

SOYBEAN GROWTH MONITORING

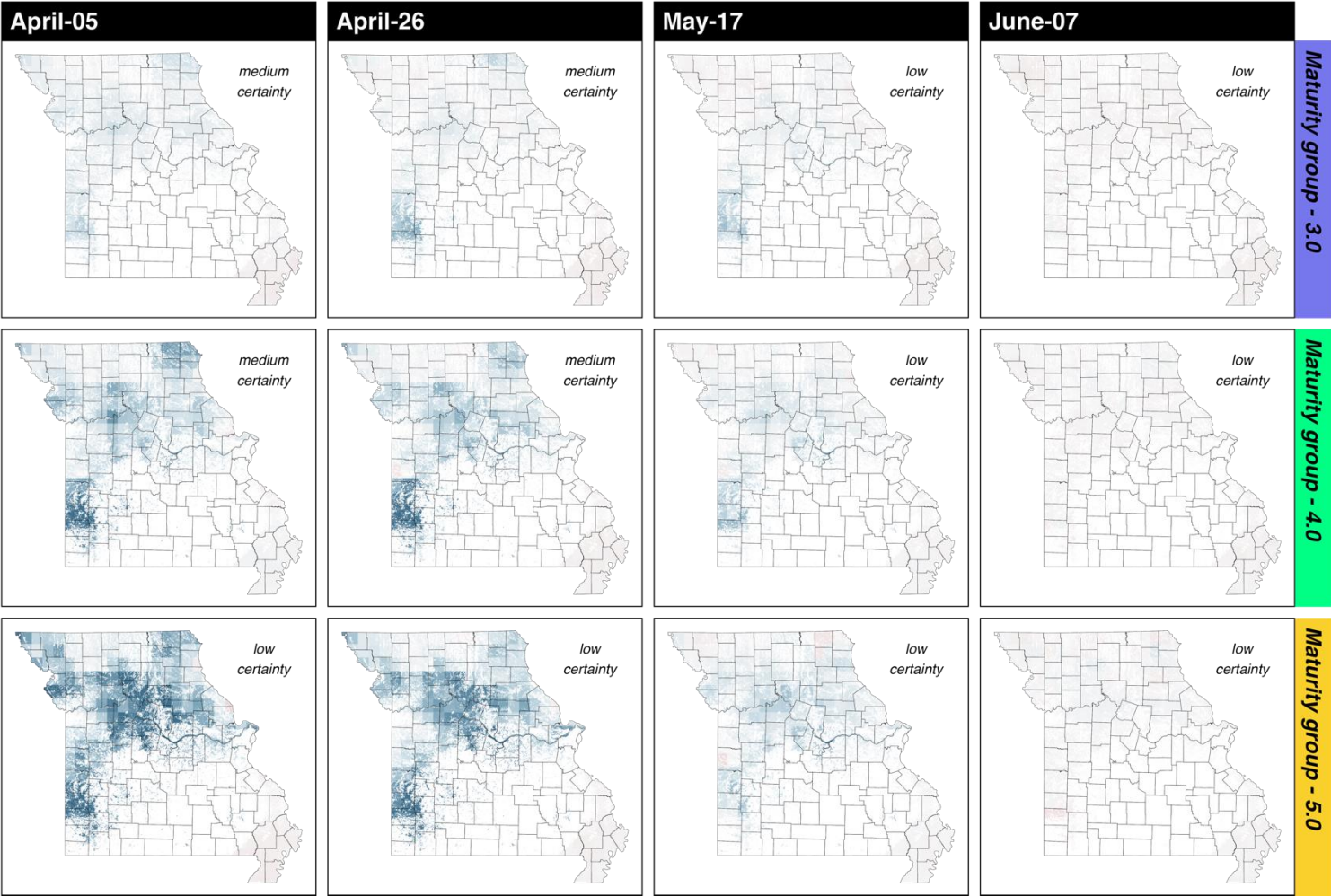
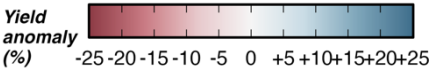


July 7th to July 21st

- Warm temperatures and increased sunlight are supporting rapid soybean growth across much of the state.
- Yield predictions remain at medium to low certainty across most of the state. However, yield penalties are not expected at this point in the growing season.
- Soil moisture has decreased across most of the state, but conditions have not yet developed into drought.
- Scouting should continue for weed escapes, insects, and early disease symptoms as warmer, humid conditions persist.

