

Results of assessing the permissible load rate on the total area of pastures in the context of areas determined on the basis of methods of spatial analysis of remote sensing data

№	Name of the area	Natural area	Ecological and geographical (subzone)	Pasture type (predominant)	Duration of pasture period, days	Rate of pasture area per 1 head of farm animals							
						on restored and degraded land, hectare							
						cattle		sheep and goats		horses		camels	
						restored	degraded	restored	degraded	restored	degraded	restored	degraded
1	2	3	4	5	6	7	8	9	10	11	12	13	14
Kyzylorda region													
1	Aral	deserted	northern desert	wormwood-cereal (with tipchak and bluegrass), sulfur-sage, ytsigek and sulfur-sage, teresken complexes; saxaul-salt complexes with ephemeral and shrub-variegated inclusions	230-250	14,9	21,6	3,0	4,3	17,9	25,8	20,9	30,2
2	Shieli		southern desert	sulfur-hodgepodge complexes with ephemeral inclusions; saxaul-hodgepodge and saxaul-hodgepodge complexes with shrub-variegated inclusions	250-270	21,3	30,9	4,3	6,2	25,6	36,9	29,8	43,2
3	Syrdarya			sulfur-hodgepodge complexes with ephemeral and shrub inclusions; saxaul-hodgepodge and saxaul-hodgepodge complexes with shrub-variegated and ephemeral inclusions		19,5	28,3	3,9	5,7	23,4	33,8	27,3	39,6

Continuation of table 1

1	2	3	4	5	6	7	8	9	10	11	12	13	14
4	Karmakshinsk y	deserted	southern desert	wormwood-saltwort and wormwood-sedge complexes; saxaul-saltwort and saxaul-wormwood complexes with shrub-ephemeral inclusions.	250-270	15,6	22,6	3,1	4,5	18,7	27,1	21,8	31,7
5	Kazalinsky			wormwood-saltwort and sedge complexes; saltwort-saxaul complexes, biyurgun and shrub-ephemeral formations		15,1	21,9	3,0	4,4	18,1	26,2	21,1	30,7
6	Zhanakorgans ky			saxaul-ephemeral, wormwood-cereal complexes with saltwort inclusions; saxaul-wormwood-cereal, wormwood-ephemeral-shrub complexes		11,4	16,5	2,3	3,3	13,7	19,8	16,0	23,1
7	Zhalagashsky			saxaul-ephemeral, wormwood-saltwort, saxaul-wormwood complexes		16,0	23,2	3,2	4,6	19,2	27,7	22,4	32,5
Turkestan region													
8	Arys G.A.	deserted	southern desert	saxaul-ephemeral and wormwood-ephemeral-shrub complexes with wormwood and saltwort inclusions	250-290	10,4	15,1	2,1	3,0	12,5	18,0	14,6	21,1
9	Ordabasy			wormwood-ephemeral and wormwood-saltwort complexes with sedge inclusions.		8,5	12,3	1,7	2,5	10,2	14,7	11,9	17,3
10	Otyrar			saxaul-ephemeral and wormwood-ephemeral-shrub complexes		9,9	14,4	2,0	2,9	11,9	17,2	13,9	20,1

