Issued: 16 June 2025

JRC MARS Bulletin – Global outlook
Ukraine, June 2025

European Commission

JRC MARS Bulletin - Global outlook

Crop monitoring European neighbourhood Ukraine

June 2025

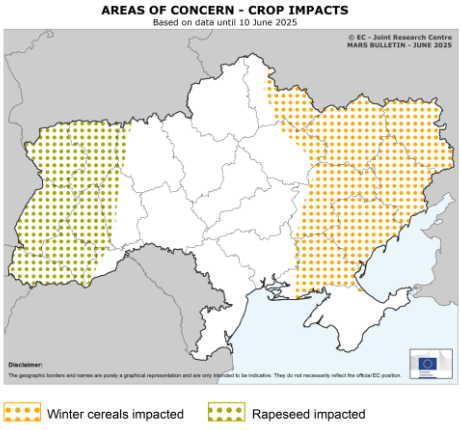
Average yield outlook for winter crops, despite strong rainfall deficit in the east

Persistent drier-than-usual weather negatively affected winter cereals in the east, while two cold spells during late spring reduced the yield potential of rapeseed in the west. Elsewhere, predominantly seasonal conditions helped to maintain winter crop yields above the five-year average. Based on remote-sensing-derived area estimates and observed crop conditions, the production outlook for winter cereals is below the five-year average. In contrast, rapeseed production is expected to increase, driven by an expansion in sown area.

A rainfall deficit persisted in the eastern and northernmost oblasts during most of the cropping season, negatively affecting winter cereals. In the western oblasts, late cold spells in spring compromised the flowering and early pod filling of rapeseed. Nonetheless, timely rainfall and below-average temperatures in May were beneficial for the final development stages of winter crops, further supported by a positive weather forecast until the end of June.

Production forecasts for all winter crops and spring barley are slightly below the five-year average with considerable interregional variability. Field abandonment remains evident, particularly in areas close to the front line of the war. However, Sentinel-2 analysis indicates a relatively stable area of winter cereals in the government-controlled areas along with a notable increase in rapeseed area, particularly in the southern oblasts.

The sowing campaign of summer crops is nearing completion, with a reduction observed in the sown area of grain maize and sunflowers, while the soybean area has increased. Early crop development is reported to be fair, with a good water supply in the western regions, but at risk in the east due to the persistent rainfall deficit. Yield forecasts for summer crops are still in line with the five-year average.



Yield forecasts for Ukraine - 16 June 2025 Bulletin

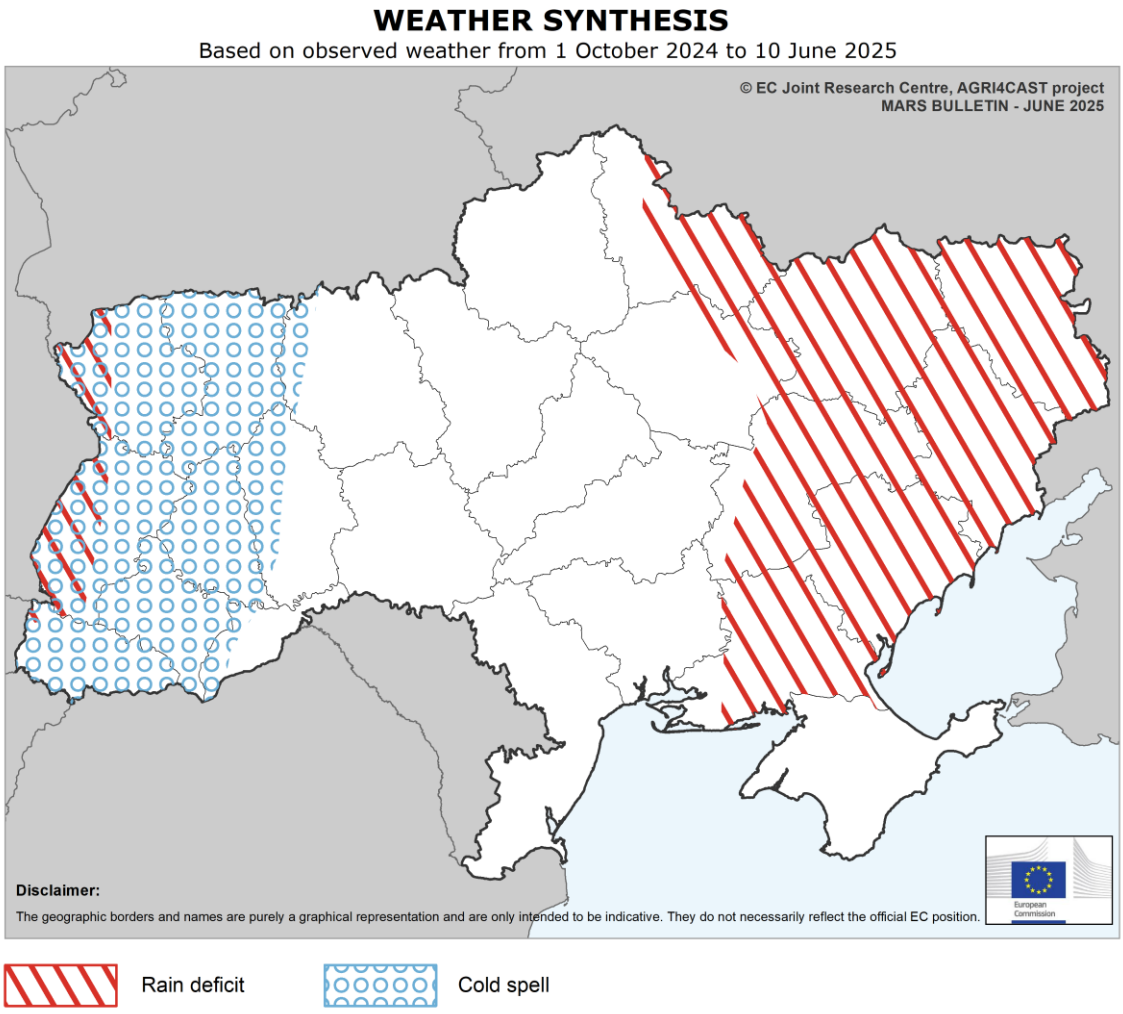
Crop	Area (x 1000 ha)					Yield (t/ha)					Production (x 1000 t)				
	Avg 5yrs	2024	2025	%25/5yrs	%25/24	Avg 5yrs	2024	MARS 2025 forecasts	%25/5yrs	%25/24	Avg 5yrs	2024	2025	%25/5yrs	%25/24
Wheat	6 308	5 317	**5 786**	– 8	+ 9	4.22	4.43	**4.28**	+ 1	– 3	26 573	23 546	**24 769**	– 7	+ 5
Barley	2 059	1 577	**1 519**	– 26	– 4	3.51	3.68	**3.49**	– 0	– 5	7 223	5 802	**5 305**	– 27	– 9
Winter barley	880	647	**738**	– 16	+ 14	3.83	4.20	**3.80**	– 1	– 10	3 367	2 717	**2 804**	– 17	+ 3
Spring barley	1 179	930	**782**	– 34	– 16	3.27	3.32	**3.20**	– 2	– 3	3 856	3 085	**2 502**	– 35	– 19
Grain maize	4 663	4 160	**4 145**	– 11	– 0	6.77	6.53	**6.84**	+ 1	+ 5	31 572	27 156	**28 339**	– 10	+ 4
Sunflower	6 116	5 772	**5 801**	– 5	+ 1	2.23	2.11	**2.22**	– 0	+ 5	13 664	12 180	**12 866**	– 6	+ 6
Soybean	1 802	2 795	**3 003**	+ 67	+ 7	2.42	2.43	**2.41**	– 0	– 1	4 353	6 779	**7 225**	+ 66	+ 7
Rapeseed	1 264	1 279	**1 437**	+ 14	+ 12	2.76	2.86	**2.72**	– 2	– 5	3 474	3 663	**3 904**	+ 12	+ 7

Joint Research Centre

Weather Review

Drier-than-usual conditions, with cumulative rainfall only 50 % of the long-term average (LTA) or less, characterised the east of the country and parts of the westernmost oblasts during most of the crop season, while in other western and central regions winter and late spring precipitation provided a fair water supply. Drier-than-usual conditions are forecast until late June, except in the north.

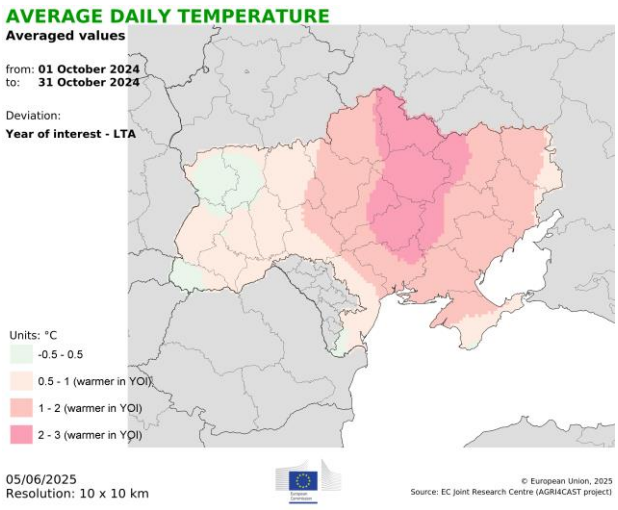
Most of Ukraine experienced a warmer-than-usual winter and early spring, especially in December to January and in March. Whereas February was characterised by colder-than-usual temperatures in all regions, pronounced cold spells occurred in the western oblasts in early April and the first half of May. In early June, temperatures increased to above average across the country, while until late June slightly colder-than-usual temperatures are forecast.

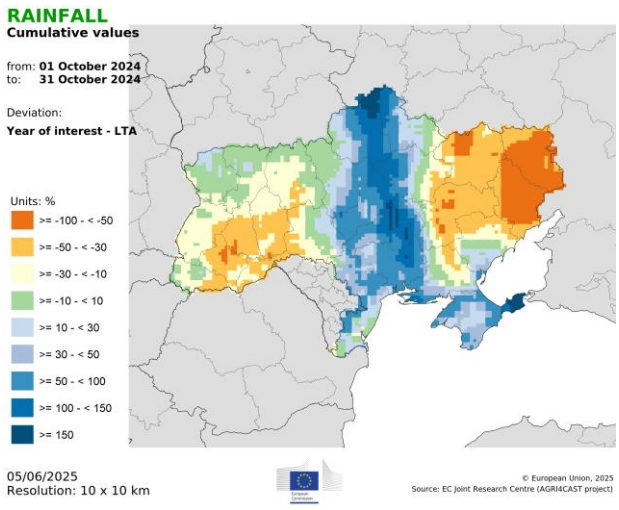


1.1. Autumn/winter (October 2024 to February 2025)

October

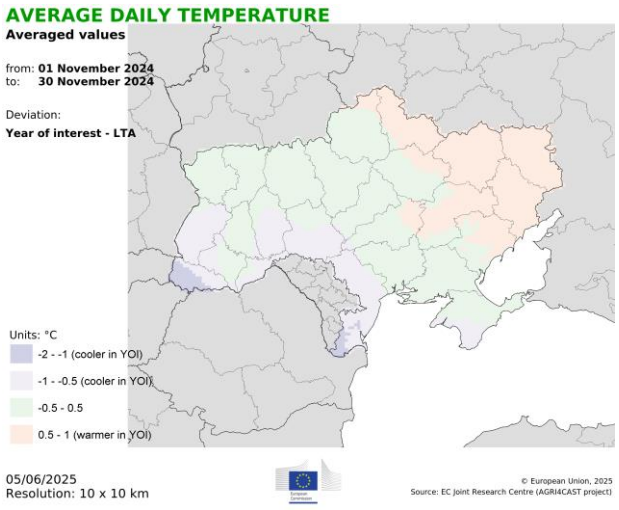
- Warmer-than-usual conditions, with average daily temperatures between 0.5 °C and 2 °C above the LTA in most regions and up to 3 °C above the LTA in central and northern oblasts (*Sums'ka*, western *Kharkivs'ka*, *Poltavs'ka*, eastern *Cherkas'ka*, most of *Kirovohrads'ka*, western *Dnipropetrovs'ka* and northern *Mykolayivs'ka*).
- Significantly wetter than usual in central and southern regions, including *Odes'ka* and southern *Zaporiz'ka*, with rainfall totals between 100 % and 150 % (locally more) above the LTA. Drier than usual in eastern regions (*Luhans'ka*, *Donets'ka*), with cumulative rainfall only 50 % of the LTA or less.

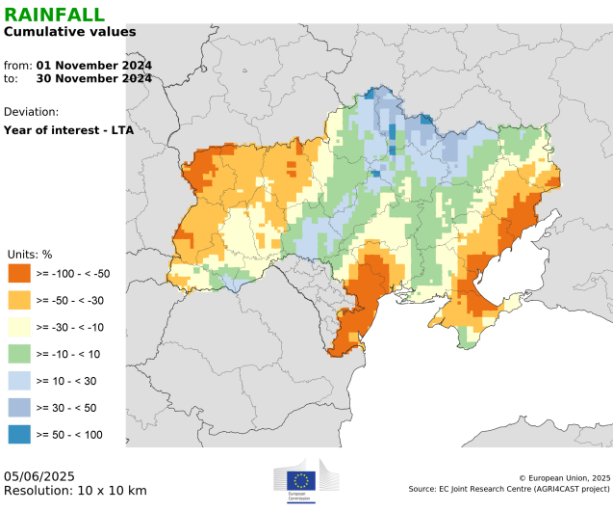




November

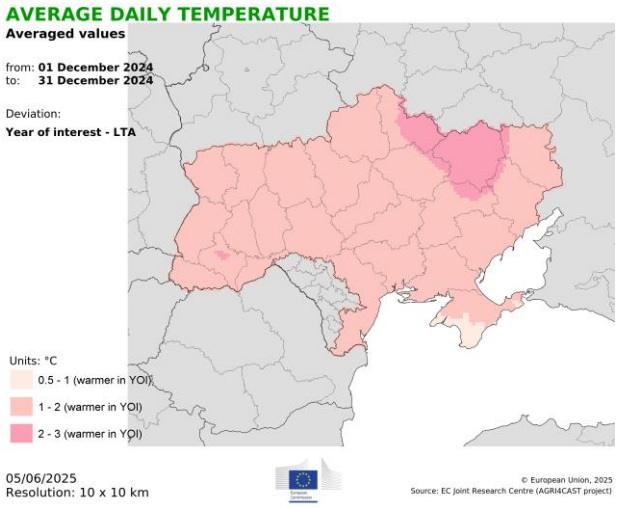
- Near-normal temperatures in most of the country; slightly colder than usual (1–2 °C below the LTA) in the west (most of *Zakarpats'ka*) and south (*Odes'ka*).
- Wetter than usual in the north, with cumulative rainfall between 50 % and 100 % above the LTA, mainly in *Sums'ka*. Drier than usual in the west (*L'vivs'ka*, *Volyns'ka*), south (*Odes'ka*, parts of *Mykolayivs'ka*) and east (*Zaporiz'ka*, *Donets'ka*), with less than 50 % of the LTA.

