 0,2\\ 0,2\\ 2\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 4\\ 3\\ 1\\ 20,6\\ 8\\ 0,5\\ 6\\ 1,5\\ 4\\ 0,2\\ 0,2\\ 0,2\\ \end{array}$	64,38
	$ \begin{array}{r} 4\\5\\6\\7\\7\\8\\9\\10\\11\\12\\13\\14\\15\\15\\1\\2\\3\\4\\5\\6\\6\end{array}$	Petrorhagia proliferaPotentilla argenteaSetaria pumilaGypsophila muralisFestuca pseudovinaBerteroa incanaRumex acetosellaThymus odoratissimusSalvia nemorosaEryngium campestreAmbrosia artemisiifoliaPoa angustifoliaCrepis biennisTrifolium arvenseCynodon dactylonTrifolium repensFestuca pseudovinaJuncus sp.Poa angustifoliaAncus splifolia	$\begin{array}{c c} K \\ TZ \\ GY \\ TP \\ TZ \\ GY \\ K \\ K \\ K \\ K \\ TZ \\ GY \\ E \\ GY \\ E \\ GY \\ TZ \\ T$	H Th Th H Th-H H(G) Ch H H Th Th Th Th G(H) H H H H H H	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	$ \begin{array}{r} 2\\ 2\\ 2\\ 2\\ 2\\ 3\\ 2\\ 2\\ 2\\ 2\\ 3\\ 5\\ 3\\ 4\\ 2\\ 3\\ 5\\ 2\\ 2\\ 3\\ 5\\ 2\\ 3\\ 5\\ 2\\ 3\\ 5\\ 2\\ 3\\ 5\\ 2\\ 3\\ 5\\ 2\\ 3\\ 5\\ 2\\ 3\\ 5\\ 2\\ 3\\ 5\\ 2\\ 2\\ 2\\ 2\\ 2\\ 2\\ 2\\ 2\\ 2\\ 2\\ 2\\ 2\\ 2\\$	$ \begin{array}{c} 0\\ 3\\ 0\\ 2\\ 0\\ 4\\ 2\\ 3\\ 4\\ 4\\ 4\\ 0\\ 4\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\$	$\begin{array}{c} 0\\ 0,2\\ 2\\ 0\\ 4\\ 0,2\\ 0,2\\ 2\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 4\\ 3\\ 1\\ 20,6\\ 8\\ 0,5\\ 6\\ 1,5\\ 4\\ 0,2\\ \end{array}$	64,38

							Σ	20,4	63,75
	1	Cynodon dactylon	TZ	G(H)	6k	3	0	8	
	2	Festuca pseudovina	TZ	Н	5k	2	0	6	
	3	Potentilla incana	K	Н	6a	1	5	0	
	4	Juncus sp.						1,5	
LM2	5	Cleistogenes serotina	E	G	6	1	4	4	
Γ	6	Medicago lupulina	GY	Th-TH	5	6	4	2	
	7	Achillea millefolium	TZ	H	5k	5	0	0,5	
	8	Poa pratensis	K	<u> </u>	5	6	0	3	
	9	Plantago maritima	K	<u> </u>	5a	6	5	0	
	/		Λ	11	54	0	Σ	25	78,13
	1	Cynodon dactylon	TZ	G(H)	6k	3	0	16	/0,15
	$\frac{1}{2}$		TZ	<u> </u>	5a	5	0	1,5	
		Trifolium repens	K IZ	 H					
	3	Potentilla incana			6a	1	5	0,5	
	4	Ajuga chamaepitys	GY	Th Th	5	3	4	0	
•	5	Medicago lupulina	GY	Th-TH	5	6	4	2	
	6	Potentilla anserina	GY	Н	5a	7	3	0,5	
LM3	7	Plantago major	GY	Н	5a	7	0	0,2	
Γ	8	Lotus corniculatus	TZ	Н	5a	4	0	0,5	
	9	Plantago maritima	K	Н	5a	6	5	0,2	
	10	Ononis spinosa	GY	H-Ch	5a	3	0	0	
	11	Carduus acanthoides	GY	TH	6a	3	0	0	
	12	Teucrium scordium	K	Н	5a	9	4	0	
	13	Mentha aquatica	K	HH	5a	9	0	0,5	
	14	Trifolium pratense	TZ	Н	5	6	3	2	
	17	1.9000000	12				Σ	23,9	74,69
							_		/ 1,0/
	1	Cynodon dactylon	TZ	G(H)	6k	3	0	12	
	2	Festuca pseudovina	TZ	<u></u>	5k	2	0	6	
	3	Potentilla incana	K K	H	6a	1	5	0,5	
				$\frac{\Pi}{Ch}$	5	-			
	4	Thymus odoratissimus	K			2	3	2	
	5	Medicago lupulina	GY	Th-TH	5	6	4	0,5	
	6	Peucedanum carvifolia	K	H	5	2	3	0	
