

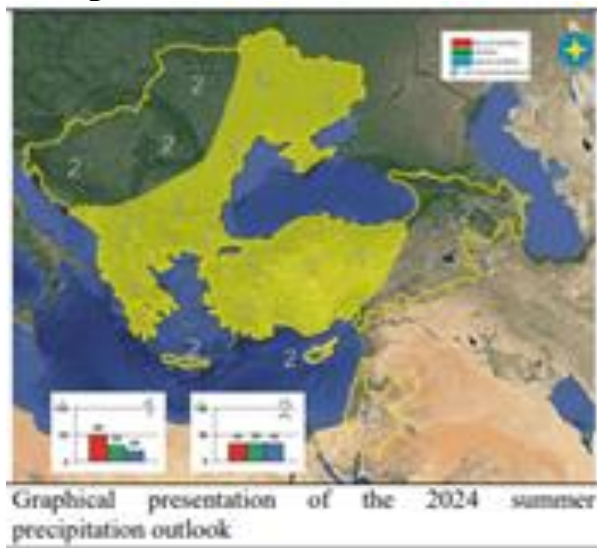
Summer 2024			Air Temperature (°C) 1991-2020 base period				
synop		Station	Rank	33	50	66	Observed
1	33526	Ivano-Frankivsk	1	18,4	18,9	19,1	21,0
2	33889	Izmail	1	22,5	22,9	23,0	25,4
3	33415	Izyum	2	20,8	21,3	21,6	23,5
4	33998	Ai-Petri	1	15,4	16,0	16,3	18,4
5	33464	Bila Cerkva	2	19,0	19,8	20,2	22,0
6	33446	Bilopilla	2	18,7	19,4	19,8	21,7
7	33354	Baryshyvka	2	19,1	19,6	20,1	21,9
8	33717	Bobryniec	1	21,0	21,5	21,7	24,4
9	33297	Brody	1	18,4	18,7	19,2	20,7
10	33862	V.Oleksandrivka	1	22,0	22,5	23,0	25,5
11	33562	Vinnytsa	1	18,6	19,2	19,7	22,3
12	33777	Voznesensk	1	22,1	22,6	22,8	25,5
13	33376	Hadyach	2	20,0	20,3	20,8	23,0
14	33577	Haisyn	1	19,4	20,2	20,4	22,7
15	34407	Hybinyha	2	21,2	21,6	21,8	23,8
16	34504	Dnipro	1	21,7	22,1	22,2	24,8
17	33524	Dolyna	1	17,8	18,1	18,5	20,1
18	33325	Zhytomyr	1	18,8	19,3	19,8	22,0
19	333312	Zviahel	1	18,4	19,1	19,6	21,3
20	33484	Zolotonosha	2	20,2	20,7	21,1	23,3
21	34208	Zolochiv	3	19,7	20,3	20,6	22,3
22	33548	Kamyanec-Podilskiy	1	19,2	19,7	20,2	22,2
23	33983	Kerch	1	22,6	23,1	23,6	25,3
24	33345	Kyiv	2	19,6	20,6	20,8	23,0
25	33621	Kobeliaky	2	21,1	21,4	21,8	23,8
26	33173	Kovel	1	18,5	18,8	19,3	20,9
27	33261	Konotop	2	19,5	19,8	20,3	22,2
28	33215	Korosten	2	18,5	19,0	19,5	20,8
29	33299	Kremenec	1	18,5	18,8	19,3	20,9
30	33791	Kryvyi Rih	1	21,0	21,8	22,0	25,3
31	33711	Kropyvnytskyi	1	20,3	20,8	21,1	24,4
32	34409	Lozova	2	20,9	21,4	21,7	23,9
33	33377	Lubny	2	20,0	20,6	21,0	22,7
34	33187	Lutck	1	18,6	18,8	19,4	21,3