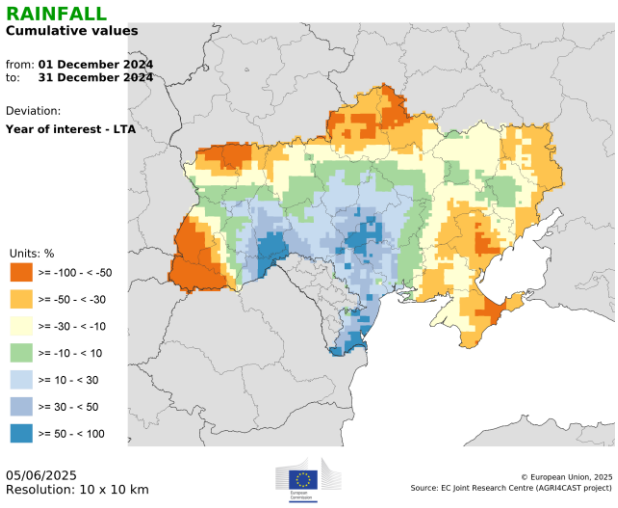




December

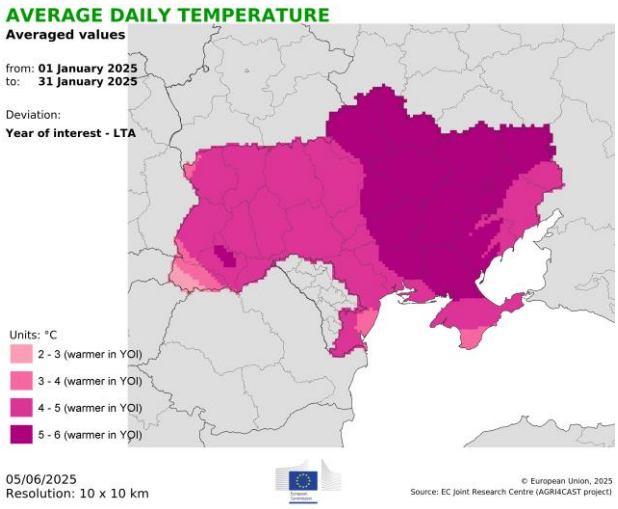
- Warmer-than-usual conditions, with average daily temperatures between 0.5 °C and 2 °C above the LTA in most of Ukraine, and between 2 °C and 3 °C above the LTA in eastern *Sums'ka*, *Kharkivs'ka* and neighbouring regions.
- Wetter than usual, with cumulative precipitation between 50 % and 100 % above the LTA, in parts of *Odes'ka*, north-western *Mykolayivs'ka* and western *Kirovhrads'ka*, and locally in *Cherkas'ka* and in the south (*Khmel'nyts'ka*) and east (*Chernivets'ka*). Drier than usual, with rainfall totalling 50 % of the LTA or less in the westernmost oblasts, the north and north-east, and parts of the south-east.

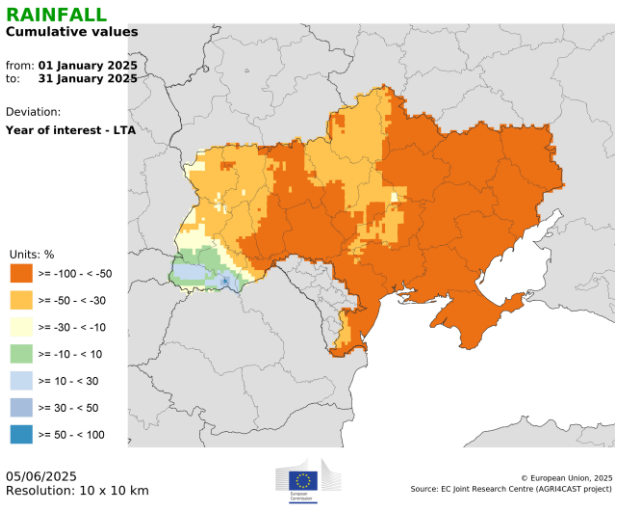




January

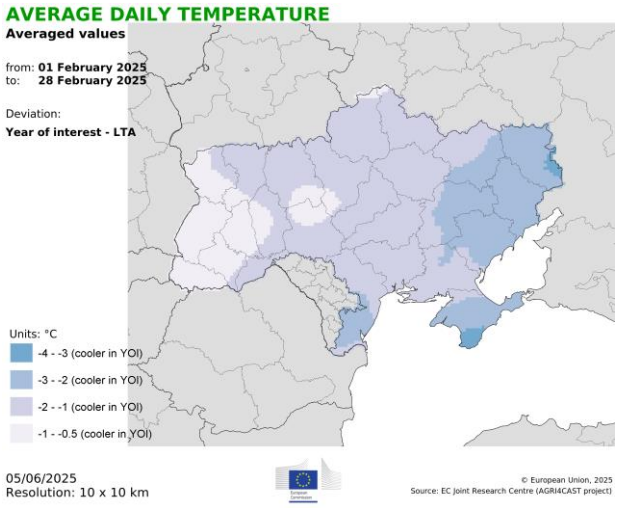
- Considerably warmer-than-usual conditions, with average daily temperatures between 4 °C and 5 °C above the LTA in most of the west and up to 6 °C above the LTA in the east.
- Significantly drier than usual, with hardly any rainfall in most of Ukraine.

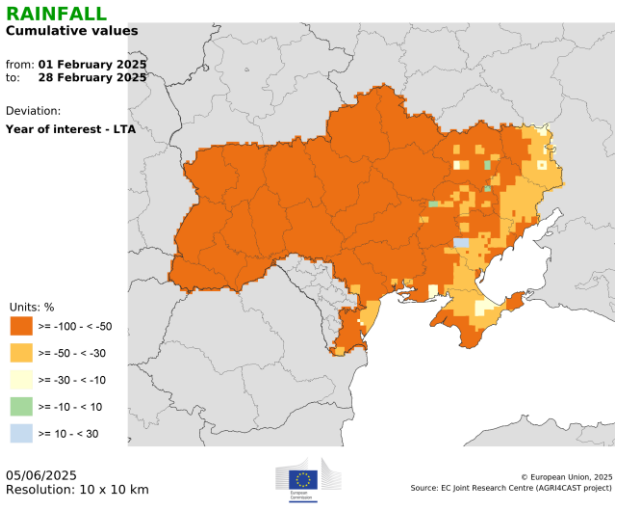




February

- Colder-than-usual conditions, with average daily temperatures up to 2 °C below the LTA in most of Ukraine and up to 4 °C below the LTA in parts of southern oblasts (*Odeks'ka*, *Krym*) and in the east.
- Persistently drier-than-usual conditions in almost all regions, with a rainfall deficit up to 100 % of the LTA.

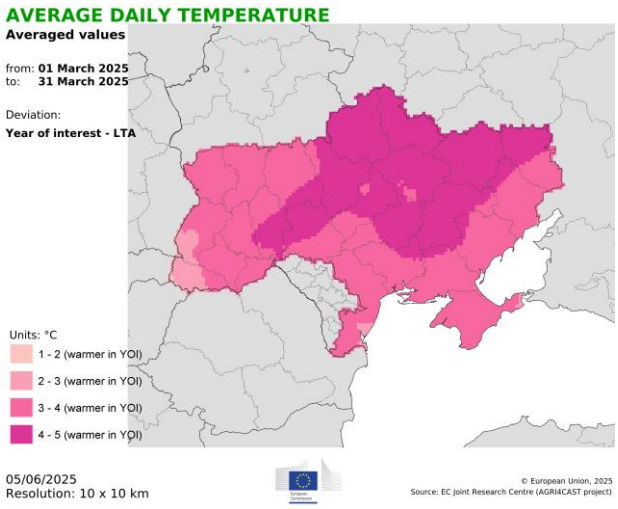


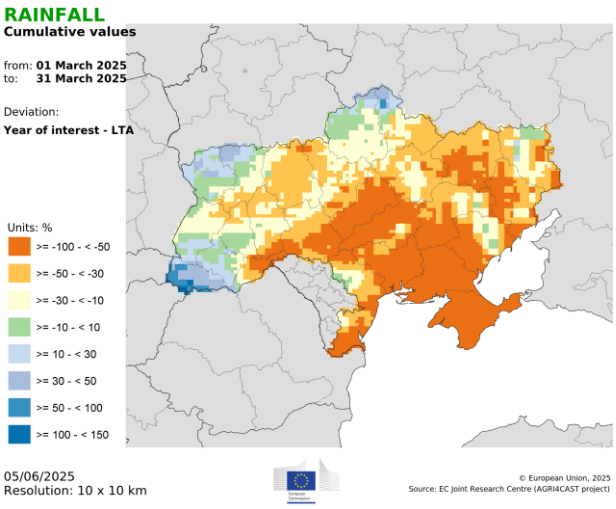


1.2. Spring (1 March to 10 June 2025)

March

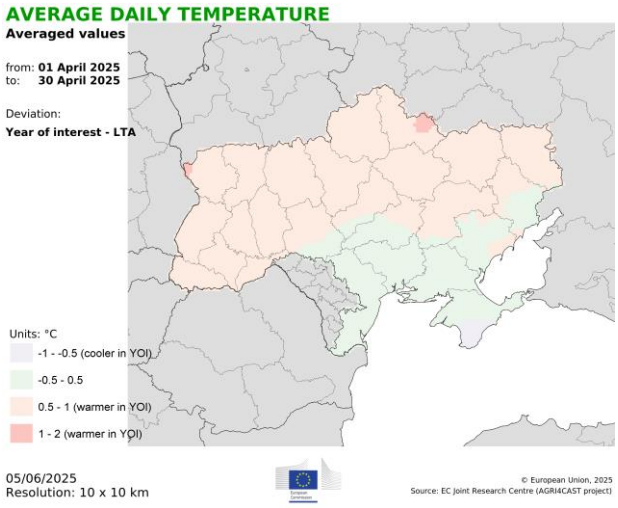
- Warmer-than-usual conditions, with average daily temperatures between 2 °C and 4 °C above the LTA in the west, south and east, and up to 5 °C above the LTA in central, northern and north-eastern regions.
- Drier-than-usual conditions in most central, southern and eastern regions, with rainfall up to 100 % below the LTA; wetter than usual in the west (*Zakarpats'ka*) and locally in northernmost regions (northern *Sums'ka*).

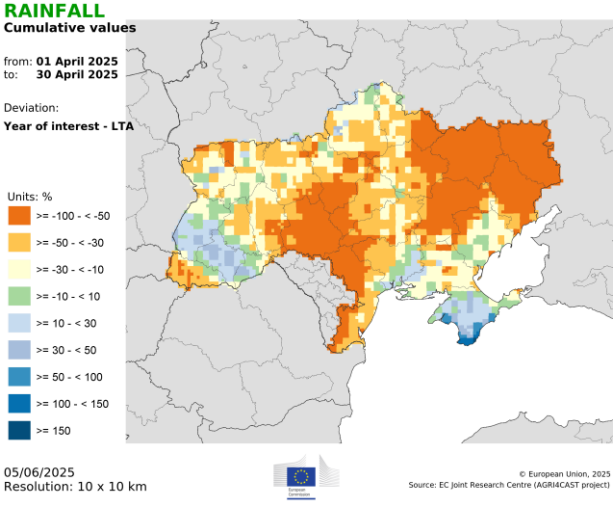




April

- Slightly warmer than usual, with average daily temperatures between 0.5 °C and 1 °C (locally up to 2 °C) above the LTA in most of Ukraine; near-normal temperatures in central southern regions and south-eastern regions. Cold spells, between 7 and 10 days (up to 20 days in the Carpathian) with minimum daily temperatures below zero, occurred in most western regions and the north (parts of *Chernihivs'ka* and *Sums'ka* and parts of *Kharkivs'ka* and *Luhans'ka*).
- Drier than usual, with a rainfall deficit up to 100 % of the LTA in the north-east and central south, and up to 50 % in the remaining central and western regions; slightly wetter than usual only in the south-west and most of *Krym*, where cumulative rainfall exceeded the LTA by up to 150 %.

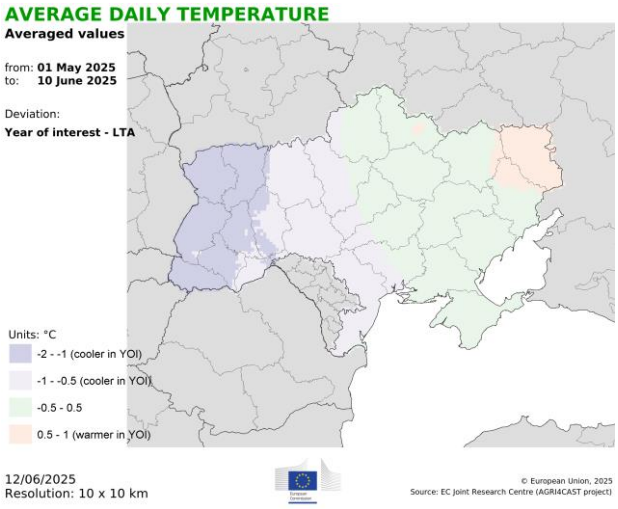


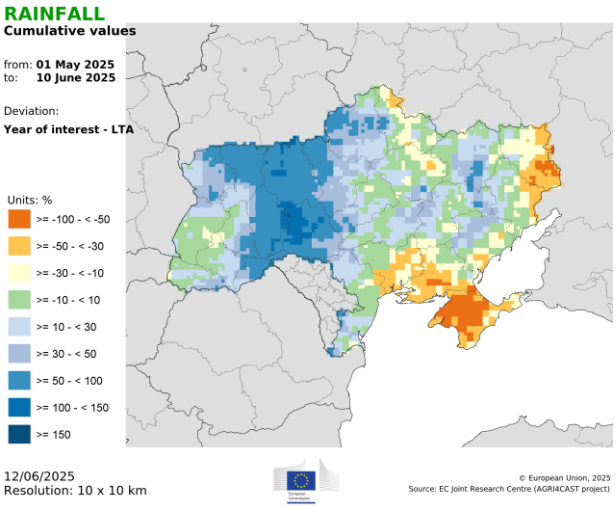


May to 10 June

- Colder than usual in the west, with average daily temperatures between 0.5 °C and 2 °C below the LTA; near-seasonal temperatures in the east; and slightly warmer than usual in *Luhans'ka*, easternmost *Kharkivs'ka* and northern *Donets'ka*. A cold spell with freezing temperatures occurred in the first half of May in the agricultural areas of the Carpathian region (*Zakarpats'ka*, *Ivano-frankivs'ka*, southern *L'vivs'ka*), in *Rivnens'ka* and the neighbouring oblasts.

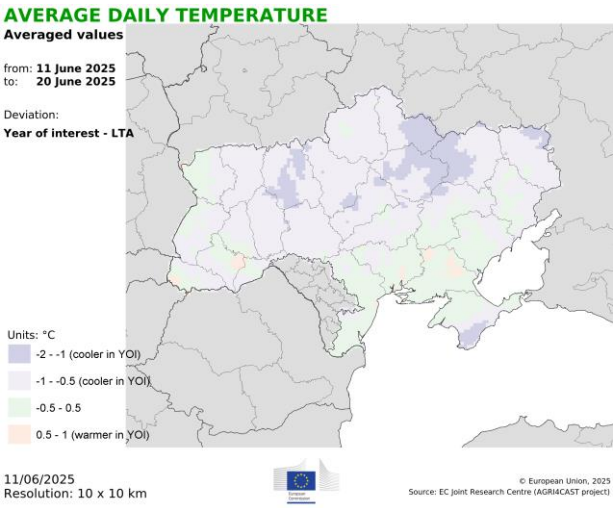
- In contrast to previous months, cumulative rainfall from May to early June was up to 150 % above the LTA, particularly in western regions (e.g. *Vinnyts'ka* and parts of *Zhytomyrs'ka* and *Khmel'nyts'ka*). Drier-than-usual conditions prevailed in the south (*Krym*, parts of *Khersons'ka*) and the north-east (*Luhans'ka*), with rainfall deficits around 50 % (up to 100 % in *Krym*) of the LTA.