LM4	7	Veronica prostrata	TZ	Ch	6k	2	4	0	
Γ	8	Potentilla anserina	GY	Н	5a	7	3	0,5	
	9	Achillea collina	TZ	Н	5k	2	0	0,2	
	10	Gypsophila muralis	TP	Th	5a	2	2	0	
	11	Eryngium campestre	TZ	Н	7	2	4	0	
	12	Cerastium dubium	TP	Th	6k	3	0	0,2	
	13	Plantago maritima	K	Н	5a	6	5	0,2	
	14	Ononis spinosa	GY	H-Ch	5a	3	0	0	
		· · · · ·					Σ	22,1	69,06
	1	Cynodon dactylon	TZ	G(H)	6k	3	0	12	,
	2	Potentilla incana	K	H	6a	1	5	0,5	
	3	Thymus odoratissimus	K	Ch	5	2	3	2	
3	4	Poa angustifolia	E	$\frac{Ch}{H}$	5	3	4	4	
LM5	5	Medicago lupulina	GY E	Th-TH	5	6	4	4	
1	$\frac{5}{6}$	Eryngium campestre	TZ	<u></u> H	7	$\frac{0}{2}$	4	$\frac{1}{0}$	
	7	Achillea asplenifolia	K	Н	5k	7	4	0,2	
	8	Plantago maritima	K	Н	5a	6	5	0,2	(0.11
	-			0.47	- 11	2	Σ	19,9	62,19
	1	Cynodon dactylon	TZ	<i>G(H)</i>	6k	3	0	2	
	2	Euphorbia cyparissias	GY	H(G)	5k	3	4	0	
	3	Potentilla incana	K	Н	6a	1	5	0,2	
	4	Gypsophila muralis	TP	Th	5a	2	2	0	
9	5	Rorippa austriaca	GY	HH	6k	8	4	0	
TM6	6	Digitaria sanguinalis	GY	Th	0	2	4	0,5	
Γ	7	Alopecurus pratensis	E	Н	5	8	0	0,5	
	8	Poa pratensis	K	Н	5	6	0	1	
	9	Phleum pratense	TZ	H	5	5	0	0,2	
		Cerastium dubium	TP	Th	6k	3	0	0,2	
	10								
	10 11	Plantago maritima	K	H	5a	6	5	0,2	

Image: Second		1	Achillea setacea	V	Н	5	2	5	0.5	
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$		1		K			2		0,5	
4 Juncis sp. Angustifolia TZ H Sa 6 0 0 5 Centaurea jacea subsp. Angustifolia TZ H Sa 4 0 1 7 Pean angustifolia E H S 3 4 12 9 Puccinellia limosa K H Sa 4 0 1.5 10 Galium verum K H Sa 4 0.2 1.5 12 Ramneulus pedatus TZ Th'TH Sa 2 4 0.5 2 13 Mentha aquatica K HH Sa 9 0 2 9.438 2 Achillea setacca K H 5a 0.5 0.5 3 0.5 3 0.2 9.438 4 Patentilla incana K H 5a 1 4 0.5 0.5 2 5 0.5 2 5 0.5 2 5 3.0.5										
String 5 Centure jaces subsp. Angustifolia TZ H 5a 6 0 0 6 Planingo lanceolata TZ (K) H 5a 4 0 1 7 Poa angustifolia E H 5 3 4 0 1.5 8 Lotus corriculatus TZ H 5a 4 0 1.5 9 Puccinella limosa K H 5 10 4 0.2 11 Daucus carota TZ Th'TH 5a 2 5 2 12 Kanincolus pedatus K HIG 5k 2 0.5 2 Achillea setacca K H 5a 6 0 0 2 Achillea setacca K H 5a 6 0 0 2 Achillea millefolium TZ H 5a 6 0 0 2 Achillea millefolium TZ H<				Λ	П	00	1	5		
Image Intervention Image Intervention Image Intervention Image Intervention Image Intervention TZ (K) H Sa 4 0 1 Image Intervention TZ (K) H Sa 4 0 1 Image Intervention TZ (H) Sa 4 0 1 Image Intervention K H St 3 4 0.2 Image Intervention K H St 3 4 0.2 Image Intervention TZ The TH Sa 4 0.2 2 Image Intervention TZ The TH Sa 9 0 2 Image Intervention TZ H Sa 6 4 4 Image Intervention TZ H Sa 6 4 4 Image Intervention TZ H Sa 6 0 0 Image Intervention TZ H Sa 6 0 0									4	