35	33393	Lviv	1	18,0	18,2	18,7	20,5
36	33761	Liybashivka	1	20,5	21,0	21,3	23,5
37	33075	Lubeshiv	1	18,3	18,8	19,2	20,6
38	33663	Mohyliv-Podilskyi	1	20,1	20,6	21,1	23,8
39	33846	Mykolaiv	1	22,5	22,8	23,0	25,9
40	33557	Nova Ushytsa	1	19,0	19,4	19,8	22,1
41	33246	Nizhyn	2	19,1	19,5	19,9	21,8
42	33837	Odesa	1	21,9	22,6	22,9	25,0
43	33203	Olevsk	2	18,1	18,7	19,2	20,6
44	33699	Pervomaisk	1	21,0	21,9	22,2	24,5
45	33515	*Play	1	12,2	12,7	13,1	15,5
46	33646	Pozhezhevska	1	12,1	12,6	12,9	15,4
47	33506	Poltava	2	20,6	20,9	21,2	23,4
48	33301	Rivne	1	18,4	18,7	19,3	20,7
49	33287	Rava-Ryska	1	18,1	18,4	18,9	20,7
50	33647	Rahiv	1	17,7	18,1	18,6	20,1
51	33268	Romny	2	19,3	19,8	20,2	22,1
52	33946	Simferopol	2	21,6	22,1	22,5	24,9
53	33896	Sarata	1	22,0	22,2	22,6	24,3
54	33088	Sarny	2	18,5	19,1	19,6	20,7
55	33614	Svitlovodsk	2	21,3	21,6	22,0	24,3
56	33067	Svityaz	1	18,7	19,0	19,3	21,0
57	33657	Selyatyn	1	15,2	15,7	16,0	17,7
58	33049	Semenivka	2	18,4	18,8	19,2	20,8
59	33833	Serbka	1	21,8	22,3	22,6	24,8
60	33516	Slavsko	1	15,5	15,9	16,4	18,2
61	33593	Smila	1	20,0	20,6	20,8	23,2
62	33136	Snovsk	3	18,9	19,4	19,7	21,3
63	33275	Symy	2	19,4	19,6	20,1	23,0
64	33415	Ternopil	1	18,1	18,4	18,9	21,7
65	33228	Teteriv	2	18,9	19,8	20,1	21,8
66	33511	Tyrka	2	15,8	16,1	16,5	18,1
67	33631	Uzhhorod	1	20,2	20,6	20,9	22,4
68	33587	Uman	1	19,4	20,1	20,4	22,9
69	34300	Kharkiv	2	20,6	21,3	21,5	23,9

70	33902	Kherson	1	22,3	22,8	23,4	25,9
71	33429	Khmelnitskiy	1	18,2	18,6	19,2	21,0
72	33638	Khyst	1	19,9	20,4	20,8	22,4
73	33658	Chernivci	1	19,4	19,7	20,0	22,5
74	33135	Chernihiv	3	19,0	19,5	20,0	21,3
75	33924	Chornomorske	1	22,2	22,5	22,9	24,8
76	33536	Chortkiv	1	18,7	19,0	19,3	21,6
77	33317	Shepetivka	1	18,3	18,6	19,2	20,8
78	33392	Yavoriv	1	18,4	18,7	19,1	20,8
79	33356	Yahotyn	2	19,6	20,4	20,7	22,5
80	33645	Yaremche	1	16,7	17,3	17,5	19,5