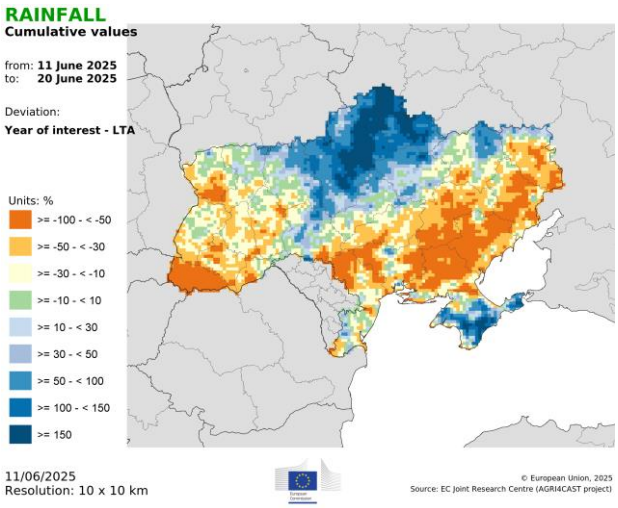


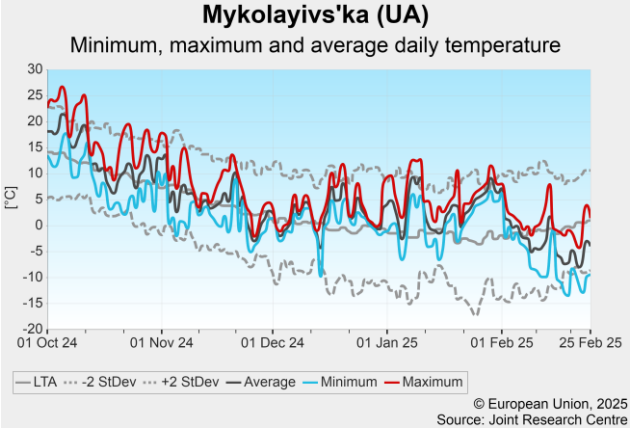


1.3. Weather forecast (11–20 June)

- Slightly colder-than-usual conditions are forecast for most of Ukraine, with average daily temperatures between 0.5 °C and 1 °C below the LTA; up to 2 °C below the LTA for part of regions in the north (mainly *Zhytomyrs'ka*, parts of *Sums'ka*, *Poltavs'ka* and *Kharkivs'ka*, and southern *Krym*). Near-normal temperatures are forecast in the southern oblasts and parts of western oblasts.
- Wetter-than-usual conditions are forecast in the northern and north-eastern oblasts, and in *Krym*, with cumulative rainfall up to 150 % above the LTA. Drier-than-usual conditions are forecast in the west, most of the south and the east, with rainfall deficits up to 100 % of the LTA.






Mykolayivs'ka (UA)
Minimum, maximum and average daily temperature
[°C]
01 Oct 24
01 Nov 24
01 Dec 24
01 Jan 25
01 Feb 25
25 Feb 25
LTA -2 StDev +2 StDev Average Minimum Maximum
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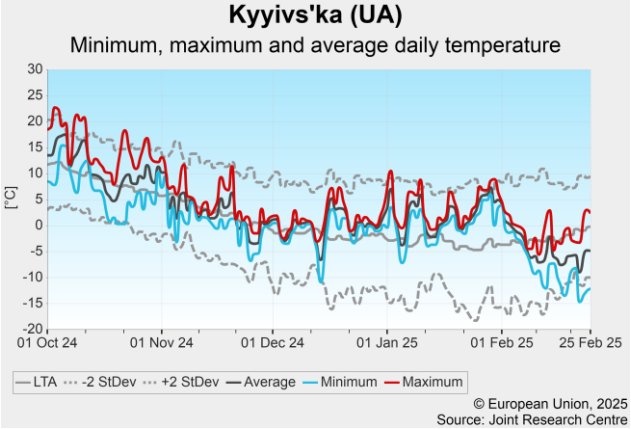
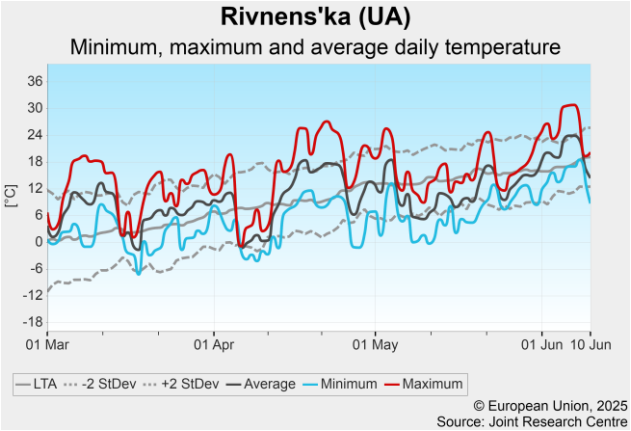
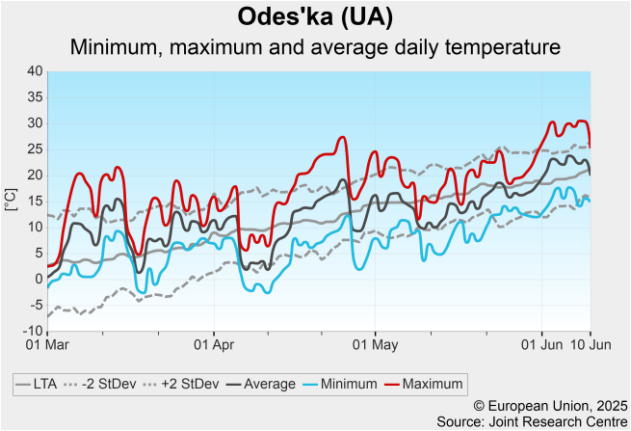
Source: Joint Research Centre


Kyyivs'ka (UA)
Minimum, maximum and average daily temperature
[°C]
01 Oct 24
01 Nov 24
01 Dec 24
01 Jan 25
01 Feb 25
25 Feb 25
LTA -2 StDev +2 StDev Average Minimum Maximum
© European Union, 2025
Source: Joint Research Centre


Rivnens'ka (UA)
Minimum, maximum and average daily temperature
[°C]
01 Mar
01 Apr
01 May
01 Jun
10 Jun
LTA -2 StDev +2 StDev Average Minimum Maximum
© European Union, 2025
Source: Joint Research Centre


Odes'ka (UA)
Minimum, maximum and average daily temperature
[°C]
01 Mar
01 Apr
01 May
01 Jun
10 Jun
LTA -2 StDev +2 StDev Average Minimum Maximum
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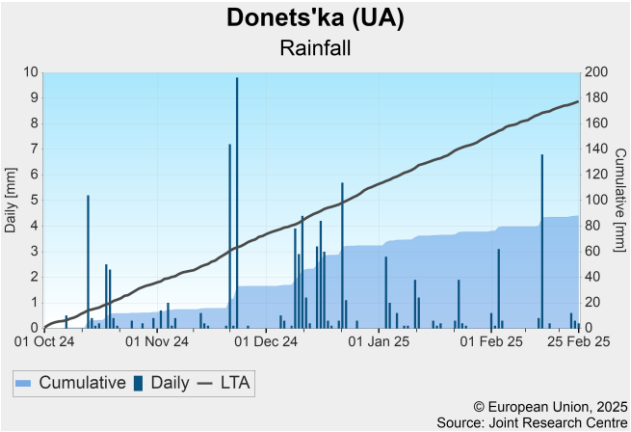
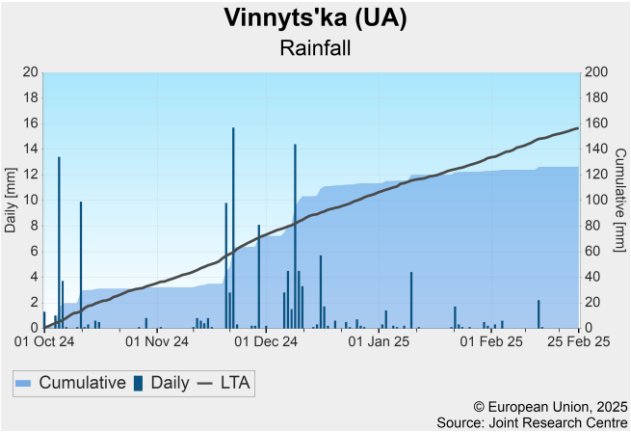
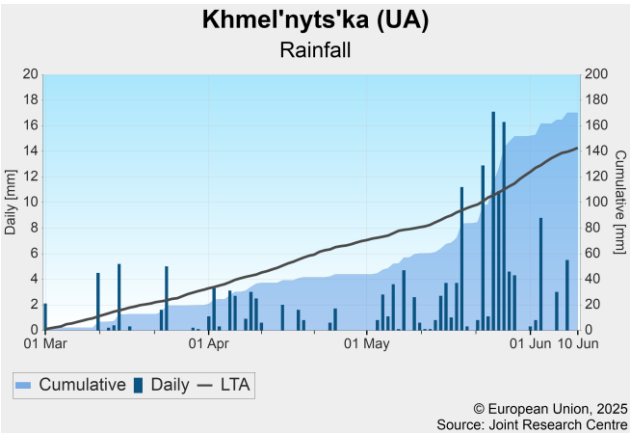
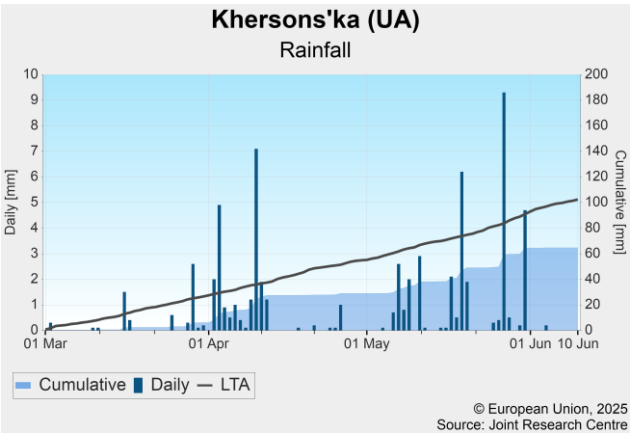
Source: Joint Research Centre

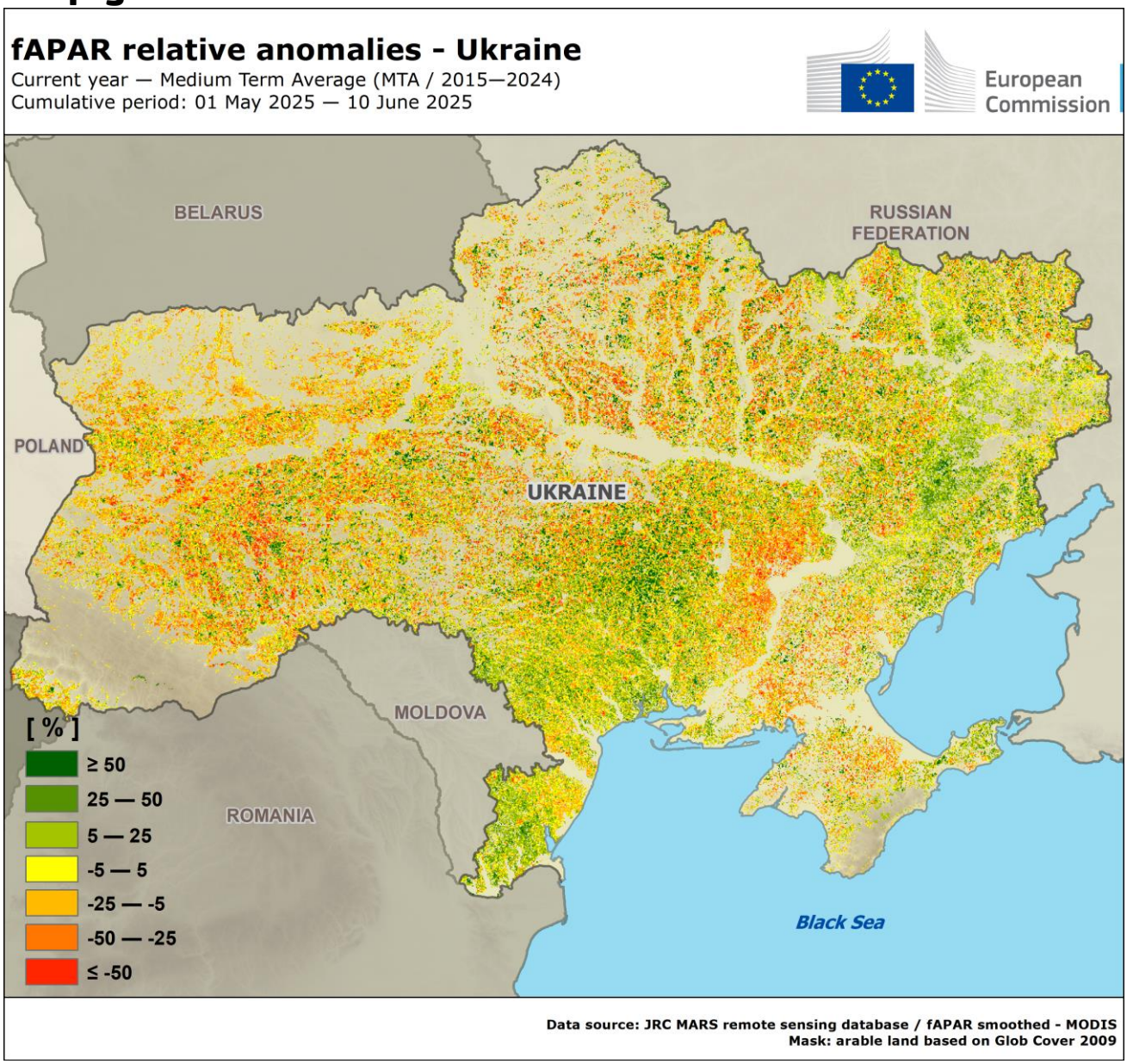

Donets'ka (UA)
Rainfall
Daily [mm]
Cumulative [mm]
01 Oct 24
01 Nov 24
01 Dec 24
01 Jan 25
01 Feb 25
25 Feb 25
Cumulative Daily LTA
© European Union, 2025
Source: Joint Research Centre


Vinnyts'ka (UA)
Rainfall
Daily [mm]
Cumulative [mm]
01 Oct 24
01 Nov 24
01 Dec 24
01 Jan 25
01 Feb 25
25 Feb 25
Cumulative Daily LTA
© European Union, 2025
Source: Joint Research Centre


Khmel'nyts'ka (UA)
Rainfall
Daily [mm]
Cumulative [mm]
01 Mar
01 Apr
01 May
01 Jun
10 Jun
Cumulative Daily LTA
© European Union, 2025
Source: Joint Research Centre


Khersons'ka (UA)
Rainfall
Daily [mm]
Cumulative [mm]
01 Mar
01 Apr
01 May
01 Jun
10 Jun
Cumulative Daily LTA
© European Union, 2025
Source: Joint Research Centre

Crop growth conditions



The map displays the relative differences (in percentages) between the cumulative fraction of absorbed photosynthetically active radiation (fAPAR) from 1 April to 10 June 2025 and the medium-term average (MTA, 2015–2024) for the same period. Positive anomalies (in green) reflect above-average crop biomass, while negative anomalies (in red) reflect below-average biomass or late crop development. fAPAR data are derived from the MODIS sensor (Moderate-resolution Imaging Spectroradiometer) on-board NASA's Terra and Aqua satellites.

Winter crops

Winter crops generally entered winter dormancy in fair condition, despite a relatively delayed sowing campaign in autumn. Since early spring, winter cereals have been facing rainfall deficits, particularly in the east, while, in the west, rapeseed was negatively affected by several cold spells during the reproductive stages. Consequently, the yield potential of winter crops was locally reduced, leading to national yield forecasts that fall below the historical trend for rapeseed and remain around the five-year average for winter cereals.

Following a dry and warm summer in 2024, the sowing campaign for winter crops started in early September. Field activities accelerated in early October with the onset of rainfall that improved topsoil moisture conditions. Moderate temperatures provided favourable conditions for germination and early crop development. Above-

average temperatures in December delayed the onset of winter dormancy but allowed sowing operations to progress at a typical pace. Remote sensing analysis indicates an increase in the area sown with rapeseed, particularly in the southern oblasts, while areas under soft wheat and winter barley declined compared with the five-year average (see Appendix A).