EVI 6 Plantago lanceolata TZ (K) H Sa 4 0 1 7 Poa angustifolia E H 5 3 4 12 8 Lons corniculatus TZ H 5a 4 0 1,5 9 Puccinellia limosa K H 5a 4 0,2 11 Datcus carota TZ Th-TH 5a 2 2 13 Mentha aquatica K HH 5a 9 0 2 1 Achillea setacea K HH 5a 0 0,5 2 Achillea setacea K H 5a 0 0,5 3 Daculys glomerata TZ H 5a 6 0 0 3 Daculys signemerata TZ H 5a 6 0 0 4 Potentilla incona K H 5a 2 0 0		5		TZ	H	5a	6	0	0	
Y Pa angustifolia E H S 3 4 12 8 Lotus cornicultus TZ H 5a 4 0 1.5 9 Puccinellia linosa K H 5k 10 4 2 10 Galium verum K H 5k 3 4 0.2 11 Daucus carota TZ Th-TH 5a 2 5 2 12 Remuculus pedatus K HG 5k 2 4 0.5 13 Mentha aquatica K HH 5a 0 0.5 2 Achilles attacca K H 5a 0.5 0.5 3 Dacylis glomerata TZ H 5a 6 0 0 4 Potentilla incana K H 6a 1 5 2 5 Juncus spication GZ TZ H 5a 6 0 <t< td=""><td></td><td>6</td><td></td><td>TT(K)</td><td>Ц</td><td>5 a</td><td>1</td><td>0</td><td>1</td><td></td></t<>		6		TT(K)	Ц	5 a	1	0	1	
8 Lotus corniculatus TZ H Sa 4 0 1.5 9 Puccinellia limosa K H 5 10 4 2 10 Galum verum K H 5k 3 4 0.2 11 Dateces carota TZ Th-TH 5a 2 5 2 12 Remunculus pedatas K HH 5a 9 0 2 13 Mentha aquatica K HH 5a 9 0 2 14 Achillea setacea K HH 5a 6 4 4 Potentilla lincana TZ H 5a 6 0 0.5 2 2 Achillea setacea K H 5a 6 0 0 7 3 Dacylis glomerata TZ H 5a 6 0 0 7 4 Potangusfi/olia E H 5a	M							-		
$ \begin{split} & \underbrace{9 \ Puccinellia limosa}{Puccinellia limosa} & \underbrace{K} & H & \underbrace{5} \ 10 & 4 & 2 \\ 10 \ Galiam verum & \underbrace{K} & H & \underbrace{5} & 10 & 4 & 2 \\ 10 \ Galiam verum & \underbrace{K} & H & \underbrace{5} & 3 & 4 & 0.2 \\ 11 \ Daucus carota & TZ & Th-TH & Sa & 2 & 5 & 2 \\ 12 \ Remuculus pedatus & \underbrace{K} & HG & \underbrace{5k} & 2 & 4 & 0.5 \\ 13 \ Mentha aquatica & K & HH & Sa & 9 & 0 & 2 \\ \hline & & & & & & & & & & & & & & & & & &$							-			
IO Galum verum K H 5k 3 4 0.2 11 Daucus carota TZ Th-TH 5a 2 5 2 12 Ramunclus pedatus K HG 5k 2 4 0.5 13 Mentha aquatica K HH 5a 9 0 2 2 Achillea millefolium TZ H 5a 0 0.5 30.2 9438 3 Dacylis glomerata TZ H 5a 6 4 4 4 Potentilla incana K H 6a 1 5 2 0 6 Centaurea jacea subsp. TZ H 5a 6 0 0 7 Gypsophila muralis TP Th 5a 2 2 0 7 Gypsophila muralis TP Th 5a 2 0 5 7 Plantago lanceolata TZ (K) <										
II Daucus carota TZ Th-TH Sa 2 5 2 12 Ramuculus pedatus K HG 5k 2 4 0,5 13 Memha aquatica K HH 5a 9 0 2 1 Achillea setacea K HH 5a 0 0,5 2 Achillea setacea K H 5 2 0,5 3 Dacylis glomerata TZ H 5a 6 4 4 9 Potenilla incana K H 6a 1 5 2 0 4 Potenilla incana K H 6a 0 0 0 7 Cypsophila muralis TP Th 5a 2 2 0 8 Galeopsis ladanum G Th 5 4 0 0,5 10 Poa angustifolia E H 5a 3 4 2										