Prediction of Yield Anomaly as of Jul-07-2026

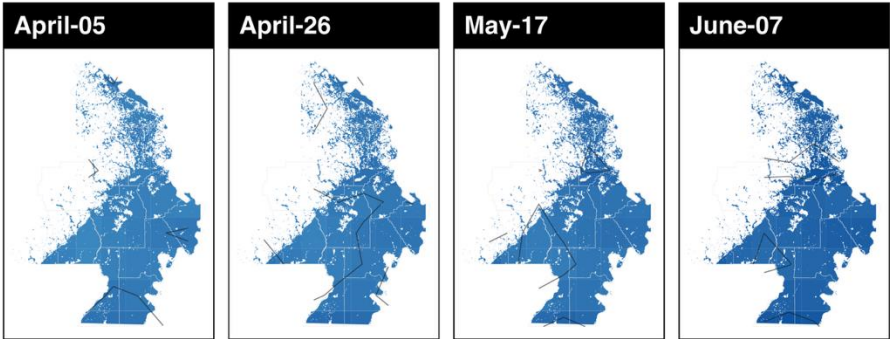
Planting dates:



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

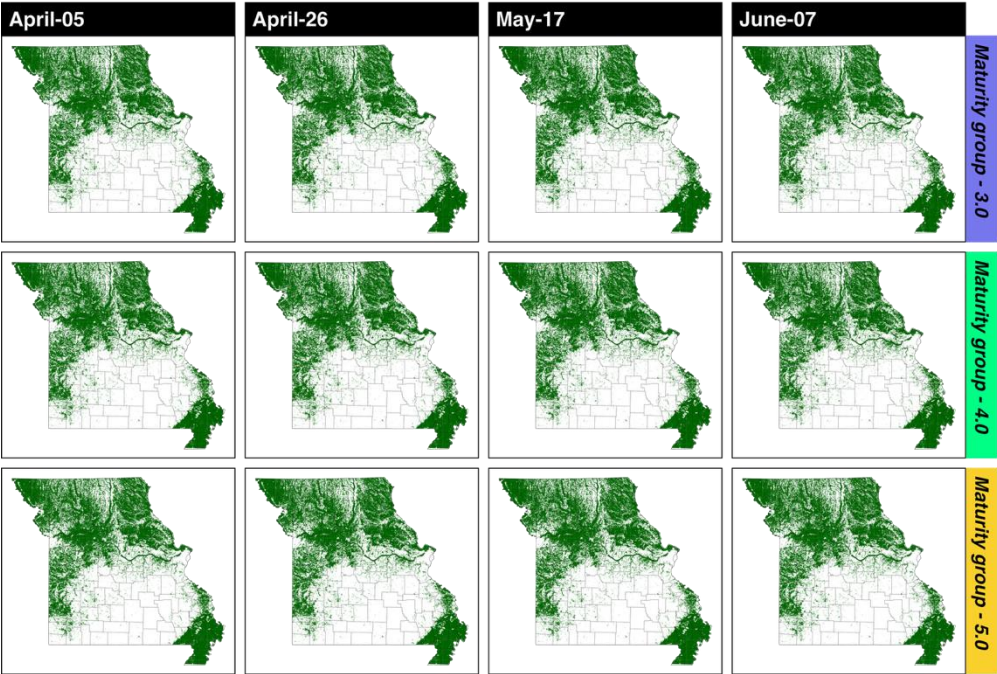
Water Demand Forecast from July 5th to July 20th

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:

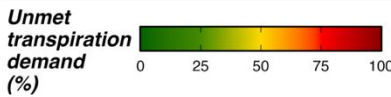


Maturity group - 3.0

Maturity group - 4.0

Maturity group - 5.0

Water Deficit



Unmet transpiration demand is shown as the difference between actual and potential transpiration. Green areas show where soybean water demand was met, while yellow to red areas indicate water stress due to drought from the beginning of the season to date.

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	16	'Aug-31	R3	13	'Sep-08	R1	10	'Sep-16	V	5	'Sep-26
	NE	R3	15	'Sep-06	R3	12	'Sep-13	R1	10	'Sep-20	V	5	'Sep-30
	NW	R3	15	'Sep-05	R3	12	'Sep-13	R1	10	'Sep-20	V	5	'Sep-30
	SE	R5	17	'Aug-18	R5	15	'Aug-30	R3	11	'Sep-08	V	6	'Sep-21
	SW	R5	16	'Aug-25	R3	13	'Sep-04	R1	10	'Sep-12	V	5	'Sep-23
4.0	CE	R3	16	'Sep-17	R1	13	'Sep-23	V	10	'Sep-29	V	5	'Oct-08
	NE	R1	15	'Sep-22	R1	12	'Sep-28	V	10	'Oct-03	V	5	'Oct-13
	NW	R1	15	'Sep-23	R1	12	'Sep-28	V	10	'Oct-03	V	5	'Oct-13
	SE	R5	18	'Sep-05	R3	15	'Sep-14	R1	11	'Sep-21	V	6	'Oct-02
	SW	R3	16	'Sep-11	R1	13	'Sep-18	R1	10	'Sep-25	V	5	'Oct-05
5.0	CE	R1	16	'Sep-30	R1	13	'Oct-06	V	10	'Oct-11	V	5	'Oct-20
	NE	R1	15	'Oct-06	V	12	'Oct-12	V	10	'Oct-16	V	5	'Oct-24
	NW	R1	15	'Oct-06	V	12	'Oct-11	V	10	'Oct-16	V	5	'Oct-24
	SE	R3	16	'Sep-19	R1	15	'Sep-27	R1	11	'Oct-04	V	6	'Oct-13
	SW	R1	16	'Sep-25	R1	13	'Oct-01	V	10	'Oct-06	V	5	'Oct-15