Winter crops benefited from generally favourable agro-meteorological conditions during the winter, with overall warmer-than-usual temperatures. The predominantly drier-than-usual conditions are not expected to have adversely impacted the crops, as their water requirements are minimal during the dormancy period. In addition, winter crops were sufficiently hardened by February, when below-average temperatures occurred. As a result, frost damage was limited.

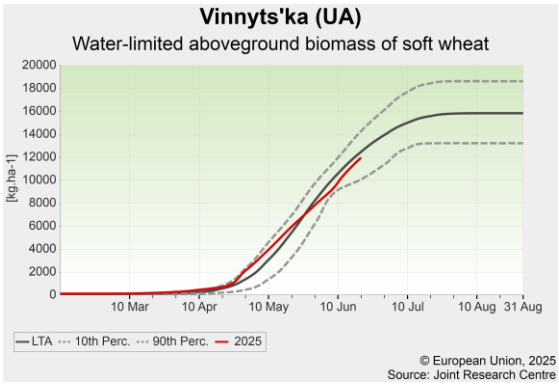
Mild conditions during March permitted an early restart of vegetative growth and supported above-average biomass accumulation across most regions. In the western and central oblasts (from *L'vivs'ka* to *Kirovohrads'ka*), winter crops entered spring in good condition and with adequate water supply. In the southern and eastern oblasts (east of *Dnipropetrovs'ka*), the persistent rainfall deficit reduced available water in the soil and hampered growth.

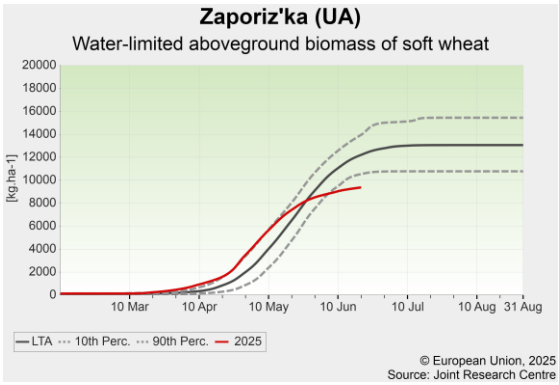
Moderate temperatures in April supported crop development, and biomass accumulation was above average in most regions, reflecting an advance in crop phenology. While limited rainfall maintained winter cereals in good condition in the western oblasts, a cold spell with several nights below 0 °C negatively affected rapeseed in the early flowering stage. Winter cereals were less affected, as crops were still in vegetative stages. In the eastern (*Donets'ka*, *Zaporiz'ka*) and some southern (*Vinnits'ka*, *Odes'ka*) oblasts, the below-average rainfall further worsened crops' condition and reduced their yield potential.

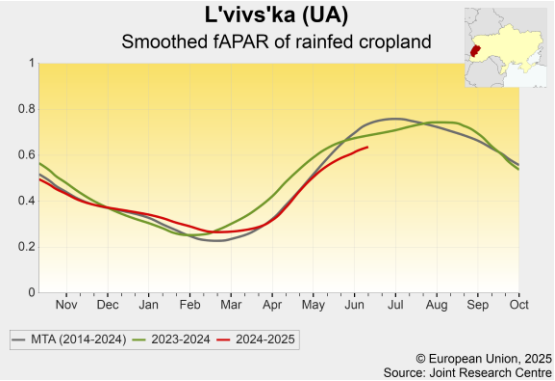
In May, colder-than-usual weather and timely rainfall presented favourable conditions for winter crops during flowering and early grain filling in western Ukraine (e.g. *Khmel'nyts'ka*, *Vinnyts'ka* and *Kyyivs'ka*). However, two more cold spells at the end of April and in early May occurred in *Volyns'ka*, *Rivnens'ka*, *Ternopils'ka* and *Khmel'nyts'ka* oblasts during rapeseed flowering and the onset of pod formation. The negative impact of the repeated cold spells on rapeseed are reflected in the crop-specific leaf area index (LAI) analysis, with a noticeable difference between rapeseed and cereals (e.g. *L'vivs'ka* in Appendix B).

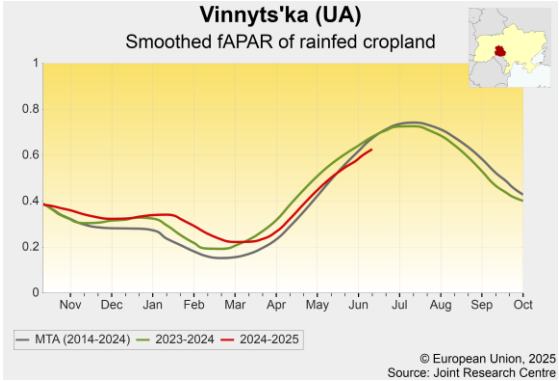
In the southern and central regions (*Odes'ka*, *Cherkas'ka*), the lower-than-average temperatures in May slowed down the advanced crop development and prolonged the productive stages. This prevented crop condition from deteriorating further, and fair yields are currently expected, supported by the favourable weather forecast until end of June.

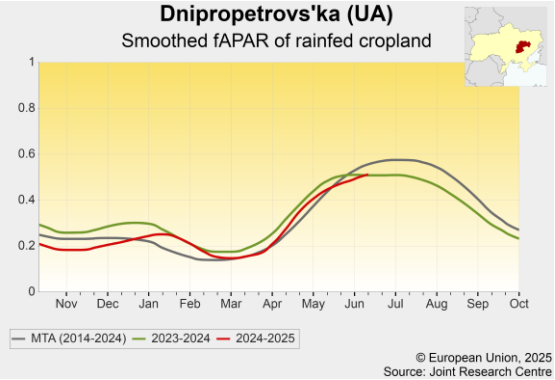
In contrast, the eastern oblasts (*Kharkivs'ka*, *Dnipropetrovs'ka*, *Zaporiz'ka*, *Donets'ka* and *Luhans'ka*) have experienced prolonged dry conditions since the start of the cropping season. Rainfall in May arrived too late to significantly boost growth and increase yield expectations for winter crops. Scarce precipitation during key development stages, including flowering, has substantially reduced the yield potential in the east, as shown in the crop-specific time series. Well-below-average yields are expected. In addition, the analysis of the MODIS map (see above) may be biased, as many uncultivated fields – classified as arable land – show above-average biomass accumulation due to natural vegetation or rangeland growth.

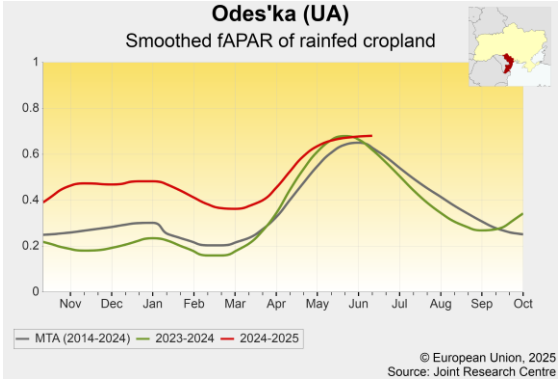


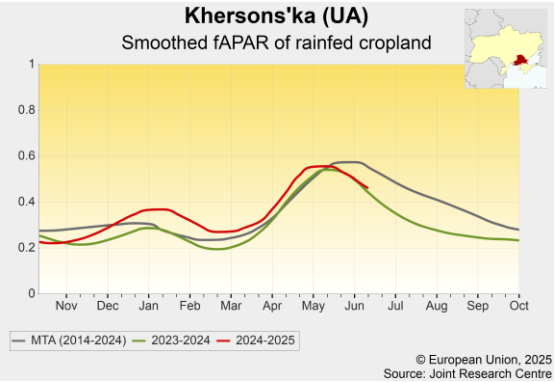


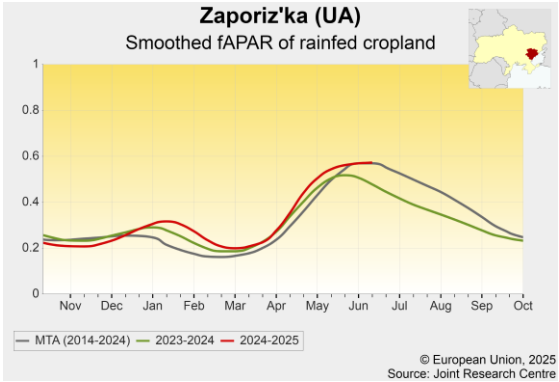


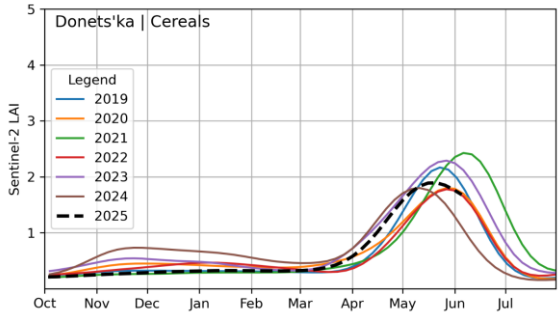


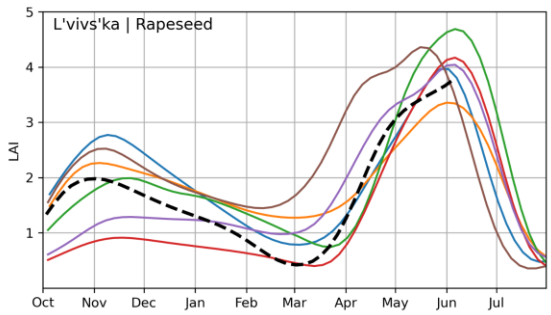












Spring and summer crops

Spring barley

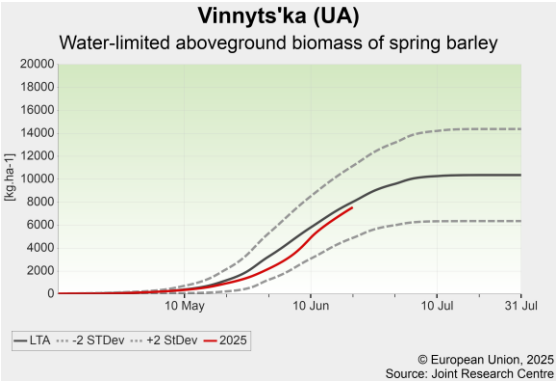
The sowing campaign of spring barley started on time in early March in southern Ukraine. Fieldwork accelerated and progressed well thanks to mild temperatures and sparse rainfall in the last dekad of March and the first week of April, until a cold and wet spell slowed down the sowing. After that, the sowing followed a normal pace and was completed in early May in most regions. The following crop establishment and early development started in dry and sunny conditions. However, from the second dekad of May onwards, development was delayed due to persistently colder-than-usual temperatures. Our crop

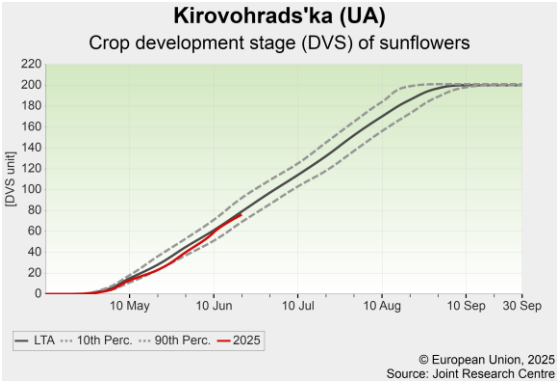
model simulations point to slightly below-average leaf area expansion and biomass accumulation. Soil moisture content is critically low in the east and south-east due to the long-lasting precipitation deficit since January; rainfall is urgently needed to avoid a further deterioration of the yield potential. In western and central Ukraine, in contrast, spring barley's yield potential is maintained thanks to an adequate water supply, despite the delayed crop development so far. Below-average yield is currently forecast at country leve.

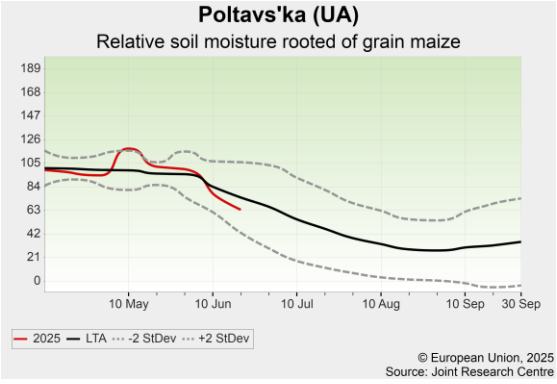
Grain maize, sunflowers and soybeans

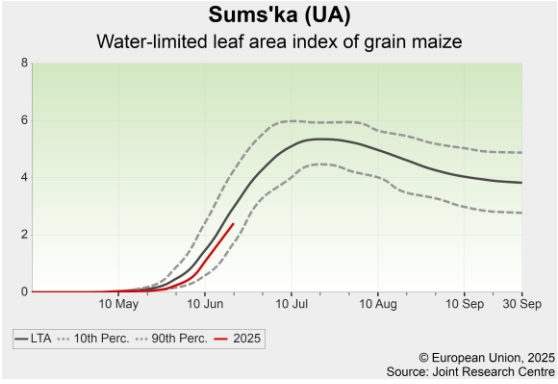
Sowing of summer crops started in late March, but progressed only marginally until 15 April due to freezing temperatures, snowfall and abundant precipitation. Drier- and warmer-than-usual conditions permitted an acceleration of the sowing of sunflower and grain maize between mid April and mid May, before it slowed down again due to rainfall in the following weeks. Eventually, sowings were almost completed by early June. The soybean sowing campaign started slowly and accelerated in late April, before making up the delay in the first half of May. Sowing was largely completed by the end of May. According to the Ukrainian Ministry of Agrarian Policy and Food (MAPF) sowing report[1], the sunflower sown area decreased in the government-controlled areas compared with previous years, while the soybean sown area increased considerably.

The warmer-than-usual conditions in the second half of April provided favourable conditions for the germination and early development of summer crops. However, colder-than-usual conditions prevailing from mid May resulted in a temperature accumulation deficit, particularly in the western regions. For early-sown summer crops, this led to delayed development, while late-sown crops suffered from prolonged and delayed emergence. Above-average daily temperatures in early June allowed partial catching-up and boosted the vegetative development of the summer crops. Our crop model simulations indicate below-average biomass accumulation and canopy expansion, confirming that phenological development is still delayed. As of early June, soil moisture is estimated to be sufficient or favourable in the west and centre, but in considerable deficit in the east and south (*Luhans'ka*, *Donets'ka*, *Zaporiz'ka*, *Dnipropetrovs'ka*, *Khersons'ka* and *Mykolayivs'ka*), putting grain maize in particular at risk, if the dry conditions continue during summer. Our yield forecasts for summer crops are currently in line with the five-year average.