I2 Ramunculus pedatus K HG 5k 2 4 0,5 13 Mentha aquanica K HH 5a 9 0 2 1 Achillea amillefolium TZ H Sa 5 0,5 3 2 Achillea setacea K H 5 2 5 0,5 3 Dacylis glomerata TZ H Sa 6 4 4 4 Potenilla incana K H 6a 1 5 2 0 5 Juncus sp. - - - 4 - 4 6 Centaurea jacea subsp. TZ H Sa 6 0 0 7 Gyspophila muralis TP Th 5a 4 0 0,5 9 Plantogo lanceolata TZ (K) H 5a 4 0 1,5 12 Duccinellia limosa K H 5k <td></td>										
I3 Mentha aquatica K HH 5a 9 0 2 I Achillea millefolium TZ H 5k 5 0,5 2 Achillea setacea K H 5 2 5 0,5 3 Dactylis glomerata TZ H 5a 6 4 4 4 Potentilla lincana K H 6a 1 5 2 0 6 Centaurea jacca subsp. TZ H 5a 6 0 0 7 Gepsophila muralis TP Th 5a 2 0 5 8 Galceopsis Iadamum G Th 5 4 5 0,5 9 9 Plantago lanceolata TZ H 5a 4 0 1,5 1 10 Poa angustifolia E H 5a 3 4 2 1 1 Ramunculus pedatus K HG <td></td>										
$\begin{split} \mathfrak{F}_{1} & \begin{array}{ccccccccccccccccccccccccccccccccccc$			<u> </u>							
I Achillea millefolium TZ H Sk 5 0 0.5 2 Achillea setacea K H 5a 6 4 4 3 Dactylis glomerata TZ H 5a 6 4 4 4 Potentilla incana K H 6a 1 5 2 5 Juncus sp. - - - 4 4 6 Centaurea jacea subsp. TZ H 5a 6 0 0 7 Gypsophila muralis TP Th 5a 4 5 0.5 9 Plantago lanceolata TZ (K) H 5a 4 0 0.5 10 Poa angustifolia E H 5a 4 0 1.5 12 Puccinellia limosa K H 5k 2 4 0.2 13 Dancus carota TZ Th-TH 5a 3 0.5<		13	Mentha aquatica	Λ	НН	5a	9	~		04.20
$ \begin{split} & \begin{array}{ c c c c c c c c c c c c c c c c c c c$		1	A shills - mill of a line	TZ	11	51-	5			94,38
3 Dactylis glomerata TZ H 5a 6 4 4 4 Potentilla incana K H 6a 1 5 2 5 Juncus sp. - - 4 - 4 6 Centaurea jacea subsp. TZ H 5a 6 0 0 7 Gypsophila muralis TP Th 5 4 5 0,5 9 Plantago lanceolata TZ (K) H 5a 4 0 0,5 10 Poa angustifolia E H 5 3 4 8 11 Lotus corniculatus TZ H 5a 4 0.2 1.5 12 Puccinelia limosa K HG 5k 2 4 0.2 14 Achillea setacea K H 5 2 5 0.5 2 Cynodon dactylon TZ G(H) 6k 3 0 <td></td> <td></td> <td>-</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>			-							
$ \mathfrak{M} \begin{tabular}{ c c c c c c c c c c c c c c c c c c c$										
$ \begin{split} & \begin{array}{ c c c c c c c c c c c c c c c c c c c$										
$ \mathfrak{PT} = \begin{matrix} 6 & Centaurea jacea subsp. \\ Angustifolia & TZ & H & 5a & 6 & 0 & 0 \\ Angustifolia & TP & Th & 5a & 2 & 2 & 0 \\ \hline 8 & Galeopsis ladanum & G & Th & 5 & 4 & 5 & 0,5 \\ \hline 9 & Plantago lanceolata & TZ (K) & H & 5a & 4 & 0 & 0,5 \\ \hline 10 & Poa angustifolia & E & H & 5 & 3 & 4 & 8 \\ \hline 11 & Lotus corniculatus & TZ & H & 5a & 4 & 0 & 1,5 \\ \hline 12 & Puccinellia limosa & K & H & 5k & 3 & 4 & 2 \\ \hline 13 & Daucus carota & TZ & Th-TH & 5a & 2 & 5 & 2 \\ \hline 14 & Ramurculus pedatus & K & HG & 5k & 2 & 4 & 0,2 \\ \hline & & & & & & & & & & & & & & & \\ \hline 1 & Achillea setacea & K & H & 5k & 3 & 0 & 12 \\ \hline & & & & & & & & & & & & & & & & \\ \hline & & & &$				K	Н	6a	1	3		
