

SOYBEAN GROWTH MONITORING

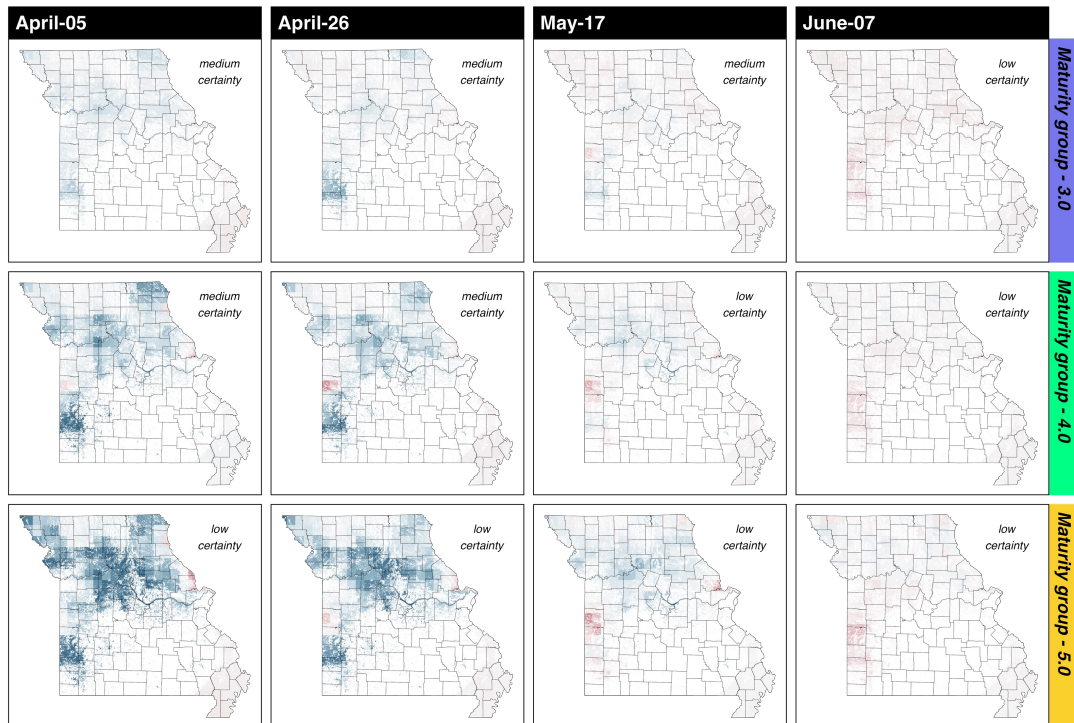
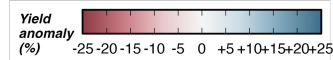


July 24th to August 7th

- Northern, central, and southwestern regions of Missouri are beginning to show potential yield penalties for later planting dates, although model certainty remains low at this point in the season.
- Earlier planting dates continue to show more optimistic yield potential, with some scenarios indicating above-average yields.
- The model does not currently indicate unmet water demand, although hot temperatures are reducing soil moisture conditions.
- As soybeans move further into reproductive growth, scouting for insect and disease pressure is important for making timely late-season management decisions.

Prediction of Yield Anomaly as of Jul-23-2026

Planting dates:

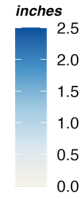
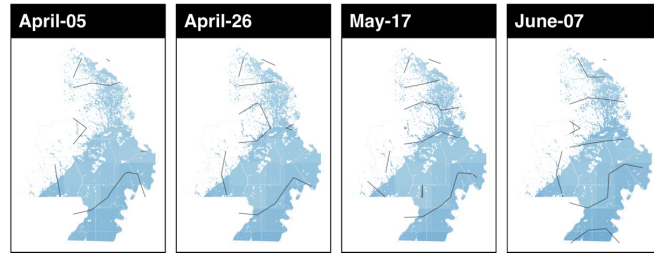


2026 Soybean Yield Forecast for Missouri

Yield is shown as a deviation from the normal expected yield for each of the 12 combinations of planting date (columns) and cultivar maturity group (rows). Blue indicates scenarios with expected yields above normal, red indicates below-normal yields due to the onset of adverse weather conditions, and gray represents yields close to the expected average. Note: yield deviations are relative to the normal expected yield for each specific scenario and are not directly comparable across scenarios