[1] https://minagro.gov.ua/map

Crop yield forecast

Yield forecasts for Ukraine - 16 June 2025 Bulletin

	Crop	Area (x 1000 ha)					Yield (t/ha)					Production (x 1000 t)				
		Avg 5yrs	2024	2025	%25/5yrs	%25/24	Avg 5yrs	2024	MARS 2025 forecasts	%25/5yrs	%25/24	Avg 5yrs	2024	2025	%25/5yrs	%25/24
Ukraine	Wheat	6 308	5 317	**5 786**	– 8	+ 9	4.22	4.43	**4.28**	+ 1	– 3	26 573	23 546	**24 769**	– 7	+ 5
	Barley	2 059	1 577	**1 519**	– 26	– 4	3.51	3.68	**3.49**	– 0	– 5	7 223	5 802	**5 305**	– 27	– 9
	Winter barley	880	647	**738**	– 16	+ 14	3.83	4.20	**3.80**	– 1	– 10	3 367	2 717	**2 804**	– 17	+ 3
	Spring barley	1 179	930	**782**	– 34	– 16	3.27	3.32	**3.20**	– 2	– 3	3 856	3 085	**2 502**	– 35	– 19
	Grain maize	4 663	4 160	**4 145**	– 11	– 0	6.77	6.53	**6.84**	+ 1	+ 5	31 572	27 156	**28 339**	– 10	+ 4
	Sunflower	6 116	5 772	**5 801**	– 5	+ 1	2.23	2.11	**2.22**	– 0	+ 5	13 664	12 180	**12 866**	– 6	+ 6
	Soybean	1 802	2 795	**3 003**	+ 67	+ 7	2.42	2.43	**2.41**	– 0	– 1	4 353	6 779	**7 225**	+ 66	+ 7
	Rapeseed	1 264	1 279	**1 437**	+ 14	+ 12	2.76	2.86	**2.72**	– 2	– 5	3 474	3 663	**3 904**	+ 12	+ 7
Ukraine (Government-controlled oblasts)	Wheat	4 674	4 418	**4 527**	– 3	+ 2	4.45	4.71	**4.57**	+ 3	– 3	20 784	20 797	**20 705**	– 0	– 0
	Barley	1 618	1 317	**1 002**	– 38	– 24	3.60	3.90	**3.66**	+ 2	– 6	5 832	5 132	**3 670**	– 37	– 28
	Winter barley	730	550	**496**	– 32	– 10	3.82	4.41	**3.87**	+ 1	– 12	2 788	2 427	**1 919**	– 31	– 21
	Spring barley	888	767	**505**	– 43	– 34	3.43	3.52	**3.47**	+ 1	– 2	3 044	2 705	**1 751**	– 42	– 35
	Grain maize	4 499	4 021	**4 013**	– 11	– 0	6.84	6.64	**6.90**	+ 1	+ 4	30 771	26 717	**27 702**	– 10	+ 4
	Sunflower	4 861	4 693	**4 792**	– 1	+ 2	2.34	2.22	**2.31**	– 1	+ 4	11 362	10 428	**11 046**	– 3	+ 6
	Soybean	1 714	2 712	**2 922**	+ 70	+ 8	2.39	2.45	**2.40**	+ 0	– 2	4 101	6 632	**7 004**	+ 71	+ 6
	Rapeseed	1 077	1 204	**1 301**	+ 21	+ 8	2.84	2.91	**2.77**	– 2	– 5	3 060	3 507	**3 606**	+ 18	+ 3

NB: Yields are forecast for crops with sufficently long and coherent yield time series.

Sources: 2020-2023 data come from the State Statistics Service of Ukraine.

2024 area and yield in the government-controlled oblasts come from the Ukrainian Ministry of Agrarian Policy and Food.

2025 winter crops area come from remote sensing data analysis.

2025 summer crops area in the government-controlled oblasts are derived from the sowing report published by Ukrainian Ministry of Agrarian Policy and Food.

2025 area in the non-government-controlled oblasts is in line with the last 3-year average.

The column header '%25/5yrs' stands for the 2025 change with respect to the 5-year average(%). Similarly, '%25/24' stands for the 2025 change with respect to 2024(%).

Ukraine yield forecasts for total wheat - 16 June 2025 Bulletin

Oblast	Area (x 1000 ha)					Yield (t/ha)					Production (x 1000 t)				
	Avg 5yrs	2024	2025	%25/5yrs	%25/24	Avg 5yrs	2024	MARS 2025 forecasts	%25/5yrs	%25/24	Avg 5yrs	2024	2025	%25/5yrs	%25/24
Ukraine	6 308	5 317	**5 786**	– 8	+ 9	4.22	4.43	**4.28**	+ 1	– 3	26 573	23 546	**24 769**	– 7	+ 5
Ukraine (Government-controlled oblasts)	4 674	4 418	**4 527**	– 3	+ 2	4.45	4.71	**4.57**	+ 3	– 3	20 784	20 797	**20 705**	– 0	– 0
Cherkas'ka	202	178	**196**	– 3	+ 11	5.24	5.80	**5.39**	+ 3	– 7	1 058	1 029	**1 058**	– 0	+ 3
Chernihivs'ka	176	187	**183**	+ 4	– 2	5.02	5.59	**5.26**	+ 5	– 6	884	1 045	**960**	+ 9	– 8
Chernivets'ka	35	30	**31**	– 10	+ 2	4.65	5.43	**5.00**	+ 8	– 8	161	164	**155**	– 4	– 6
Dnipropetrovs'ka	490	447	**460**	– 6	+ 3	3.80	3.47	**3.40**	– 10	– 2	1 859	1 554	**1 563**	– 16	+ 1
*Donets'ka**	*306*	*108*	***272***	*– 11*	*+ 151*	*3.72*	*3.10*	***3.18***	*– 14*	*+ 3*	*1 136*	*336*	***866***	*– 24*	*+ 158*
Ivano-frankivs'ka	51	46	**46**	– 9	+ 2	5.29	6.12	**5.84**	+ 10	– 5	269	280	**271**	+ 1	– 3
Kharkivs'ka	394	355	**360**	– 9	+ 1	4.51	3.69	**3.96**	– 12	+ 7	1 776	1 310	**1 424**	– 20	+ 9
*Khersons'ka**	*464*	*335*	***223***	*– 52*	*– 33*	*3.75*	*3.45*	***3.39***	*– 10*	*– 2*	*1 748*	*1 156*	***758***	*– 57*	*– 34*
Khmel'nyts'ka	222	215	**220**	– 1	+ 2	6.00	6.57	**6.60**	+ 10	+ 1	1 332	1 414	**1 451**	+ 9	+ 3
Kirovohrads'ka	349	320	**407**	+ 17	+ 27	4.45	4.66	**4.53**	+ 2	– 3	1 555	1 491	**1 844**	+ 19	+ 24
Kyyivs'ka	188	169	**180**	– 4	+ 6	4.79	5.71	**5.03**	+ 5	– 12	902	967	**907**	+ 1	– 6
*Luhans'ka**	*243*	*82*	***291***	*+ 20*	*+ 255*	*3.94*	*3.50*	***3.61***	*– 8*	*+ 3*	*879*	*287*	***1 052***	*+ 20*	*+ 266*
L'vivs'ka	167	160	**98**	– 42	– 39	4.96	5.43	**5.27**	+ 6	– 3	829	866	**515**	– 38	– 41
Mykolayivs'ka	401	364	**494**	+ 23	+ 36	3.60	3.94	**3.87**	+ 8	– 2	1 442	1 434	**1 910**	+ 32	+ 33
Odes'ka	652	711	**677**	+ 4	– 5	3.18	3.86	**3.52**	+ 11	– 9	2 074	2 741	**2 384**	+ 15	– 13
Poltavs'ka	243	251	**245**	+ 1	– 2	4.69	4.78	**4.85**	+ 3	+ 1	1 143	1 197	**1 190**	+ 4	– 1
Rivnens'ka	105	90	**69**	– 34	– 23	4.67	4.85	**4.92**	+ 5	+ 1	490	435	**341**	– 30	– 22
Sums'ka	171	157	**160**	– 7	+ 2	5.20	5.57	**5.54**	+ 7	– 1	892	876	**885**	– 1	+ 1
Ternopil's'ka	201	179	**164**	– 18	– 8	5.54	6.24	**6.01**	+ 8	– 4	1 114	1 114	**987**	– 11	– 11
Vinnyts'ka	313	313	**309**	– 2	– 1	5.14	5.46	**5.65**	+ 10	+ 3	1 610	1 711	**1 743**	+ 8	+ 2
Volyns'ka	151	125	**104**	– 31	– 17	4.66	4.97	**4.97**	+ 7	– 0	705	622	**518**	– 27	– 17
Zakarpats'ka	24	23	**9**	– 62	– 61	3.60	3.53	**3.51**	– 2	– 1	87	82	**32**	– 63	– 61
*Zaporiz'ka**	*620*	*373*	***472***	*– 24*	*+ 26*	*3.26*	*2.60*	***2.94***	*– 10*	*+ 13*	*2 025*	*970*	***1 388***	*– 31*	*+ 43*
Zhytomyrs'ka	138	99	**115**	– 16	+ 16	4.39	4.68	**4.92**	+ 12	+ 5	603	464	**566**	– 6	+ 22

Ukraine yield forecasts for total barley - 16 June 2025 Bulletin

Oblast	Area (x 1000 ha)					Yield (t/ha)					Production (x 1000 t)				
	Avg 5yrs	2024	2025	%25/5yrs	%25/24	Avg 5yrs	2024	MARS 2025 forecasts	%25/5yrs	%25/24	Avg 5yrs	2024	2025	%25/5yrs	%25/24
Ukraine	2 059	1 577	**1 519**	– 26	– 4	3.51	3.68	**3.49**	– 0	– 5	7 223	5 802	**5 305**	– 27	– 9
Ukraine (Government-controlled oblasts)	1 618	1 317	**1 002**	– 38	– 24	3.60	3.90	**3.66**	+ 2	– 6	5 832	5 132	**3 670**	– 37	– 28
Cherkas'ka	51	46	**25**	– 51	– 46	4.21	4.59	**4.23**	+ 1	– 8	215	213	**106**	– 50	– 50
Chernihivs'ka	20	16	**21**	+ 4	+ 34	3.89	4.23	**3.94**	+ 1	– 7	79	66	**83**	+ 5	+ 25
Chernivets'ka	20	22	**7**	– 65	– 68	4.16	4.70	**4.45**	+ 7	– 5	83	103	**31**	– 62	– 70
Dnipropetrovs'ka	200	125	**131**	– 35	+ 4	2.94	2.46	**2.80**	– 5	+ 14	588	309	**366**	– 38	+ 19
*Donets'ka**	*91*	*33*	***51***	*– 44*	*+ 54*	*2.93*	*2.25*	***2.73***	*– 7*	*+ 21*	*265*	*74*	***138***	*– 48*	*+ 87*
Ivano-frankivs'ka	24	21	**2**	– 90	– 89	4.52	4.94	**4.75**	+ 5	– 4	108	101	**11**	– 90	– 89
Kharkivs'ka	99	63	**41**	– 58	– 34	3.51	2.58	**3.06**	– 13	+ 19	346	162	**126**	– 64	– 22
*Khersons'ka**	*160*	*118*	***284***	*+ 78*	*+ 141*	*3.44*	*2.92*	***3.37***	*– 2*	*+ 15*	*549*	*344*	***956***	*+ 74*	*+ 178*
Khmel'nyts'ka	74	83	**21**	– 72	– 75	4.74	5.52	**5.07**	+ 7	– 8	353	460	**106**	– 70	– 77
Kirovohrads'ka	112	85	**64**	– 43	– 25	3.71	3.86	**3.80**	+ 2	– 2	415	329	**241**	– 42	– 27
Kyyivs'ka	63	57	**32**	– 49	– 43	3.97	4.39	**4.13**	+ 4	– 6	252	249	**133**	– 47	– 47
*Luhans'ka**	*33*	*12*	***22***	*– 35*	*+ 81*	*2.87*	*2.62*	***2.76***	*– 4*	*+ 6*	*96*	*31*	***60***	*– 37*	*+ 91*
L'vivs'ka	35	32	**26**	– 25	– 17	4.74	4.99	**4.98**	+ 5	– 0	168	158	**131**	– 22	– 17
Mykolayivs'ka	219	134	**181**	– 17	+ 35	3.20	3.35	**3.38**	+ 6	+ 1	699	447	**611**	– 13	+ 37
Odes'ka	313	284	**212**	– 32	– 25	3.18	3.91	**3.54**	+ 11	– 10	995	1 110	**750**	– 25	– 32
Poltavs'ka	85	76	**53**	– 37	– 30	3.50	3.27	**3.50**	+ 0	+ 7	296	247	**186**	– 37	– 25
Rivnens'ka	43	42	**18**	– 60	– 58	3.81	3.85	**4.26**	+ 12	+ 11	165	161	**75**	– 55	– 54
Sums'ka	30	18	**15**	– 48	– 16	3.87	3.78	**3.89**	+ 1	+ 3	114	68	**60**	– 48	– 13
Ternopil's'ka	84	79	**49**	– 42	– 39	4.59	4.92	**4.71**	+ 3	– 4	385	390	**229**	– 41	– 41
Vinnyts'ka	82	75	**44**	– 46	– 41	4.20	4.48	**4.67**	+ 11	+ 4	346	337	**207**	– 40	– 38
Volyns'ka	31	28	**37**	+ 21	+ 33	3.40	3.61	**3.71**	+ 9	+ 3	104	100	**136**	+ 31	+ 36
Zakarpats'ka	2	2	**8**	+ 328	+ 393	3.13	3.44	**3.14**	+ 0	– 9	6	6	**26**	+ 329	+ 350
*Zaporiz'ka**	*158*	*97*	***162***	*+ 2*	*+ 66*	*3.05*	*2.27*	***2.98***	*– 2*	*+ 31*	*481*	*221*	***481***	*+ 0*	*+ 118*
Zhytomyrs'ka	31	31	**14**	– 54	– 54	3.72	3.73	**3.89**	+ 5	+ 4	115	115	**55**	– 52	– 52

Ukraine yield forecasts for winter barley - 16 June 2025 Bulletin

Oblast	Area (x 1000 ha)					Yield (t/ha)					Production (x 1000 t)				
	Avg 5yrs	2024	2025	%25/5yrs	%25/24	Avg 5yrs	2024	MARS 2025 forecasts	%25/5yrs	%25/24	Avg 5yrs	2024	2025	%25/5yrs	%25/24
Ukraine	880	647	**738**	– 16	+ 14	3.83	4.20	**3.80**	– 1	– 10	3 367	2 717	**2 804**	– 17	+ 3
Ukraine (Government-controlled oblasts)	730	550	**496**	– 32	– 10	3.82	4.41	**3.87**	+ 1	– 12	2 788	2 427	**1 919**	– 31	– 21
Cherkas'ka	13	12	**6**	– 53	– 50	5.00	5.62	**5.22**	+ 4	– 7	64	67	**31**	– 51	– 53
Chernihivs'ka	2	3	**4**	+ 88	+ 39	4.91	5.32	**4.69**	– 4	– 12	9	14	**17**	+ 80	+ 23
Chernivets'ka	7	9	**3**	– 61	– 70	5.28	5.82	**5.50**	+ 4	– 6	38	55	**16**	– 60	– 72
Dnipropetrovs'ka	74	34	**67**	– 9	+ 97	3.58	3.30	**3.14**	– 12	– 5	266	113	**212**	– 20	+ 87
*Donets'ka**	*9*	*3*	***6***	*– 28*	*+ 104*	*3.69*	*2.75*	***3.21***	*– 13*	*+ 17*	*31*	*8*	***20***	*– 37*	*+ 138*
Ivano-frankivs'ka	10	8	**1**	– 91	– 89	5.53	6.49	**5.87**	+ 6	– 9	54	52	**5**	– 90	– 90
Kharkivs'ka	9	2	**1**	– 88	– 56	4.41	3.75	**3.85**	– 13	+ 3	39	9	**4**	– 90	– 55
*Khersons'ka**	*78*	*57*	***159***	*+ 103*	*+ 179*	*4.01*	*3.36*	***3.81***	*– 5*	*+ 13*	*314*	*192*	***606***	*+ 93*	*+ 216*
Khmel'nyts'ka	16	18	**4**	– 74	– 78	5.37	6.49	**5.73**	+ 7	– 12	84	119	**24**	– 72	– 80
Kirovohrads'ka	63	42	**37**	– 42	– 13	4.23	4.65	**4.35**	+ 3	– 6	266	195	**159**	– 40	– 19
Kyyivs'ka	8	7	**2**	– 72	– 69	4.70	5.71	**4.82**	+ 3	– 16	37	41	**11**	– 71	– 74
*Luhans'ka**	*5*	*2*	***4***	*– 30*	*+ 79*	*3.37*	*3.20*	***3.23***	*– 4*	*+ 1*	*17*	*6*	***12***	*– 33*	*+ 80*
L'vivs'ka	21	19	**16**	– 23	– 15	5.68	6.10	**5.99**	+ 6	– 2	119	116	**96**	– 19	– 17
Mykolayivs'ka	158	85	**136**	– 14	+ 61	3.46	3.89	**3.68**	+ 6	– 5	545	328	**500**	– 8	+ 52
Odes'ka	268	241	**180**	– 33	– 25	3.26	4.01	**3.64**	+ 12	– 9	873	967	**657**	– 25	– 32
Poltavs'ka	9	7	**3**	– 67	– 57	4.50	4.15	**4.60**	+ 2	+ 11	42	30	**14**	– 66	– 53
Rivnens'ka	5	5	**2**	– 60	– 59	4.47	4.58	**5.01**	+ 12	+ 9	23	23	**10**	– 56	– 55
Sums'ka	3	2	**0**	– 86	– 76	4.92	4.75	**5.09**	+ 3	+ 7	14	8	**2**	– 85	– 74
Ternopil's'ka	18	15	**4**	– 81	– 77	5.61	6.29	**6.12**	+ 9	– 3	103	95	**22**	– 79	– 77
Vinnyts'ka	27	22	**9**	– 66	– 56	4.64	5.00	**5.00**	+ 8	– 0	127	108	**47**	– 63	– 56
Volyns'ka	8	8	**10**	+ 37	+ 24	4.90	5.43	**5.14**	+ 5	– 5	37	46	**54**	+ 44	+ 17
Zakarpats'ka	1	1	**6**	+ 417	+ 490	3.32	3.72	**3.29**	– 1	– 12	4	4	**19**	+ 412	+ 421
*Zaporiz'ka**	*58*	*35*	***73***	*+ 26*	*+ 108*	*3.75*	*2.39*	***3.40***	*– 9*	*+ 42*	*216*	*84*	***248***	*+ 14*	*+ 196*
Zhytomyrs'ka	10	9	**5**	– 56	– 50	4.15	4.04	**4.26**	+ 3	+ 5	43	37	**19**	– 55	– 47