Continuation of table 1

1	2	3	4	5	6	7	8	9	10	11	12	13	14
11	Sauran	deserted	southern desert	wormwood-cereal, saxaul-ephemeral, and wormwood-ephemeral-shrub complexes with saltwort and sedge inclusions	250-290	8,3	12,0	1,7	2,4	10,0	14,4	11,6	16,8
12	Suzak			saxaul-ephemeral, wormwood-saltwort, and Karatav-wormwood-ephemeral complexes		12,2	17,7	2,4	3,5	14,6	21,2	17,1	24,8
13	Shardara			saxaul-ephemeral complexes		8,8	12,8	1,8	2,6	10,6	15,3	12,3	17,9
14	Baidibeka	mountain	foothills	wheatgrass-fescue-forb and wormwood-ephemeral complexes	200-210	11,0	16,0	2,2	3,2	13,2	19,1	15,4	22,3
15	Zhetisay			ephemeral-wormwood complexes		11,0	16,0	2,2	3,2	13,2	19,1	15,4	22,3
16	Keles			wormwood-ephemeral complexes with sedge and saltwort inclusions		8,0	11,6	1,6	2,3	9,6	13,9	11,2	16,2
17	Maktaaral			ephemeral-wormwood complexes		8,2	11,9	1,6	2,4	9,8	14,2	11,5	16,6
18	Sairam			wheatgrass-fescue-forb complexes		9,8	14,2	2,0	2,8	11,8	17,0	13,7	19,9
19	Saryagash			wormwood-ephemeral and wheatgrass-fescue-forb complexes		7,8	11,3	1,6	2,3	9,4	13,5	10,9	15,8
20	Kazygurt		mountains	wheatgrass-feather grass-fescue-forb complexes, grass-forb mountain meadow complexes	150-160	8,1	11,7	1,6	2,3	9,7	14,0	11,3	16,4
21	Tole Bi			grass-forb and wheatgrass-fescue-forb complexes		8,8	12,8	1,8	2,6	10,6	15,3	12,3	17,9
22	Tulkibas			wheatgrass-feather grass-fescue-forb complexes, grass-forb mountain meadow complexes		9,7	14,1	1,9	2,8	11,6	16,8	13,6	19,7

Continuation of table 1

1	2	3	4	5	6	7	8	9	10	11	12	13	14
Zhambyl region													
23	Bayzak	deserted	southern desert	shrub-wormwood-ephemeral-grass complexes (with saxaul, kereiuk, biyurgun, and boyalych)	250-270	6,2	9,0	1,2	1,8	7,4	10,8	8,7	12,6
24	Moyynkum			gray wormwood-saltwort and saxaul complexes		6,1	8,8	1,2	1,8	7,3	10,6	8,5	12,4
25	Sarysu			gray wormwood-saltwort and saltwort-saxaul complexes		7,7	11,2	1,5	2,2	9,2	13,4	10,8	15,6
26	Talas			saltwort-saxaul and ephemeral-wormwood complexes		5,9	8,6	1,2	1,7	7,1	10,2	8,3	12,0
27	Shu			grass-wormwood-forb, grass-wormwood-saltwort-forb, and saltwort-saxaul complexes		5,2	7,5	1,0	1,5	6,2	9,0	7,3	10,6
28	Zhambyl	mountain	foothills	wormwood-saltwort-ephemeral and grass-wormwood complexes with saxaul and shrub inclusions	210-240	7,1	10,3	1,4	2,1	8,5	12,3	9,9	14,4
29	Zhualyn			meadow-grass-forb and saltwort-saxaul complexes		3,8	5,5	0,8	1,1	4,6	6,6	5,3	7,7
30	T. Ryskulova			saltwort-saxaul and ephemeral-wormwood complexes		4,5	6,5	0,9	1,3	5,4	7,8	6,3	9,1
31	Kordai			meadow-grass-forb, grass-wormwood, and wormwood-ephemeral complexes		4,3	6,2	0,9	1,2	5,2	7,5	6,0	8,7
32	Merken		mountains	saltwort-saxaul and ephemeral-wormwood-grass complexes	150-170	3,5	5,1	0,7	1,0	4,2	6,1	4,9	7,1