Matrix IZ II Sa 0 0 0 7 Gypsophila muralis TP Th 5a 2 2 0 8 Galcopsis ladamum G Th 5 4 5 0,5 9 Plantago lanceolata TZ (K) H 5a 4 0 0,5 10 Poa angustifolia E H 5 3 4 8 11 Lotus corniculatus TZ H 5a 4 0 1,5 12 Puccinella imosa K H 5k 3 4 2 13 Daucus carota TZ Th-TH 5a 2 5 2 14 Remunculus pedatus K HG 5k 2 4 0,2 2 Cynodon dactylon TZ G(H) 6k 3 0 12 3 Pimpinella saxifraga TZ H 5a 3 0,5 <td></td> <td>5</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>4</td> <td></td>		5							4	
$ \begin{split} & \fbox \\ & \fbox \\ & \hline \\ \\$		6		TZ	H	5a	6	0	0	
$ \begin{split} & \begin{tabular}{ c c c c c c c c c c c c c c c c c c c$	8				m 1				0	
$ \begin{split} & \P \ Plantago lanceolata & TZ (K) & H & 5a & 4 & 0 & 0,5 \\ \hline 10 \ Poa angustifolia & E & H & 5 & 3 & 4 & 8 \\ \hline 11 \ Lotus corniculatus & TZ & H & 5a & 4 & 0 & 1,5 \\ \hline 12 \ Puccinellia limosa & K & H & 5k & 3 & 4 & 2 \\ \hline 13 \ Daucus carota & TZ & Th-TH & 5a & 2 & 5 & 2 \\ \hline 14 \ Ramunculus pedatus & K & HG & 5k & 2 & 4 & 0,2 \\ \hline & & & & & & & & & & & & & & & & & &$	ΓV									
$ \begin{split} & \hline 10 Poa angustifolia & E & H & 5 & 3 & 4 & 8 \\ \hline 11 Lotus corniculatus & TZ & H & 5a & 4 & 0 & 1,5 \\ \hline 12 Puccinellia limosa & K & H & 5k & 3 & 4 & 2 \\ \hline 13 Dancus carota & TZ & Th-TTH & 5a & 2 & 5 & 2 \\ \hline 14 Ranunculus pedatus & K & HG & 5k & 2 & 4 & 0,2 \\ \hline & & & & & & & & & & & & & & & & \\ \hline & & & &$							-			
$ \begin{split} & \hline 11 Lotus \ corniculatus & TZ & H & 5a & 4 & 0 & 1,5 \\ \hline 12 Puccinellia limosa & K & H & 5k & 3 & 4 & 2 \\ \hline 13 Daucus \ carota & TZ & Th-TH & 5a & 2 & 5 & 2 \\ \hline 14 Ramnculus pedatus & K & HG & 5k & 2 & 4 & 0,2 \\ \hline 14 Ramnculus pedatus & K & HG & 5k & 2 & 4 & 0,2 \\ \hline 14 Ramnculus pedatus & K & HG & 5k & 2 & 4 & 0,2 \\ \hline 14 Ramnculus pedatus & K & HG & 5k & 2 & 4 & 0,2 \\ \hline 14 Ramnculus pedatus & K & HG & 5k & 2 & 4 & 0,2 \\ \hline 14 Ramnculus pedatus & K & HG & 5k & 2 & 5 & 0,5 \\ \hline 14 Ramnculus pedatus & K & HG & 5k & 2 & 5 & 0,5 \\ \hline 14 Ramnculus pedatus & K & HG & 5k & 3 & 0 & 12 \\ \hline 12 Cynodon \ dactylon & TZ & G(H) & 6k & 3 & 0 & 12 \\ \hline 2 Cynodon \ dactylon & TZ & H & 5a & 3 & 3 & 0,2 \\ \hline 5 Mentha \ longifolia & K & H(G) & 5a & 9 & 4 & 1 \\ \hline 6 Centaurea \ jacea \ subsp. & TZ & H & 