Ukraine yield forecasts for spring barley - 16 June 2025 Bulletin

Oblast	Area (x 1000 ha)					Yield (t/ha)					Production (x 1000 t)				
	Avg 5yrs	2024	2025	%25/5yrs	%25/24	Avg 5yrs	2024	MARS 2025 forecasts	%25/5yrs	%25/24	Avg 5yrs	2024	2025	%25/5yrs	%25/24
Ukraine	1 179	930	**782**	– 34	– 16	3.27	3.32	**3.20**	– 2	– 3	3 856	3 085	**2 502**	– 35	– 19
Ukraine (Government-controlled oblasts)	888	767	**505**	– 43	– 34	3.43	3.52	**3.47**	+ 1	– 2	3 044	2 705	**1 751**	– 42	– 35
Cherkas'ka	38	34	**19**	– 50	– 44	3.94	4.23	**3.92**	– 1	– 7	151	145	**75**	– 50	– 48
Chernihivs'ka	18	13	**17**	– 5	+ 33	3.78	4.01	**3.78**	– 0	– 6	69	53	**66**	– 5	+ 25
Chernivets'ka	13	12	**4**	– 67	– 66	3.51	3.86	**3.75**	+ 7	– 3	45	48	**16**	– 65	– 67
Dnipropetrovs'ka	126	91	**63**	– 50	– 30	2.56	2.15	**2.44**	– 5	+ 14	322	196	**155**	– 52	– 21
*Donets'ka**	*82*	*30*	***44***	*– 46*	*+ 49*	*2.85*	*2.20*	***2.66***	*– 7*	*+ 21*	*234*	*66*	***118***	*– 49*	*+ 80*
Ivano-frankivs'ka	14	13	**1**	– 90	– 89	3.82	3.95	**4.02**	+ 5	+ 2	54	49	**6**	– 90	– 89
Kharkivs'ka	90	60	**40**	– 55	– 34	3.42	2.54	**3.04**	– 11	+ 20	308	153	**122**	– 60	– 20
*Khersons'ka**	*81*	*61*	***125***	*+ 54*	*+ 105*	*2.89*	*2.50*	***2.80***	*– 3*	*+ 12*	*234*	*153*	***350***	*+ 49*	*+ 129*
Khmel'nyts'ka	59	65	**17**	– 72	– 74	4.57	5.25	**4.91**	+ 7	– 6	269	341	**82**	– 69	– 76
Kirovohrads'ka	49	43	**27**	– 45	– 37	3.04	3.09	**3.05**	+ 0	– 1	149	134	**82**	– 45	– 38
Kyyivs'ka	56	50	**30**	– 46	– 39	3.86	4.20	**4.08**	+ 6	– 3	214	208	**122**	– 43	– 41
*Luhans'ka**	*28*	*10*	***18***	*– 36*	*+ 82*	*2.78*	*2.50*	***2.67***	*– 4*	*+ 7*	*78*	*25*	***48***	*– 38*	*+ 94*
L'vivs'ka	14	13	**10**	– 29	– 19	3.37	3.33	**3.40**	+ 1	+ 2	49	42	**35**	– 28	– 17
Mykolayivs'ka	61	49	**45**	– 26	– 8	2.52	2.42	**2.48**	– 2	+ 2	153	119	**112**	– 27	– 6
Odes'ka	45	43	**32**	– 30	– 26	2.70	3.32	**2.94**	+ 9	– 11	123	143	**93**	– 24	– 35
Poltavs'ka	75	68	**50**	– 34	– 27	3.38	3.17	**3.43**	+ 2	+ 8	255	217	**172**	– 33	– 21
Rivnens'ka	38	37	**15**	– 60	– 58	3.71	3.75	**4.16**	+ 12	+ 11	142	138	**64**	– 55	– 54
Sums'ka	27	16	**15**	– 44	– 9	3.76	3.68	**3.86**	+ 3	+ 5	100	60	**57**	– 43	– 5
Ternopil's'ka	65	64	**45**	– 31	– 30	4.30	4.59	**4.60**	+ 7	+ 0	281	295	**207**	– 26	– 30
Vinnyts'ka	55	54	**35**	– 36	– 35	3.98	4.27	**4.58**	+ 15	+ 7	219	229	**160**	– 27	– 30
Volyns'ka	23	19	**26**	+ 15	+ 37	2.91	2.82	**3.14**	+ 8	+ 11	67	54	**83**	+ 24	+ 52
Zakarpats'ka	1	1	**2**	+ 203	+ 255	2.87	3.04	**2.79**	– 3	– 8	2	2	**7**	+ 195	+ 225
*Zaporiz'ka**	*100*	*62*	***89***	*– 11*	*+ 43*	*2.65*	*2.20*	***2.63***	*– 1*	*+ 20*	*265*	*137*	***234***	*– 12*	*+ 71*
Zhytomyrs'ka	21	22	**10**	– 53	– 55	3.51	3.60	**3.72**	+ 6	+ 3	72	79	**36**	– 50	– 54

Ukraine yield forecasts for grain maize - 16 June 2025 Bulletin

Oblast	Area (x 1000 ha)					Yield (t/ha)					Production (x 1000 t)				
	Avg 5yrs	2024	2025	%25/5yrs	%25/24	Avg 5yrs	2024	MARS 2025 forecasts	%25/5yrs	%25/24	Avg 5yrs	2024	2025	%25/5yrs	%25/24
Ukraine	4 663	4 160	**4 145**	– 11	– 0	6.77	6.53	**6.84**	+ 1	+ 5	31 572	27 156	**28 339**	– 10	+ 4
Ukraine (Government-controlled oblasts)	4 499	4 021	**4 013**	– 11	– 0	6.84	6.64	**6.90**	+ 1	+ 4	30 771	26 717	**27 702**	– 10	+ 4
Cherkas'ka	383	346	**355**	– 7	+ 3	6.79	6.57	**6.79**	+ 0	+ 3	2 599	2 276	**2 412**	– 7	+ 6
Chernihivs'ka	465	430	**412**	– 11	– 4	8.32	8.53	**8.32**	+ 0	– 3	3 868	3 666	**3 430**	– 11	– 6
Chernivets'ka	61	59	**58**	– 4	– 0	7.25	7.54	**7.25**	+ 0	– 4	440	441	**423**	– 4	– 4
Dnipropetrovs'ka	280	292	**184**	– 34	– 37	3.85	3.21	**3.85**	– 0	+ 20	1 077	937	**708**	– 34	– 24
*Donets'ka**	*43*	*39*	***34***	*– 22*	*– 14*	*3.41*	*2.39*	***3.41***	*– 0*	*+ 43*	*147*	*93*	***115***	*– 22*	*+ 23*
Ivano-frankivs'ka	57	55	**54**	– 7	– 2	8.57	8.98	**8.57**	– 0	– 5	493	491	**459**	– 7	– 7
Kharkivs'ka	216	207	**211**	– 2	+ 2	5.20	3.92	**5.20**	+ 0	+ 33	1 121	813	**1 095**	– 2	+ 35
*Khersons'ka**	*44*	*24*	***32***	*– 27*	*+ 34*	*8.39*	*5.51*	***8.39***	*+ 0*	*+ 52*	*356*	*130*	***267***	*– 25*	*+ 105*
Khmel'nyts'ka	239	193	**202**	– 16	+ 4	9.47	10.4	**9.47**	+ 0	– 9	2 268	2 003	**1 913**	– 16	– 5
Kirovohrads'ka	341	311	**314**	– 8	+ 1	4.95	3.81	**4.95**	+ 0	+ 30	1 687	1 183	**1 552**	– 8	+ 31
Kyyivs'ka	319	277	**292**	– 9	+ 5	7.22	8.07	**7.22**	– 0	– 11	2 301	2 239	**2 105**	– 9	– 6
*Luhans'ka**	*46*	*34*	***37***	*– 19*	*+ 9*	*3.06*	*2.42*	***2.99***	*– 3*	*+ 23*	*142*	*83*	***111***	*– 22*	*+ 35*
L'vivs'ka	78	79	**95**	+ 21	+ 19	9.15	9.61	**9.16**	+ 0	– 5	715	762	**866**	+ 21	+ 14
Mykolayivs'ka	95	82	**76**	– 20	– 8	3.74	2.32	**3.74**	+ 0	+ 61	355	191	**284**	– 20	+ 49
Odes'ka	144	158	**135**	– 6	– 15	3.88	3.76	**3.88**	– 0	+ 3	559	595	**524**	– 6	– 12
Poltavs'ka	546	450	**455**	– 17	+ 1	6.55	5.71	**6.55**	+ 0	+ 15	3 579	2 569	**2 981**	– 17	+ 16
Rivnens'ka	80	70	**65**	– 19	– 6	8.37	9.22	**8.37**	+ 0	– 9	673	641	**545**	– 19	– 15
Sums'ka	341	262	**328**	– 4	+ 25	7.93	7.93	**7.93**	+ 0	+ 0	2 706	2 075	**2 603**	– 4	+ 25
Ternopil's'ka	138	133	**133**	– 4	– 0	9.84	10.5	**9.84**	+ 0	– 7	1 356	1 404	**1 308**	– 4	– 7
Vinnyts'ka	388	307	**324**	– 17	+ 5	6.87	6.80	**6.87**	+ 0	+ 1	2 666	2 090	**2 222**	– 17	+ 6
Volyns'ka	49	46	**51**	+ 4	+ 11	8.87	8.98	**8.87**	+ 0	– 1	435	413	**452**	+ 4	+ 10
Zakarpats'ka	47	44	**45**	– 4	+ 3	4.80	4.94	**4.80**	+ 0	– 3	226	215	**216**	– 4	+ 1
*Zaporiz'ka**	*31*	*42*	***29***	*– 8*	*– 32*	*5.00*	*3.14*	***5.00***	*+ 0*	*+ 59*	*157*	*133*	***144***	*– 8*	*+ 8*
Zhytomyrs'ka	232	221	**225**	– 3	+ 2	7.11	7.77	**7.11**	+ 0	– 9	1 647	1 714	**1 603**	– 3	– 7

Ukraine yield forecasts for sunflower - 16 June 2025 Bulletin

Oblast	Area (x 1000 ha)					Yield (t/ha)					Production (x 1000 t)				
	Avg 5yrs	2024	2025	%25/5yrs	%25/24	Avg 5yrs	2024	MARS 2025 forecasts	%25/5yrs	%25/24	Avg 5yrs	2024	2025	%25/5yrs	%25/24
Ukraine	6 116	5 772	**5 801**	– 5	+ 1	2.23	2.11	**2.22**	– 0	+ 5	13 664	12 180	**12 866**	– 6	+ 6
Ukraine (Government-controlled oblasts)	4 861	4 693	**4 792**	– 1	+ 2	2.34	2.22	**2.31**	– 1	+ 4	11 362	10 428	**11 046**	– 3	+ 6
Cherkas'ka	240	227	**239**	– 0	+ 6	2.81	2.81	**2.81**	+ 0	+ 0	674	636	**673**	– 0	+ 6
Chernihivs'ka	247	215	**230**	– 7	+ 7	2.66	2.73	**2.66**	– 0	– 2	658	587	**612**	– 7	+ 4
Chernivets'ka	20	17	**18**	– 10	+ 6	2.78	2.69	**2.78**	– 0	+ 3	55	45	**49**	– 10	+ 10
Dnipropetrovs'ka	647	710	**868**	+ 34	+ 22	1.97	1.82	**1.97**	+ 0	+ 8	1 273	1 289	**1 709**	+ 34	+ 33
*Donets'ka**	*261*	*220*	***206***	*– 21*	*– 6*	*1.98*	*1.76*	***1.98***	*– 0*	*+ 13*	*518*	*387*	***407***	*– 21*	*+ 5*
Ivano-frankivs'ka	25	13	**9**	– 64	– 31	2.85	2.97	**2.85**	– 0	– 4	73	40	**26**	– 64	– 34
Kharkivs'ka	498	480	**476**	– 4	– 1	2.28	2.22	**2.28**	+ 0	+ 3	1 134	1 064	**1 085**	– 4	+ 2
*Khersons'ka**	*272*	*213*	***237***	*– 13*	*+ 11*	*1.67*	*1.36*	***1.67***	*+ 0*	*+ 23*	*483*	*290*	***395***	*– 18*	*+ 36*
Khmel'nyts'ka	167	123	**129**	– 23	+ 5	3.15	3.07	**3.15**	– 0	+ 2	527	377	**405**	– 23	+ 7
Kirovohrads'ka	621	648	**637**	+ 3	– 2	2.22	2.11	**2.22**	+ 0	+ 5	1 376	1 371	**1 414**	+ 3	+ 3
Kyyivs'ka	202	192	**195**	– 4	+ 2	2.63	2.79	**2.63**	– 0	– 6	533	534	**513**	– 4	– 4
*Luhans'ka**	*313*	*297*	***239***	*– 23*	*– 19*	*1.84*	*1.72*	***1.81***	*– 1*	*+ 5*	*574*	*511*	***434***	*– 24*	*– 15*
L'vivs'ka	34	18	**31**	– 9	+ 78	2.60	2.68	**2.61**	+ 1	– 2	89	47	**81**	– 9	+ 73
Mykolayivs'ka	472	501	**470**	– 0	– 6	1.76	1.56	**1.76**	+ 0	+ 13	831	781	**827**	– 0	+ 6
Odes'ka	398	429	**356**	– 11	– 17	1.70	1.70	**1.70**	– 0	+ 0	678	729	**604**	– 11	– 17
Poltavs'ka	400	387	**384**	– 4	– 1	2.60	2.46	**2.60**	+ 0	+ 6	1 037	949	**999**	– 4	+ 5
Rivnens'ka	46	36	**46**	– 0	+ 29	2.53	2.58	**2.53**	+ 0	– 2	117	93	**117**	– 0	+ 26
Sums'ka	263	174	**173**	– 34	– 1	2.76	2.70	**2.76**	+ 0	+ 2	725	469	**477**	– 34	+ 2
Ternopil's'ka	90	72	**76**	– 15	+ 6	3.31	3.35	**3.31**	+ 0	– 1	298	242	**253**	– 15	+ 4
Vinnyts'ka	303	300	**296**	– 2	– 1	2.79	2.69	**2.79**	– 0	+ 4	846	808	**826**	– 2	+ 2
Volyns'ka	34	22	**22**	– 36	– 2	2.42	2.83	**2.42**	– 0	– 14	83	63	**53**	– 36	– 16
Zakarpats'ka	3	2	**2**	– 50	– 6	2.10	2.53	**2.10**	– 0	– 17	7	4	**3**	– 50	– 22
*Zaporiz'ka**	*409*	*349*	***328***	*– 20*	*– 6*	*1.78*	*1.62*	***1.78***	*+ 0*	*+ 10*	*728*	*565*	***584***	*– 20*	*+ 3*
Zhytomyrs'ka	149	129	**135**	– 9	+ 5	2.35	2.31	**2.35**	+ 0	+ 2	351	298	**318**	– 9	+ 7