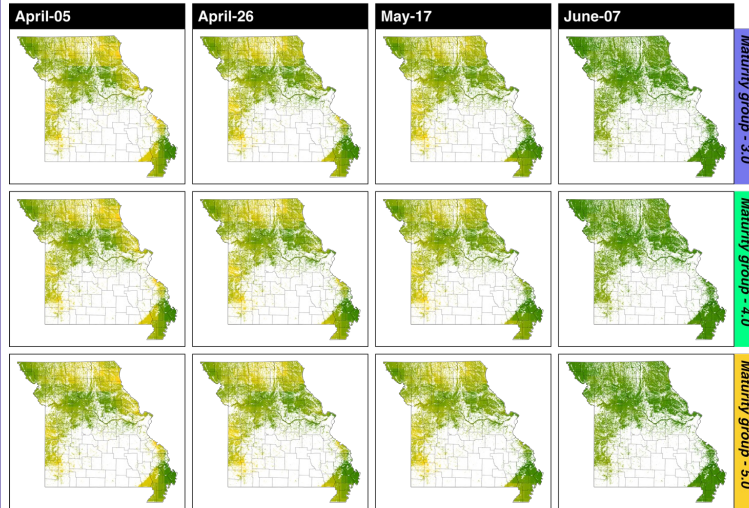
Water Demand Forecast from July 16th to July 31st

Planting dates

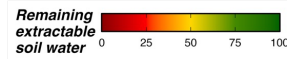


Water demand represents the estimated irrigation need in the absence of rainfall. If rainfall occurs, the amount of precipitation received should be subtracted from the forecasted water demand to estimate the remaining irrigation need.

Planting dates:



Soil Water Content as Proxy of Drought



Remaining extractable soil water is used as an indicator of drought stress. Values represent the percent of plant-available water remaining in the soil relative to its maximum storage capacity. Green areas indicate soils with greater water availability, while yellow to red areas indicate drier conditions.

Phenology and Development

PD		April-05				April-26			May-17			June - 07		
MG	Region	Stage	Node	Harvest	Stage	Node	Harvest	Stage	Node	Harvest	Stage	Node	Harvest	
3.0	CE	R5	19	Aug-31	R5	16	Sep-08	R3	13	Sep-16	R1	8	Sep-26	
	NE	R5	18	Sep-05	R3	16	Sep-13	R3	13	Sep-19	V	8	Sep-30	
	NW	R5	18	Sep-05	R3	16	Sep-13	R3	13	Sep-20	V	8	Sep-30	
	SE	R5	18	Aug-18	R5	17	Aug-30	R5	14	Sep-08	R1	9	Sep-21	
	SW	R5	19	Aug-25	R5	16	Sep-04	R3	13	Sep-11	R1	8	Sep-22	
4.0	CE	R3	19	Sep-16	R3	16	Sep-23	R1	13	Sep-29	V	8	Oct-08	
	NE	R3	18	Sep-22	R1	16	Sep-28	R1	13	Oct-03	V	8	Oct-13	
	NW	R3	18	Sep-23	R1	16	Sep-28	R1	13	Oct-03	V	8	Oct-13	
	SE	R5	21	Sep-05	R5	18	Sep-14	R3	14	Sep-22	V	9	Oct-03	
	SW	R5	20	Sep-11	R3	17	Sep-17	R1	13	Sep-23	V	8	Oct-04	
5.0	CE	R3	19	Sep-30	R1	16	Oct-06	R1	13	Oct-11	V	8	Oct-19	
	NE	R1	18	Oct-05	R1	16	Oct-12	V	13	Oct-16	V	8	Oct-23	
	NW	R1	18	Oct-06	R1	16	Oct-11	V	13	Oct-16	V	8	Oct-24	
	SE	R5	16	Sep-19	R3	17	Sep-28	R1	14	Oct-04	V	9	Oct-13	
	SW	R3	17	Sep-24	R1	17	Sep-29	R1	13	Oct-05	V	8	Oct-14	