5a & 6 & 0 & 0 \\ \hline 7 Ononis \ spinosa & GY & H-Ch & 5a & 3 & 0 & 0 \\ \hline 7 Ononis \ spinosa & GY & H-Ch & 5a & 3 & 0 & 0 \\ \hline 7 Ononis \ spinosa & GY & H-Ch & 5a & 3 & 4 & 12 \\ \hline 10 Galium \ verum & K & H & 5k & 3 & 4 & 0 \\ \hline 7 Centaurea \ jacea \ subsp. & TZ & H & 5a & 6 & 0 & 0 \\ \hline 7 Ononis \ spinosa & GY & H-Ch & 5a & 3 & 0 & 0 \\ \hline 7 Ononis \ spinosa & GY & H-Ch & 5a & 3 & 0 & 0 \\ \hline 7 Ononis \ spinosa & GY & H-Ch & 5a & 3 & 0 & 0 \\ \hline 7 1 Lotus \ maritimus & & & & & & & & & & & & & & & & & & &$								-		
$ \begin{split} \hline 12 \ Puccinellia limosa & K & H & 5k & 3 & 4 & 2 \\ \hline 13 \ Daucus carota & TZ & Th-TH & 5a & 2 & 5 & 2 \\ \hline 14 \ Ramarculus pedatus & K & HG & 5k & 2 & 4 & 0,2 \\ \hline 14 \ Ramarculus pedatus & K & HG & 5k & 2 & 4 & 0,2 \\ \hline 14 \ Ramarculus pedatus & K & HG & 5k & 2 & 4 & 0,2 \\ \hline 14 \ Ramarculus pedatus & K & HG & 5k & 2 & 4 & 0,2 \\ \hline 12 \ Cynodon dactylon & TZ & G(H) & 6k & 3 & 0 & 12 \\ \hline 2 \ Cynodon dactylon & TZ & G(H) & 6k & 3 & 0 & 12 \\ \hline 3 \ Pimpinella saxifraga & TZ & H & 5a & 3 & 3 & 0,2 \\ \hline 4 \ Senecio erucifolius subsp. & TZ & H & 5a & 3 & 0,5 \\ \hline 5 \ Mentha longifolia & K & H(G) & 5a & 9 & 4 & 1 \\ \hline 6 \ Centaurea jacea subsp. & TZ & H & 5a & 6 & 0 & 0 \\ \hline 7 \ Ononis spinosa & GY & H-Ch & 5a & 3 & 0 & 0 \\ \hline 8 \ Plantago lanceolata & TZ (K) & H & 5a & 4 & 0 & 0,5 \\ \hline 9 \ Poa angustifolia & E & H & 5 & 3 & 4 & 12 \\ \hline 10 \ Galium verum & K & H & 5k & 3 & 4 & 0 \\ \hline 1 \ Lotus maritimus & & & & & & & & & & & & & \\ \hline 1 \ Lotus maritimus & & & & & & & & & & & & & & & & & & &$							-			
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$										
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$										
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$										
$ {\rm PY} = \left(\begin{array}{cccccccccccccccccccccccccccccccccccc$		14	Ranunculus pedatus	K	HG	5 <i>k</i>	2			00.01
$ \begin{split} & \underbrace{ \begin{array}{cccccccccccccccccccccccccccccccccc$		1	4 1 11	77			2			80,31
$ \begin{split} & \begin{array}{ c c c c c c c c c c c c c c c c c c c$										
$ \begin{split} & \begin{array}{c ccccccccccccccccccccccccccccccccccc$										
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		3		TZ	Н	<u>5a</u>	3	3	0,2	