Ukraine yield forecasts for soybean - 16 June 2025 Bulletin

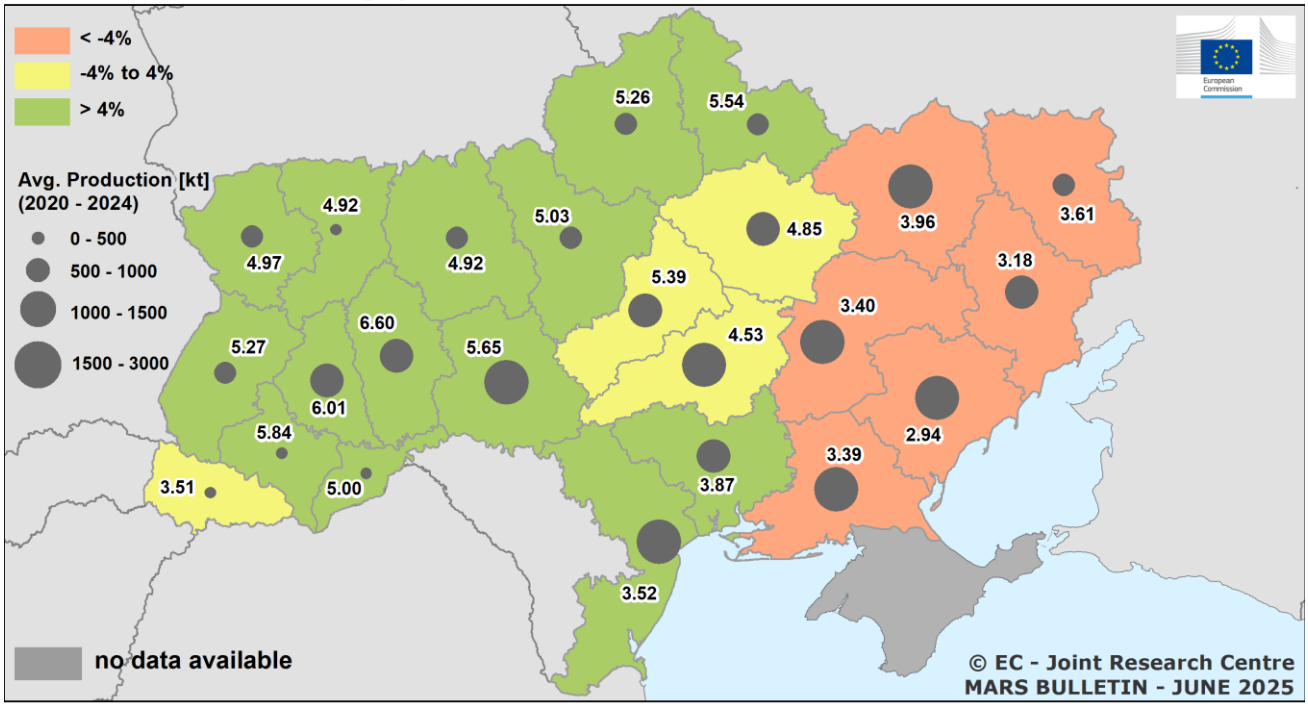
Oblast	Area (x 1000 ha)					Yield (t/ha)					Production (x 1000 t)				
	Avg 5yrs	2024	2025	%25/5yrs	%25/24	Avg 5yrs	2024	MARS 2025 forecasts	%25/5yrs	%25/24	Avg 5yrs	2024	2025	%25/5yrs	%25/24
Ukraine	1 802	2 795	**3 003**	+ 67	+ 7	2.42	2.43	**2.41**	– 0	– 1	4 353	6 779	**7 225**	+ 66	+ 7
Ukraine (Government-controlled oblasts)	1 714	2 712	**2 922**	+ 70	+ 8	2.39	2.45	**2.40**	+ 0	– 2	4 101	6 632	**7 004**	+ 71	+ 6
Cherkas'ka	112	185	**189**	+ 70	+ 3	2.07	2.04	**2.07**	– 0	+ 2	231	376	**392**	+ 69	+ 4
Chernihivs'ka	77	143	**159**	+ 108	+ 11	2.36	2.36	**2.36**	+ 0	– 0	181	338	**376**	+ 108	+ 11
Chernivets'ka	60	69	**83**	+ 38	+ 20	2.31	2.48	**2.31**	+ 0	– 7	139	172	**192**	+ 38	+ 12
Dnipropetrovs'ka	9	25	**7**	– 21	– 71	1.45	1.28	**1.45**	– 0	+ 13	13	32	**10**	– 21	– 68
*Donets'ka**	*5*	*15*	***7***	*+ 31*	*– 55*	*0.85*	*0.80*	***0.85***	*– 0*	*+ 6*	*4*	*12*	***6***	*+ 30*	*– 53*
Ivano-frankivs'ka	53	76	**92**	+ 72	+ 20	3.06	3.33	**3.06**	– 0	– 8	164	254	**281**	+ 72	+ 10
Kharkivs'ka	38	94	**56**	+ 45	– 41	2.15	2.20	**2.15**	– 0	– 2	83	206	**119**	+ 45	– 42
*Khersons'ka**	*61*	*24*	***46***	*– 25*	*+ 92*	*3.15*	*2.32*	***3.15***	*– 0*	*+ 36*	*198*	*56*	***145***	*– 27*	*+ 160*
Khmel'nyts'ka	187	275	**341**	+ 82	+ 24	2.77	3.07	**2.77**	– 0	– 10	519	845	**944**	+ 82	+ 12
Kirovohrads'ka	93	149	**135**	+ 46	– 9	1.53	1.20	**1.53**	+ 0	+ 27	142	179	**207**	+ 46	+ 16
Kyyivs'ka	129	199	**227**	+ 76	+ 14	2.12	2.26	**2.12**	+ 0	– 6	274	448	**481**	+ 76	+ 7
*Luhans'ka**	*3*	*10*	***5***	*+ 42*	*– 50*	*1.92*	—	***1.92***	*+ 0*	—	*1*	—	***9***	*+ 880*	—
L'vivs'ka	111	162	**171**	+ 54	+ 5	3.10	3.44	**3.04**	– 2	– 12	342	559	**519**	+ 52	– 7
Mykolayivs'ka	7	12	**13**	+ 83	+ 10	1.41	1.42	**1.41**	– 0	– 1	10	17	**18**	+ 82	+ 9
Odes'ka	8	16	**9**	+ 4	– 47	1.97	2.09	**1.97**	+ 0	– 6	16	34	**17**	+ 4	– 50
Poltavs'ka	178	289	**350**	+ 97	+ 21	2.10	1.78	**2.10**	– 0	+ 18	375	514	**736**	+ 96	+ 43
Rivnens'ka	82	134	**155**	+ 89	+ 16	2.77	3.20	**2.77**	– 0	– 13	228	427	**431**	+ 89	+ 1
Sums'ka	119	218	**180**	+ 51	– 17	2.37	2.15	**2.37**	+ 0	+ 10	282	468	**427**	+ 52	– 9
Ternopil's'ka	100	141	**172**	+ 73	+ 22	3.00	3.31	**3.00**	– 0	– 9	299	467	**516**	+ 72	+ 10
Vinnyts'ka	125	195	**210**	+ 69	+ 8	2.19	2.32	**2.19**	+ 0	– 5	273	453	**460**	+ 69	+ 2
Volyns'ka	52	92	**108**	+ 105	+ 17	2.58	2.61	**2.58**	– 0	– 1	135	241	**278**	+ 105	+ 15
Zakarpats'ka	15	15	**18**	+ 21	+ 19	2.47	2.46	**2.47**	+ 0	+ 0	37	38	**45**	+ 22	+ 20
*Zaporiz'ka**	*18*	*35*	***23***	*+ 26*	*– 33*	*2.64*	*2.26*	***2.64***	*– 0*	*+ 17*	*49*	*79*	***62***	*+ 26*	*– 22*
Zhytomyrs'ka	159	223	**247**	+ 55	+ 11	2.25	2.53	**2.25**	– 0	– 11	359	564	**555**	+ 55	– 2

Ukraine yield forecasts for rapeseed - 16 June 2025 Bulletin

Oblast	Area (x 1000 ha)					Yield (t/ha)					Production (x 1000 t)				
	Avg 5yrs	2024	2025	%25/5yrs	%25/24	Avg 5yrs	2024	MARS 2025 forecasts	%25/5yrs	%25/24	Avg 5yrs	2024	2025	%25/5yrs	%25/24
Ukraine	1 264	1 279	**1 437**	+ 14	+ 12	2.76	2.86	**2.72**	– 2	– 5	3 474	3 663	**3 904**	+ 12	+ 7
Ukraine (Government-controlled oblasts)	1 077	1 204	**1 301**	+ 21	+ 8	2.84	2.91	**2.77**	– 2	– 5	3 060	3 507	**3 606**	+ 18	+ 3
Cherkas'ka	39	52	**31**	– 20	– 39	3.35	3.24	**3.37**	+ 1	+ 4	132	168	**106**	– 19	– 37
Chernihivs'ka	46	75	**70**	+ 53	– 7	3.12	3.09	**3.19**	+ 2	+ 3	143	232	**224**	+ 56	– 4
Chernivets'ka	13	12	**18**	+ 45	+ 49	2.77	2.80	**2.65**	– 4	– 5	35	34	**48**	+ 39	+ 41
Dnipropetrovs'ka	128	150	**37**	– 71	– 76	2.31	1.76	**2.21**	– 4	+ 26	297	263	**81**	– 73	– 69
*Donets'ka**	*26*	*15*	***4***	*– 85*	*– 73*	*2.36*	*2.00*	***2.10***	*– 11*	*+ 5*	*62*	*30*	***8***	*– 86*	*– 72*
Ivano-frankivs'ka	21	18	**36**	+ 77	+ 99	3.43	3.84	**3.27**	– 5	– 15	70	70	**118**	+ 68	+ 70
Kharkivs'ka	11	24	**3**	– 73	– 87	2.42	2.23	**2.58**	+ 7	+ 16	27	52	**8**	– 71	– 85
*Khersons'ka**	*75*	*24*	***82***	*+ 9*	*+ 241*	*2.39*	*2.09*	***2.25***	*– 6*	*+ 8*	*163*	*50*	***184***	*+ 13*	*+ 267*
Khmel'nyts'ka	87	96	**100**	+ 15	+ 5	3.50	3.57	**3.38**	– 3	– 5	306	342	**339**	+ 11	– 1
Kirovohrads'ka	58	66	**28**	– 51	– 57	2.55	2.46	**2.61**	+ 3	+ 6	149	162	**74**	– 50	– 54
Kyyivs'ka	45	51	**47**	+ 6	– 6	3.08	3.04	**3.10**	+ 1	+ 2	138	155	**147**	+ 7	– 5
*Luhans'ka**	*2*	*2*	***1***	*– 67*	*– 67*	*2.05*	*1.60*	***1.71***	*– 17*	*+ 7*	*4*	*3*	***1***	*– 72*	*– 65*
L'vivs'ka	55	51	**63**	+ 15	+ 23	3.33	3.82	**3.15**	– 5	– 18	182	196	**198**	+ 9	+ 1
Mykolayivs'ka	88	87	**159**	+ 81	+ 84	2.16	2.29	**2.25**	+ 4	– 2	190	199	**358**	+ 89	+ 80
Odes'ka	142	112	**329**	+ 132	+ 195	1.97	2.36	**2.12**	+ 8	– 10	279	263	**697**	+ 150	+ 165
Poltavs'ka	26	47	**8**	– 68	– 82	3.12	2.84	**3.06**	– 2	+ 8	81	134	**26**	– 68	– 81
Rivnens'ka	28	20	**27**	– 5	+ 31	2.92	3.61	**2.76**	– 6	– 23	82	73	**74**	– 11	+ 1
Sums'ka	36	67	**32**	– 9	– 52	3.47	3.60	**3.45**	– 1	– 4	124	242	**112**	– 10	– 54
Ternopil's'ka	76	78	**84**	+ 11	+ 8	3.68	3.76	**3.40**	– 8	– 10	280	294	**287**	+ 3	– 2
Vinnyts'ka	88	117	**135**	+ 54	+ 16	3.21	3.21	**3.25**	+ 1	+ 1	283	373	**440**	+ 56	+ 18
Volyns'ka	47	41	**52**	+ 10	+ 26	3.32	3.53	**3.19**	– 4	– 10	156	144	**165**	+ 6	+ 14
Zakarpats'ka	—	—	**—**	—	—	—	—	**—**	—	—	—	—	**—**	—	—
*Zaporiz'ka**	*84*	*34*	***50***	*– 41*	*+ 47*	*2.19*	*2.13*	***2.09***	*– 4*	*– 2*	*184*	*72*	***104***	*– 43*	*+ 44*
Zhytomyrs'ka	43	41	**39**	– 10	– 4	2.52	2.68	**2.69**	+ 7	+ 0	108	109	**105**	– 3	– 4

Total wheat - yield forecast 2025

MARS forecast versus average yield (t/ha) 2020 - 2024



Disclaimer:
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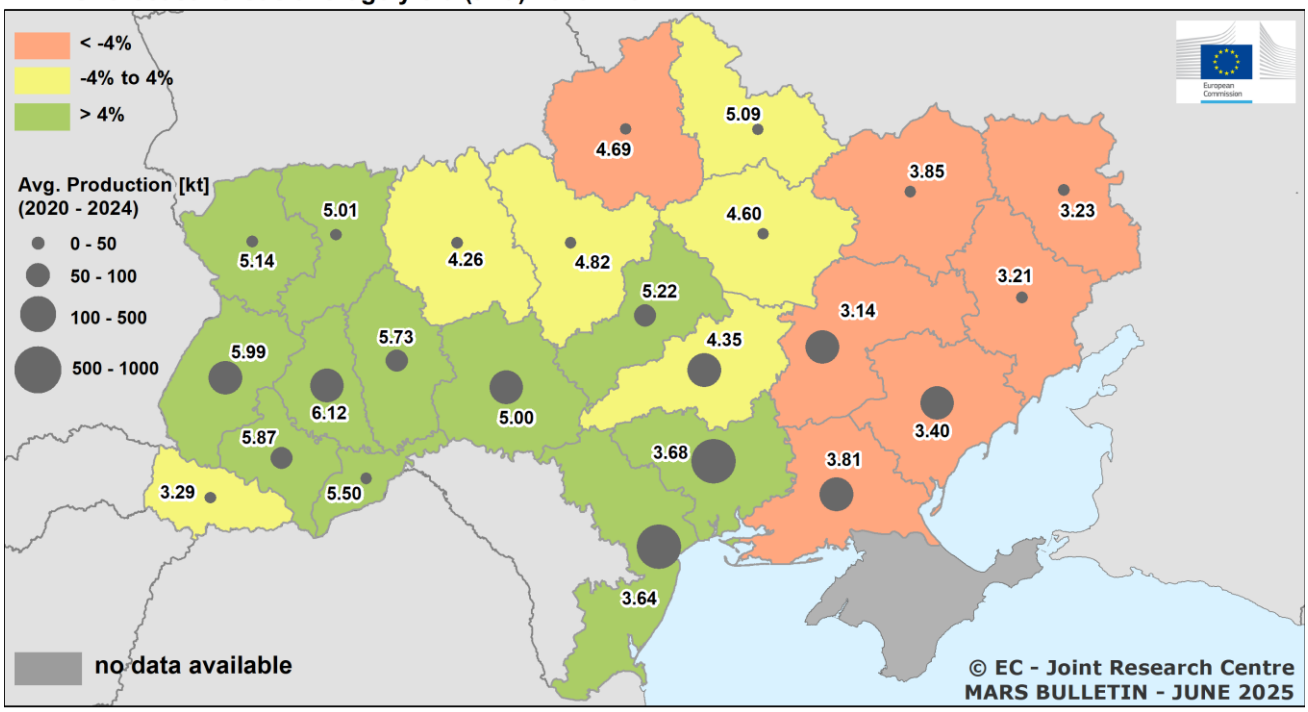
Winter barley - yield forecast 2025

