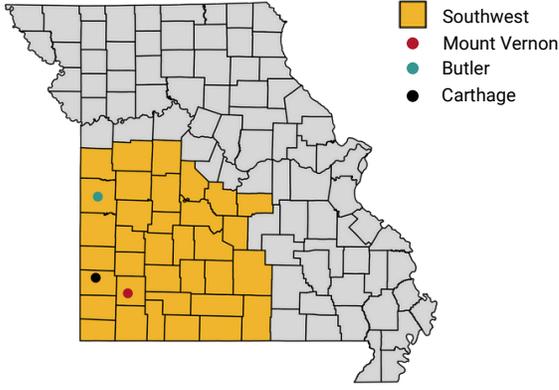




SOYBEAN GROWTH MONITORING

WEEK: 10-01-SOUTHWEST-MO



- The Southwest region continues to face severe drought conditions as of this report despite the rainfall on September 23. Over the past 45 days, cumulative average rainfall in the region has been only 3 inches, while potential water demand reached 8.9 inches.

- The drought has impacted soybeans during pod setting, seed filling, or both, across all planting dates and maturity groups. Expected yield reductions range from 26% to 58%, with low test weights and incomplete seeds anticipated.

2024 Relative Yield Prediction

Planting date:

04-05-2024			04-26-2024			05-17-2024			06-07-2024		
MG 3	MG 4	MG 5	MG 3	MG 4	MG 5	MG 3	MG 4	MG 5	MG 3	MG 4	MG 5
End of cycle											
-26%	-35%	-58%	-26%	-38%	-58%	-27%	-39%	-50%	-39%	-51%	-39%
↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓

• **Obs:** The 2024 yield prediction is relative to the normal yield of the same maturity group planted on the same date.

Growth Cycle

Planting date: 04-05-2024

	Stage	Nodes	Harvest
MG 3	R7	19	End of cycle
MG 4	R7	22	End of cycle
MG 5	R7	18	End of cycle

04-26-2024

	Stage	Nodes	Harvest
	R7	19	End of cycle
	R7	21	End of cycle
	R7	18	End of cycle

05-17-2024

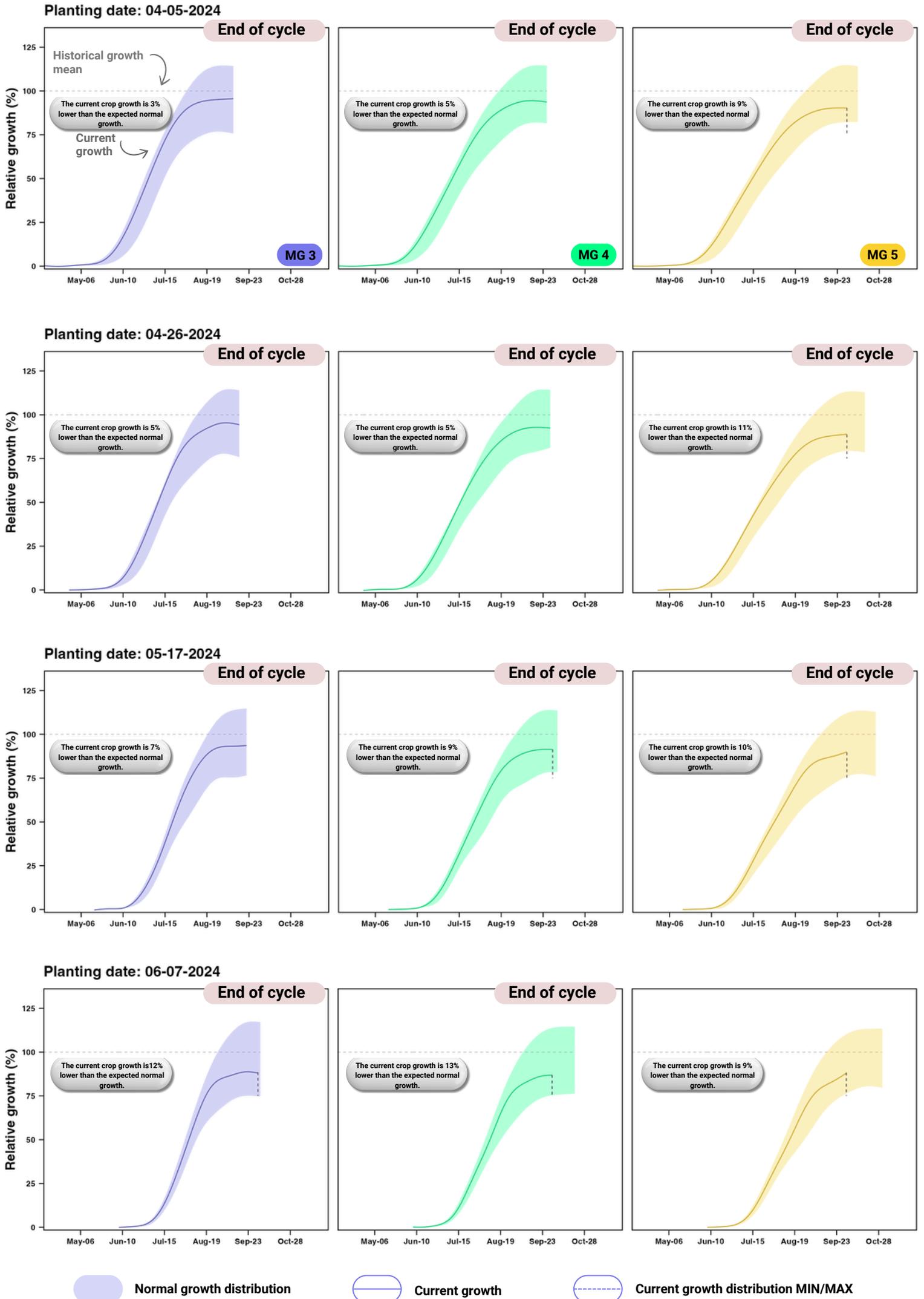
	Stage	Nodes	Harvest
	R7	17	End of cycle
	R7	20	End of cycle
	R7	17	End of cycle