$ \begin{split} & \underbrace{\text{tenuiyotus}}_{\text{F}} & \underbrace{\text{tenuiyotus}}_{\text{F}} & \underbrace{\text{K}}_{\text{H}}(G) & 5a & 9 & 4 & 1 \\ \hline 5 & \underbrace{\text{Mentha longifolia}}_{\text{angustifolia}} & K & H(G) & 5a & 9 & 4 & 1 \\ \hline 6 & \underbrace{\text{Centaurea jacea subsp.}}_{\text{angustifolia}} & TZ & H & 5a & 6 & 0 & 0 \\ \hline 7 & Ononis spinosa & GY & H-Ch & 5a & 3 & 0 & 0 \\ \hline 8 & Plantago lanceolata & TZ(K) & H & 5a & 4 & 0 & 0,5 \\ \hline 9 & Poa angustifolia & E & H & 5 & 3 & 4 & 12 \\ \hline 10 & Galium verum & K & H & 5k & 3 & 4 & 0 \\ \hline & & & & & & & & & & & & & & \\ \hline & & & &$		4		TZ	Н	5	5	3	0,5	
$ \begin{split} & \overbrace{I} & \overbrace{agustifolia} & \boxed{TZ} & \boxed{H} & \boxed{5a} & \boxed{6} & \boxed{0} & \boxed{0} \\ & \overbrace{agustifolia} & \boxed{GY} & \boxed{H-Ch} & \boxed{5a} & \boxed{3} & 0 & 0 \\ & \overbrace{Pantago lanceolata} & \boxed{TZ(K)} & \boxed{H} & \boxed{5a} & 4 & 0 & 0,5 \\ \hline & 9 & Poa angustifolia & \boxed{E} & \boxed{H} & \boxed{5} & \boxed{3} & 4 & 12 \\ \hline & 10 & \boxed{Galium verum} & K & \boxed{H} & \boxed{5k} & \boxed{3} & 4 & 0 \\ \hline & & & & & & & & & & \\ \hline & & & & & &$										
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	SW	5		K	H(G)	<u>5a</u>	9	4	1	
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	Г	6		TZ	H	5a	6	0	0	
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$				CV			2	0	0	
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$										
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$										
$\begin{array}{c c c c c c c c c c c c c c c c c c c $										
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$		10	Galium verum	K	H	$\int Sk$	3			
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$,	T , •,•			1		Σ		83,44
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $										
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		2		TZ	G(H)	6k	3	U	12	
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$		3		TZ	Н	5a	6	0	0	
OPVI 5 Ononis spinosa GY H-Ch 5a 3 0 0 6 Galeopsis ladanum G Th 5 4 5 2 7 Plantago lanceolata TZ (K) H 5a 4 0 0,5 8 Poa angustifolia E H 5 3 4 8 9 Galium verum K H 5k 3 4 0									0	
7 Plantago lanceolata TZ (K) H 5a 4 0 0,5 8 Poa angustifolia E H 5 3 4 8 9 Galium verum K H 5k 3 4 0										
7 Plantago lanceolata TZ (K) H 5a 4 0 0,5 8 Poa angustifolia E H 5 3 4 8 9 Galium verum K H 5k 3 4 0	IM									
8Poa angustifoliaEH53489Galium verumKH5k340	Γ									
9 Galium verum K H 5k 3 4 0										
I = I = I = I = I = I = I = I = I = I =									-	
		10	Carduus acanthoides	GY	TH	6a	3	0	0	
11Daucus carotaTZTh-TH5a251,5		11	Daucus carota	TZ	Th-TH	<u>5</u> a	2			
Σ 26 81,25								Σ	26	81,25

REFERENCES

- Balázs, F. 1949: A gyepek termésbecslése növényszociológiai felvételek alapján. Agrártudomány I.1. 26-35.
