

**Table S1.** Typological and production categories of agriculture soils.

No.	typological and production categories of agriculture soils	Area (ha) within entire districts	percentage (%) of the entire districts	Area (ha) within wood-pasture	percentage (%) of the wood-pasture
1	forest	827883.73	51.0	579.16	28.2
2	areas unsuitable for agroecosystems	15465.23	1.0	60.05	2.9
3	low-yielding permanent grassland	70773.32	4.4	24.35	1.2
4	medium productive permanent grassland	106339.68	6.6	344.37	16.8
5	productive permanent grassland	77352.80	4.8	161.31	7.9
6	low productive fields and productive grasslands	32837.45	2.0	126.75	6.2
7	less productive fields and productive grasslands	58062.74	3.6	134.76	6.6
8	medium production fields and productive grasslands	33023.90	2.0	3.52	0.2
9	low productive arable land	22471.83	1.4	58.75	2.9
10	medium to low productive arable land	84297.50	5.2	269.73	13.2
11	medium productive arable land	105755.92	6.5	214.73	10.5
12	productive arable land	140719.63	8.7	69.78	3.4
13	very productive arable land	34836.62	2.2	–	–
14	highly productive arable land	10423.88	0.6	–	–
15	the most productive soils	52.16	0.0	–	–