06-07-2024

	Stage	Nodes	Harvest
	R7	16	End of cycle
	R7	17	End of cycle
	R7	15	10/09 ± 4 days

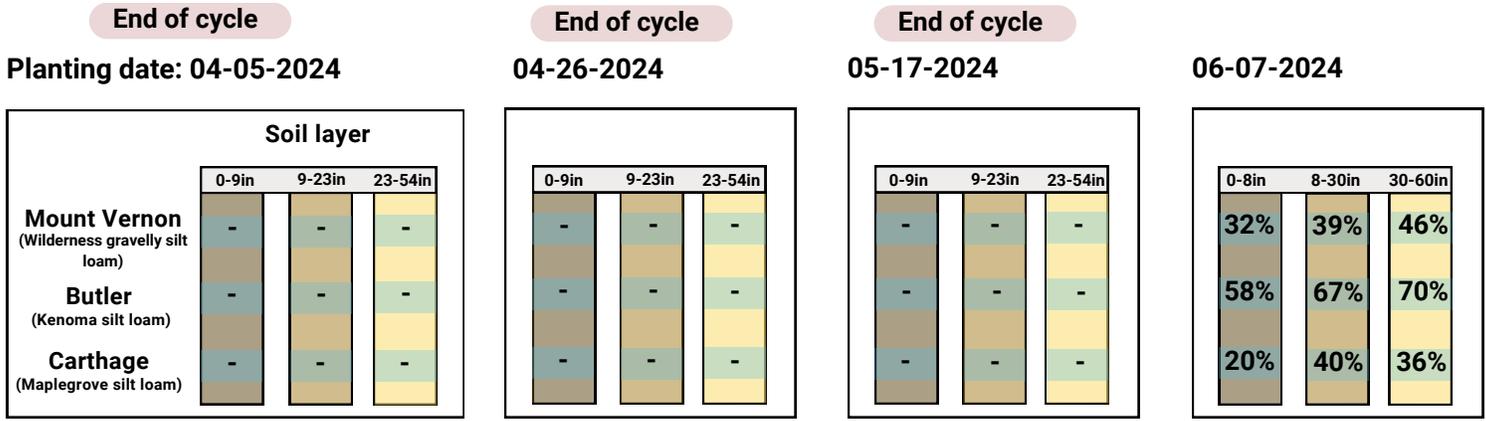
The stage and nodes indicate the current crop development as of the date of this report.

End-of-season growth prediction

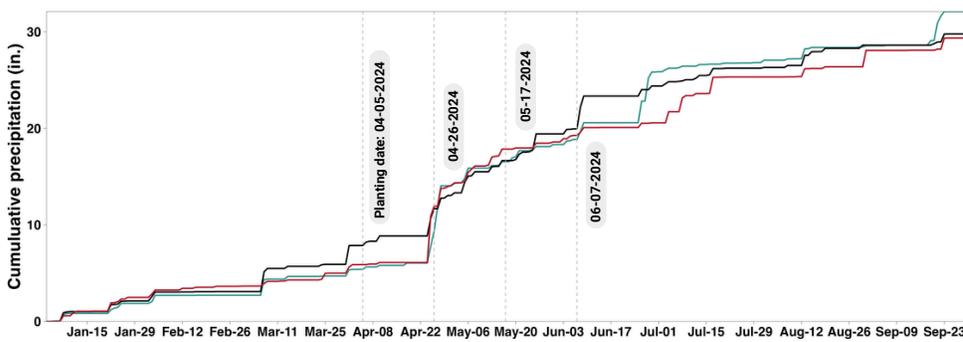


The normal growth represents the average growth expected at the reporting date, derived from simulating a current crop variety using 40 years of historical weather data specific to a particular location and planting date.

Soil water content



Rainfall



Drought Stress

Planting date:	MG 3	MG 4	MG 5
04-05-2024	-	-	-
04-26-2024	-	-	-
05-17-2024	-	-	-
06-07-2024	-	-	66%

Drought stress is estimated by the cumulative crop transpiration reduction.