Continuation of table 1

1	2	3	4	5	6	7	8	9	10	11	12	13	14
Almaty region													
33	Zhambyl	deserted	northern desert	wormwood-wheatgrass, wormwood-grass, wheatgrass-feather grass, wheatgrass-xerophytic, wheatgrass-goosefoot, grass-wormwood, saltwort-weed, harmal-wheatgrass complexes	200-210	3,2	4,6	0,6	0,9	3,8	5,5	4,5	6,5
34	Balkhash		southern desert	gray wormwood-grass complexes with wheatgrass and feather grass inclusions, locally with ephemeral forb species; wormwood-izen-teresken complexes with inclusions of rhogach, camel thorn, and adraspan; saltwort-wormwood complexes with inclusions of ruderal species; ephedra-izen-shrub complexes	210-230	8,0	11,6	1,6	2,3	9,6	13,9	11,2	16,2
35	Konaev G.A..	mountain	foothills	wormwood-grass complexes with wheatgrass and ephemeral inclusions; feather grass-wheatgrass complexes with xerophytic inclusions; wormwood-goosefoot and weed-grass complexes with harmal-wheatgrass inclusions	200-210	4,5	6,5	0,9	1,3	5,4	7,8	6,3	9,1
36	Iliy			wormwood-grass complexes with wheatgrass and ephemeral inclusions; feather grass-wheatgrass complexes with xerophytic inclusions; wormwood-goosefoot-ruderal complexes with harmal-wheatgrass inclusions		4,1	5,9	0,8	1,2	4,9	7,1	5,7	8,3
37	Talgar			wormwood-grass complexes with wheatgrass and rye inclusions; sophora-wormwood complexes with fescue-grass inclusions		3,8	5,5	0,8	1,1	4,6	6,6	5,3	7,7

Continuation of table 1

1	2	3	4	5	6	7	8	9	10	11	12	13	14
38	Uyghur	mountain	intermountain	seropolin-saline complexes with inclusions of ephemerals and turf grasses; grass-herb complexes with wormwood and nanophyte inclusions; saxaul complexes with harmal and anabasis inclusions.	190-200	6,9	10,0	1,4	2,0	8,3	12,0	9,7	14,0
39	Enbekshi-Kazakh			seropolin-saline complexes with couch grass (Elymus) and anabasis inclusions; grass-forb meadow complexes with couch grass (Elymus) and Ephedra (Ephedraceae) inclusions.		5,0	7,3	1,0	1,5	6,0	8,7	7,0	10,2
40	Karasai		mountains	manchet-kobrezi complexes with fescue and grass-forb inclusions; feather grass and fescue-grass-forb complexes; wormwood-grass complexes with feather grass, couch grass, and astragalus inclusions.	140-160	1,7	2,5	0,3	0,5	2,0	2,9	2,4	3,5
41	Kegen			wormwood-grass complexes with feather grass and couch grass inclusions; feather grass and fescue-grass-forb complexes with couch grass-Teresken and Ephedra-couch grass inclusions.		5,8	8,4	1,2	1,7	7,0	10,1	8,1	11,8
42	Raiymbek			wormwood-grass complexes with couch grass and sedge inclusions; feather grass and fescue-grass-forb complexes.		6,0	8,7	1,2	1,7	7,2	10,4	8,4	12,2
region of Zhetisu													
43	Sarkan	deserted	northern desert	seropolin and saline-saxaul complexes; grass-wormwood-forb complexes.	210-230	5,4	7,8	1,1	1,6	6,5	9,4	7,6	11,0
44	Karatal		southern desert	saline-saxaul complexes	210-230	6,4	9,3	1,3	1,9	7,7	11,1	9,0	13,0

Continuation of table 1

1	2	3	4	5	6	7	8	9	10	11	12	13	14
45	Koksu			saline-saxaul, ephemeral-wormwood, and wormwood-grass complexes.		7,5	10,9	1,5	2,2	9,0	13,0	10,5	15,2
46	Aksu	mountain	foothills	saline-wormwood-shrub-ephemeral and meadow-grass-forb complexes.	200-210	5,4	7,8	1,1	1,6	6,5	9,4	7,6	11,0
47	Alakol			saline-saxaul and grass-forb complexes.		4,1	5,9	0,8	1,2	4,9	7,1	5,7	8,3
48	Kerbulak	mountain	intermountain	wormwood and seropolin-saline complexes with inclusions of ephemerals and small/turf grasses; meadow grass-forb complexes.	190-200	5,9	8,6	1,2	1,7	7,1	10,2	8,3	12,0
49	Eskeldi		mountains	meadow grass-forb and wormwood-grass-shrub complexes.	140-160	3,8	5,5	0,8	1,1	4,6	6,6	5,3	7,7
50	Panfilov			saline-saxaul, wormwood-grass, and wormwood-sedge-saline complexes; meadow grass-forb complexes.		6,9	10,0	1,4	2,0	8,3	12,0	9,7	14,0