- Baranyi, B. 2001: Hajdúbagos, ahol az egyetlen hazai Földikutya-rezervátum található. In: Baranyi B. (ed.)

2001. Magyarország kisrégiói 8/2. Hajdú-Bihar megye Debrecen és térsége: 110-119. CEBA Kiadó. Budapest Béri, B., Vajna, T-né and Czeglédi, L. 2004: A védett természeti területek legeltetése. In: Nagy G. és Lazányi J. (ed.) 2004. Gyepek az Agrár- és vidékfejlesztési politikában: 50-59. Debreceni Egyetem. Debrecen

- Bodó, I. 2005: Legeltetés a táj- és környezetvédelemben. In: Jávor A. (ed.) 2005. *Gyep-Állat-Vidék-Kutatás-Tudomány: 106-112.* Debreceni Egyetem. Debrecen
- Dorka, D. 2004: Döntéstámogató talajinformációs rendszer kialakítása a mezőgazdaságban. In: Jávor A. (ed.) 2004. Debreceni Egyetem Agrártudományi Közlemények 13: 130-134. Debreceni Egyetem. Debrecen
- Gyarmathy, I. 1993: A Hajdúsági Tájvédelmi Körzet. In: Lovas M. (ed.) 1993: A Hajdúsági Tájvédelmi Körzet: 9-17. Déri Múzeum Baráti Köre – Hortobágyi Nemzeti Park Igazgatóság. Debrecen
- Hortobágy National Park Directorate 2003: Az Észak-Alföld és a 30 éves Hortobágyi Nemzeti Park természeti és kulturális értékei. CD ROM. Hortobágyi Nemzeti Park Igazgatóság. Debrecen
- Kozma, G. 1998: Hajdúbagos. In: Süli-Zakar I. (ed.) 1998. Hajdú-Bihar megye kézikönyve: 661-664. Csiszér Bt.-CEBA Kiadó. Budapest

- Mazsu, I. 2001: Gazdasági, társadalmi és kulturális jellemzők. In: Mazsu I. (ed.). 2002. *Hajdúbagosi Földikutya Rezervátum kezelési terve: 44-46.* Hortobágyi Nemzeti Park Igazgatóság. Debrecen
- Molnár, A. 2001: Fizikai jellemzők. In: Mazsu I. (ed.). 2002. Hajdúbagosi Földikutya Rezervátum kezelési terve: 12-14. Hortobágyi Nemzeti Park Igazgatóság. Debrecen
- Priszter, Sz. 1998: Növényneveink. Mezőgazda Kiadó. Budapest
- Simon, T. 2000: A magyarországi edényes flóra határozója. Nemzeti Tankönyvkiadó. Budapest
- Stefler, J. and Vinczeffy, I. 2001: Környezet- és természetvédelmi igényeket is szolgáló extenzív állattartási rendszerek létrehozása. In: Kovács F., Kovács J. and Banczerowski J-né (ed.) 2001. Lehetőségek az agrártermelés környezetbarát fejlesztésében: 64-87. Magyar Tudományos Akadémia Agrártudományok Osztálya, Budapest.