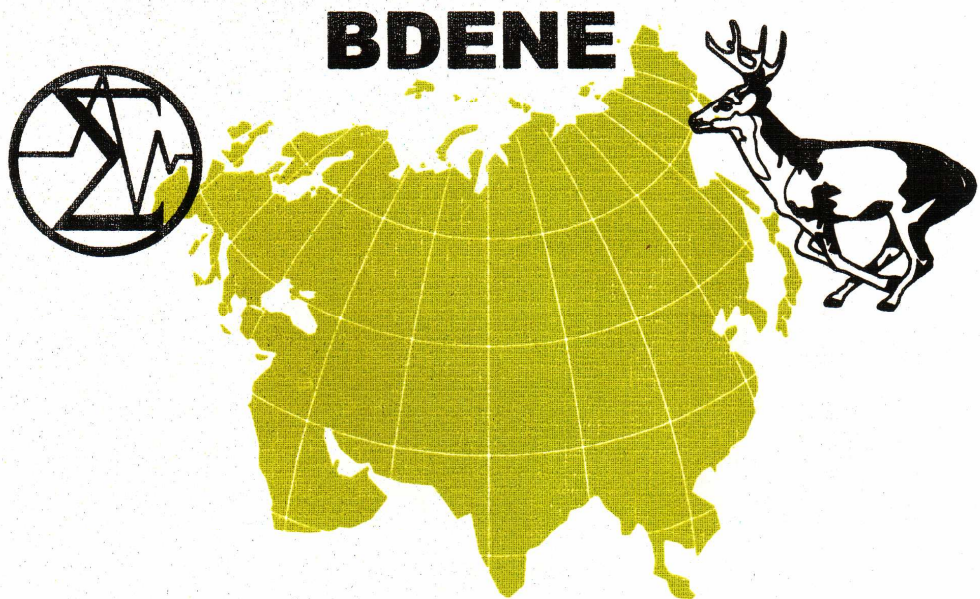


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OF ECOSYSTEMS IN NORTH EURASIA**



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DYNAMICS OF COENOPOPULATION BUTTERCUPS CREEPING (*RANUNCULUS REPENS* L.) DENSITY ON EXPERIMENTAL CONDITIONS

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Introduction

It was studied dynamics of density an coenopopulation Buttercups creeping on experimental conditions. Buttercups creeping (living strategy - false expletent Миркин, 1985) play especial role in phytocenosis remediation damaged grasslands, pioneer).

Buttercups creeping is weed with underground-moving creeping escapes, short vertical rhizome. It is reproduction mostly vegetative, some by seeds. Studies were conduct on biostation of Kazan university in Tatarstan Republic in 1992-1999 years.

Methods of study

14.05.92 on seven metre plots of average moistening, were planting 1,2,4,9 young particular buttercups creeping. From a may on the September 1992-1993 - crops were weeding. Periodically it was conducted calculations of amount floriferous escapes, flowers, fruits, creeping escapes, vegetative offshoots. At the begin and end of season it was defined coenopopulation density with composition provision. In 1994-1995 crops not were weeding. 30.05.98 on plots 1-6 lands redug, amply have water. Appear shoots plants were weeding, leaving buttercup creeping. Counted an amount of particular and valued a composition an coenopopulation before 20.06.99.

Results

Seasonal rhythm of development of buttercup looks as follows: 1. May-June - period active vegetation, blossoms, fruiting and germination seeds; 2. June-July - shaping the wall-plugs affiliated particular and their an ingrainning, germination seeds; 3. July-August - ingrainning the affiliated bushes, die-off communication creeping escape areas, changing the sheets, germination seeds; 4. August-October - separation affiliated ingrainned bushes, die-off small and weaken particular, germination seeds. To 29.09.92 amount particular is enlarge from 16 before 49 on the plot(tab.1)

Table 1

Amount particular buttercups creeping on experimental plots, exemplar

N plots	14.05.92	29.09.92	18.05.93	29.05.93	27.09.93
1	1	25	4	7	39
2	2	20	39	43	69
3	4	43	27	29	117
4	1	16	56	59	98
5	2	36	38	42	69
6	4	36	29	35	125
7	9	49	105	96	139

Dominated particular vegetative origins (ramet).(tab. 2).