Rank – 1961-2024 (warmest season), *Play – rank 1981-2024

Precipitation

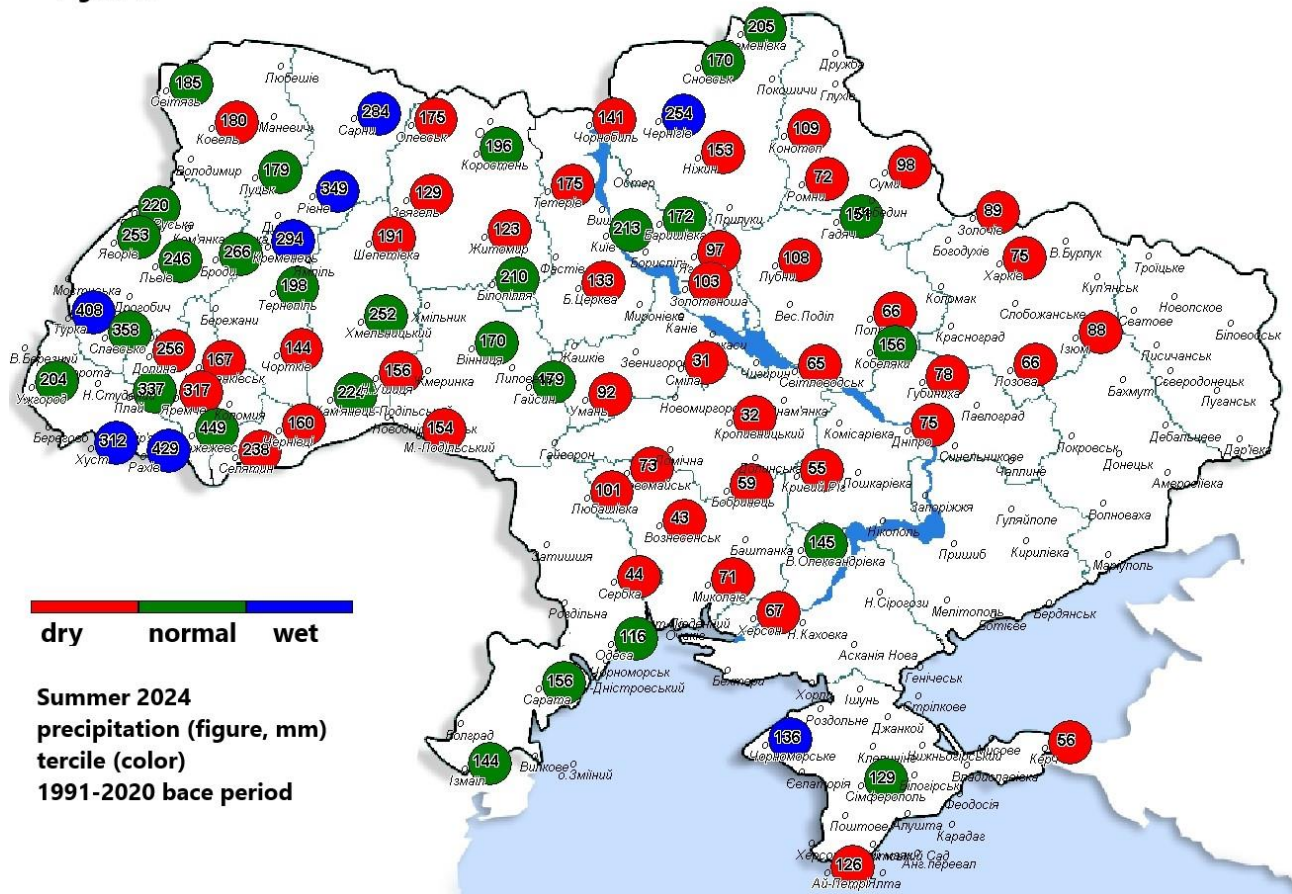


The SEECOF-31 climate outlook indicated dry conditions (50% probability) for the entire territory and approximately equal probabilities for below-, near- or above normal precipitation for the western part of Ukraine.

Monitoring of precipitation showed unequal distribution dry, normal and wet summer conditions across the country. In the western part were dominated normal and wet conditions with separate dry places, in the rest of the territory of Ukraine were prevailed dry conditions, with separate normal and wet places based on the tercile method 1991–2020 climatological period (Figure 2).

Verification showed that outlook was more-less correct for the territory of Ukraine.

Figure 2.



Note: Tercile analysis of meteorological elements was performed on the basis of the data obtained from 80 meteorological stations.

Summer 2024			Precipitation (mm) 1991-2020 base period				
synop	Station	Rank	33	50	66	Observed	
1	33526	Ivano-Frankivsk	11	194	230	273	167
2	33889	Izmail	39	114	125	147	144
3	33415	Izium	8	100	150	165	88
4	33998	Ai-Petri	15	134	154	211	126
5	33464	Bila Cerkva	10	155	189	218	133
6	33446	Bilopilla	26	175	198	222	210
7	33354	Baryshyvka	25	152	190	224	172
8	33717	Bobryniec	2	141	176	190	59
9	33297	Brody	37	201	232	288	266
10	33862	V.Oleksandrivka	32	124	142	170	145
11	33562	Vinnytsa	15	169	205	227	170
12	33777	Voznesensk	1	135	157	182	43
13	33376	Hadyach	17	148	171	174	151
14	33577	Haisyn	21	161	183	211	179
15	34407	Hybnyha	4	136	160	172	78