MARS forecast versus average yield (t/ha) 2020 - 2024



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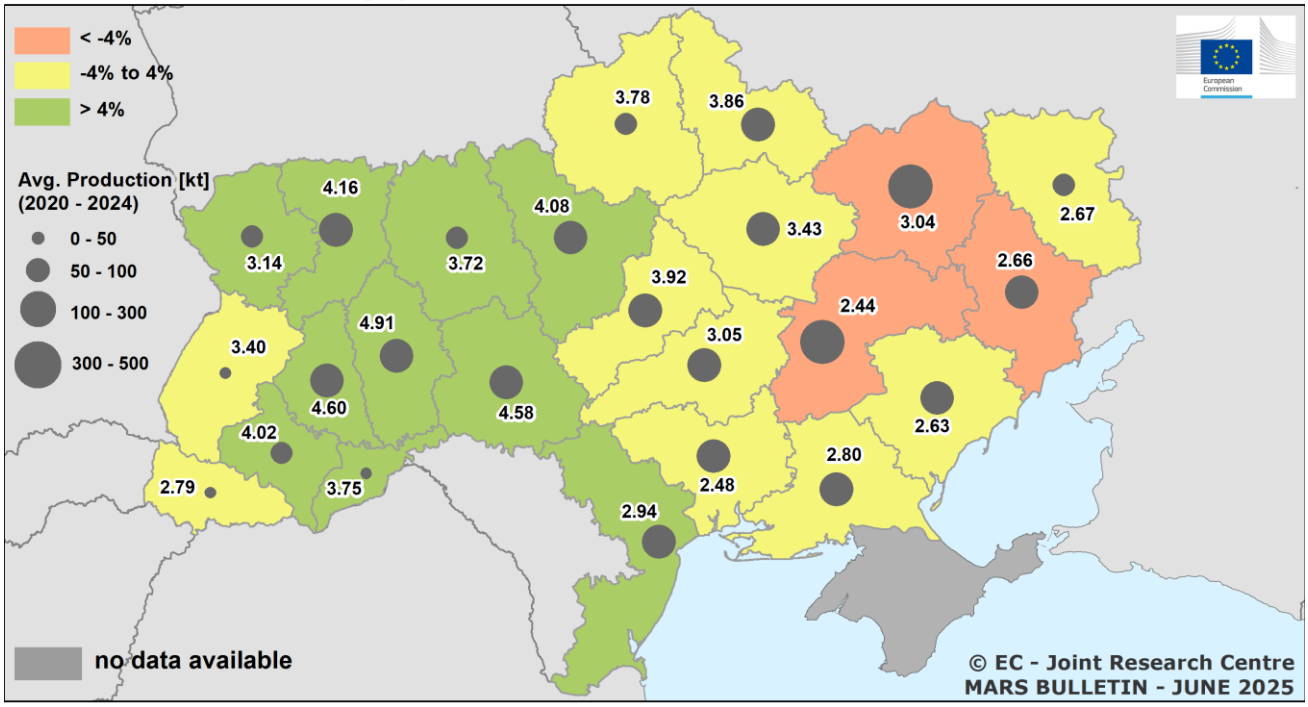
Spring barley - yield forecast 2025

MARS forecast versus average yield (t/ha) 2020 - 2024



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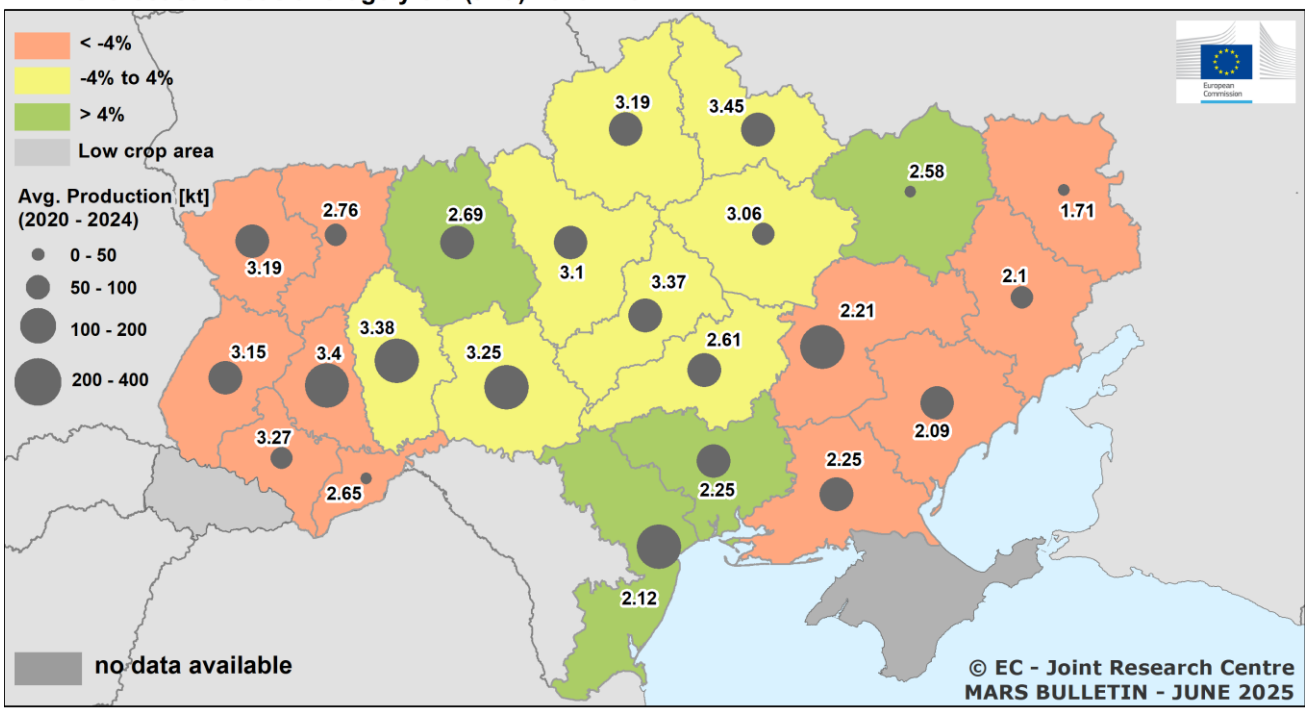
Rapeseed - yield forecast 2025

MARS forecast versus average yield (t/ha) 2020 - 2024



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Appendix

Crop area and crop phenology: an analysis using Copernicus Sentinel-2 data

A- Crops area estimates

The area for winter crops was derived from the analysis of a crop type map produced by the Kyiv Polytechnic Institute (KPI). It is based on machine learning techniques (a combination of multilayer perceptron and random forest) applied to combined monthly cloud-free Copernicus Sentinel-2 mosaics and 15-day Sentinel-1 composites. The methodology has been adapted this year to run on the Copernicus Data Space Ecosystem cloud platform and tailored to the delivery of a winter crop map at the end of May using EO data up to 20 May. Extending the time series until August will result in a complete crop map in early September.

The KPI method is supported by seasonal ground observations collected in April/May for recognisable winter crops and in June for summer crops. As an extension to the standard field data collection, the KPI was tasked in 2025 to provide separate observations for winter wheat and winter barley. In previous years, these two crops were bundled as 'winter cereals' for the May crop map. The labelled data were used in the machine learning model and led to reasonable separation of the two winter cereal types. However, the KPI noted the difficulty in separating winter barley from spring barley during ground data collection, especially where the latter had already emerged. Therefore, we applied split coefficient factors to disaggregate the total barley area from the crop type map. The coefficients are computed from the sowing reports delivered by the Ukrainian Ministry of Agrarian Policy and Food (MAPF). This applied only to government-controlled areas. For the four non-government-controlled oblasts, the split coefficient factors were derived from pre-war (2021) official statistics.

Figure 1 shows the matching between the sowing reports delivered by the MAPF as of the end of December 2024 and the 2025 MARS area estimates for winter crops and spring barley.

Rapeseed numbers display that there is good agreement between MAPF and EO-based estimates. An overestimate in *Odes'ka* oblast is visible.

The summer crop areas were derived from the sowing reports of the MAPF (last updated on 12 June 2025).

B- LAI crop-specific analysis

We derived the Leaf area index (LAI) and Fraction of absorbed photosynthetically active radiation (FAPAR) profiles for winter cereal and rapeseed parcels identified using the crop type map described in Appendix A. We then assessed the growth patterns of these crops by comparing them with parcels represented on crop maps from preceding years from the same oblast (Figure 2). Utilising high-resolution Sentinel-2 imagery, this approach offers a notable improvement over the method normally employed in the bulletin, which is based on non-crop-specific MODIS data.

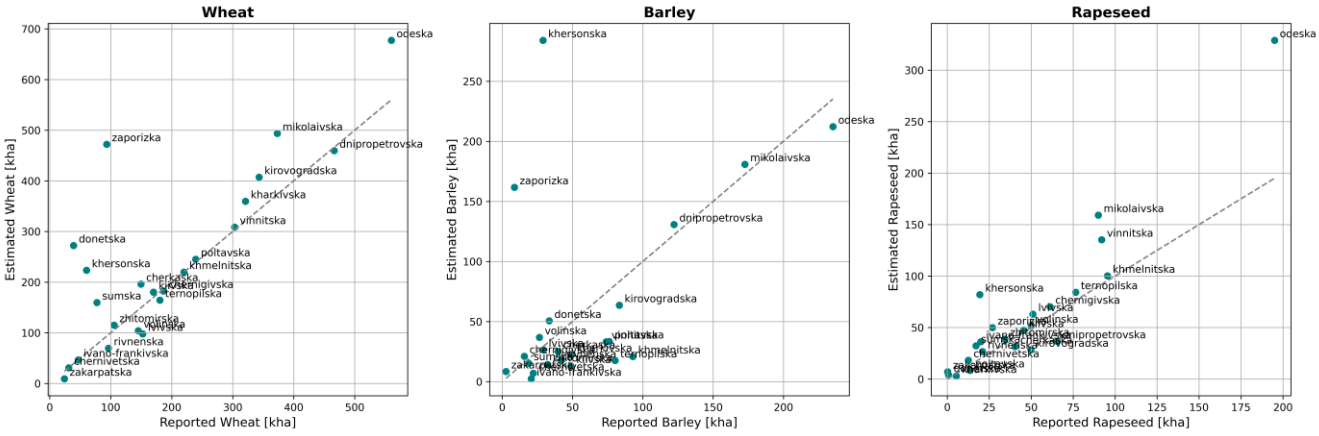

Figure 1: Comparison of winter crops area from MAPF sowing reports and Sentinel-2 estimates.

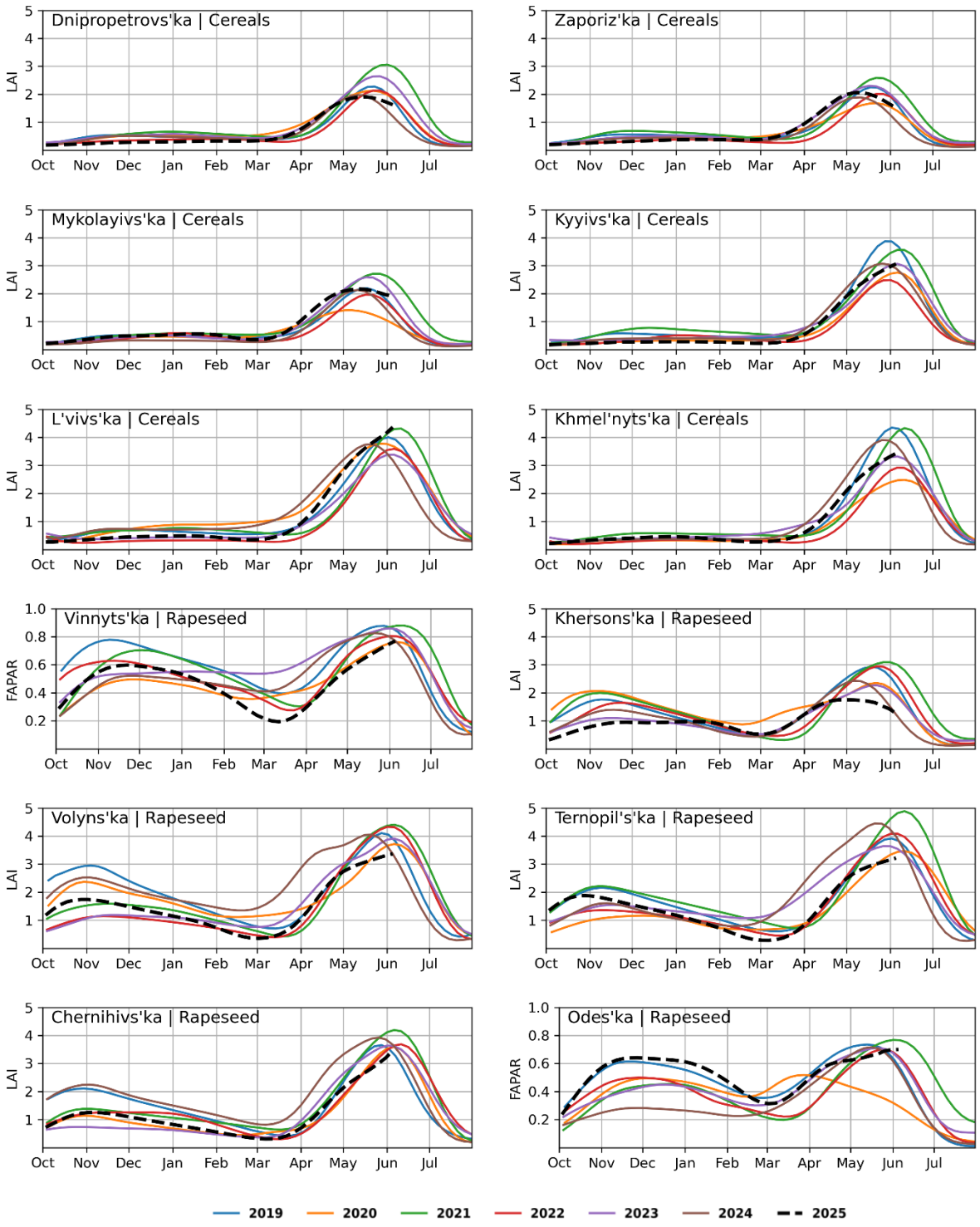

Figure 2. Sentinel-2-based leaf area index (LAI) and fraction of absorbed photosynthetically active radiation (FAPAR) profiles for cereals and rapeseed in selected producing oblasts.

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Technical note
The long-term average (LTA) used within this Bulletin is based on an archive of data covering 1991-2024. The medium-term average (MTA) used within this Bulletin is based on an archive of data covering 2015-2024.

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