

TABLE 12.—Temperature and precipitation of the steppe region in Russia

## AVERAGE TEMPERATURE (° F.)

Station	Latitude north	Longitude east	January	February	March	April	May	June	July	August	September	October	November	December	Annual average
Ulyanovsk <sup>1</sup>	54° 12'	48° 25'	7.3	9.8	20.5	26.7	56.4	63.2	67.9	63.2	51.9	38.7	25.2	12.9	37.0
Samara	53° 10'	50° 10'	7.8	9.3	20.5	40.4	58.0	65.9	70.7	67.2	54.7	40.9	26.3	14.0	39.6
Penza	53° 10'	45° 00'	10.3	11.3	21.2	39.0	56.8	64.3	68.3	65.8	53.0	40.7	26.9	16.5	39.5
Volsk	52° 50'	47° 30'	8.8	11.5	23.0	41.2	59.8	65.5	72.2	67.8	55.9	42.4	27.0	14.0	40.8
Tambov	52° 45'	42° 30'	10.7	14.9	22.4	39.9	57.7	64.8	68.8	65.3	54.2	42.3	28.6	18.0	40.6
Orel	52° 56'	36° 05'	13.7	16.0	24.0	39.1	56.6	63.3	67.9	64.8	54.2	42.7	28.4	18.6	40.8
Saratov	51° 30'	45° 55'	11.5	14.3	23.5	41.2	58.9	67.5	72.0	68.9	57.4	43.2	29.2	17.2	42.1
Voronezh	51° 40'	39° 10'	13.7	16.2	25.5	42.0	57.0	65.1	68.9	65.4	54.6	42.4	28.9	19.1	41.6
Kharkov	49° 58'	36° 11'	16.2	21.6	29.3	44.5	57.9	65.1	69.5	66.8	56.8	45.6	33.1	23.0	44.1
Poltava	49° 36'	34° 35'	17.5	20.3	29.6	44.5	59.3	65.7	69.7	68.7	57.9	46.7	33.0	23.3	44.7
Lugansk	48° 35'	39° 19'	17.1	19.8	30.1	46.7	60.8	68.1	72.8	70.9	59.7	47.1	34.4	23.6	45.9
Average															41.5

## AVERAGE PRECIPITATION (INCHES)

Station	Latitude north	Longitude east	January	February	March	April	May	June	July	August	September	October	November	December	Total annual <sup>1</sup>
Ulyanovsk	54° 12'	48° 25'	0.78	0.56	0.72	0.94	1.39	2.12	2.72	1.88	1.81	1.18	1.04	0.90	16.0
Samara	53° 10'	50° 10'	.91	.70	.67	.95	1.29	1.73	1.89	1.26	1.35	1.17	1.29	.98	14.2
Penza	53° 10'	45° 00'	1.20	1.20	.87	1.23	1.82	2.37	2.39	1.38	1.69	1.37	1.45	1.32	18.3
Volsk	52° 50'	47° 30'	1.58	1.51	1.09	1.44	1.63	1.76	2.09	1.42	1.96	1.68	1.98	1.78	19.9
Tambov	52° 45'	42° 30'	1.18	1.10	1.42	1.28	1.78	2.29	2.09	1.97	1.65	1.79	1.62	1.74	19.9
Orel	52° 56'	36° 05'	1.23	1.13	1.55	1.55	1.88	2.45	3.04	2.29	2.00	1.71	1.32	1.39	21.5
Saratov	51° 30'	45° 55'	.97	.93	.75	1.12	1.17	1.46	1.60	1.20	1.09	1.43	1.38	1.53	14.6
Voronezh	51° 40'	39° 10'	1.49	1.29	1.41	1.52	1.90	2.62	1.97	1.97	1.68	1.61	1.65	1.83	20.9
Kharkov	49° 58'	36° 11'	1.17	1.33	1.42	1.35	1.67	2.47	2.55	1.89	1.41	1.40	1.19	1.44	19.3
Poltava	49° 36'	34° 35'	.82	1.00	1.32	1.45	1.86	2.71	2.31	1.93	1.70	1.86	1.28	1.46	19.7
Lugansk	48° 35'	39° 19'	.83	.74	.94	1.13	1.76	2.02	1.95	1.38	1.11	1.15	1.24	1.06	15.3
Average															18.1

<sup>1</sup> No data are available on length of period upon which observations are based. It is probably safe to assume the data are averages for a period of at least 10 years, and probably longer.