16	34504	Dnipro	4	130	143	162	75
17	33524	Dolyna	9	286	350	382	256
19	33325	Zhytomyr	7	170	224	251	123
20	333312	Zviahel	4	184	226	244	129
21	33484	Zolotonosha	4	165	178	195	103
22	34208	Zolochiv	5	141	167	195	89
23	33548	Kamyianec-Podilskiy	28	221	236	273	224
24	33983	Kerch	6	85	100	124	56
25	33345	Kyiv	32	172	201	221	213
26	33621	Kobeliaky	35	113	145	166	156
27	33173	Kovel	13	188	222	268	180
28	33261	Konotop	3	159	169	189	109
29	33215	Korosten	23	165	200	216	196
30	33299	Kremenec	42	213	233	280	294
31	33791	Kryvyi Rih	1	122	139	151	55
32	33711	Kropyvnytskyi	1	130	150	178	32
33	34409	Lozova	2	114	138	177	66
34	33377	Lubny	5	164	184	206	108
35	33187	Lutck	23	178	211	245	179
36	33393	Lviv	23	211	246	281	246
37	33761	Liybashivka	4	136	159	192	101
38	33075	Lubeshiv	16	176	226	274	243
39	33663	Mohyliv-Podilskiy	15	160	198	237	154
40	33846	Mykolaiv	6	99	108	118	71
41	33557	Nova Ushytsa	9	180	220	280	156
42	33246	Nizhyn	15	157	201	222	153
43	33837	Odesa	28	103	133	143	116
44	33203	Olevsk	11	195	217	259	175
45	33699	Pervomaisk	2	142	169	201	73
46	33515	*Play	16	301	393	442	337
47	33646	Pozhezhevska	26	391	448	466	449
48	33506	Poltava	2	146	166	186	66
49	33301	Rivne	63(2)	186	230	252	349
50	33287	Rava-Ryska	22	215	228	266	220
51	33647	Rahiv	51	278	307	338	429

52	33268	Romny	1	158	181	199	72
53	33946	Simferopol	27	99	122	137	129
54	33896	Sarata	33	124	146	166	156
55	33088	Sarny	47	202	218	275	284
56	33614	Svitlovodsk	4	143	164	203	65
57	33067	Svityaz	25	181	206	231	185
58	33657	Selyatyn	4	289	320	415	238
59	33049	Semenivka	30	167	182	221	205
60	33833	Serbka	1	126	142	165	44
61	33516	Slavske	29	282	366	419	358
62	33593	Smila	1	154	163	195	31
63	33136	Snovsk	19	150	177	214	170
64	33275	Symy	2	150	169	193	98
65	33415	Ternopil	23	167	211	254	198
66	33228	Teteriv	16	196	224	270	175
67	33511	Tyrka	43	315	351	396	408
68	33631	Uzhhorod	30	168	204	228	204
69	33587	Uman	1	142	180	221	92
70	34300	Kharkiv	2	123	144	174	75
71	33902	Kherson	6	97	109	127	67
72	33429	Khmelnitskiy	33	220	240	254	252
73	33638	Khyst	39	230	254	310	312
74	33658	Chernivci	8	207	242	271	160
75	33135	Chernihiv	5	155	176	196	254
76	33924	Chornomorske	45	53	67	79	136
77	33536	Chortkiv	3	205	233	264	144
78	33317	Shepetivka	13	211	231	266	191
79	33392	Yavoriv	32	229	245	279	253
80	33356	Yahotyn	4	154	179	213	97
81	33645	Yaremche	15	358	400	485	317

Rank – 1961-2024 (dryest season), *Play – rank 1981-2024

Assessment of the SEECOF-31 Climate outlook for summer 2024

Country	Seasonal Temperature (JJA)		Seasonal Precipitation (JJA)		High impact Events
	Observed	SEECOF-31 climate outlook	Observed	SEECOF-31 climate outlook	
Ukraine	above normal	above normal	<p>above normal (10% stations)</p> <p>normal (35% stations)</p> <p>below normal (55% stations)</p>	<p>above normal 20</p> <p>normal 30</p> <p>below normal 50</p>	<p>During summer meteorological extraordinary phenomenas were observed in many regions of the country.</p> <p>In June Heavy rains 30-98mm/4-9h were recorded in Zakarpattia, Ivano-Frankivsk, Lviv, Vinnytsa, Kyiv regions. In Vylkovo (Odesa region) was recoded heavy shower 82 mm/1h. 14/06/24.</p> <p>In July Storm squalls (with speed 25-28 m/c) were fixed in Kherson and Odesa regions. Heavy rains 30-65mm/2-9h were recorded in Lviv, Zakarpattia, Ivano-Frankivsk regions, heavy showers 30-38 mm/1h were in Chernihiv and Kyiv regions.</p> <p>In August heavy rains 30-71mm/6-12h were recorded in western part of the country, also in Chernihiv and Odesa regions.</p> <p>Localy caused loss power, telecommunications, utilities and transport.</p> <p>The summer 2024 was one of the hottest since 1961, and in many regions it was the warmest on record.</p> <p>The summer was dry in most regions, except for the west of the country. In the eastern, central and southern parts of the country, August was the driest month, when the amount of precipitation was from 2 to 19% of the norm.</p>