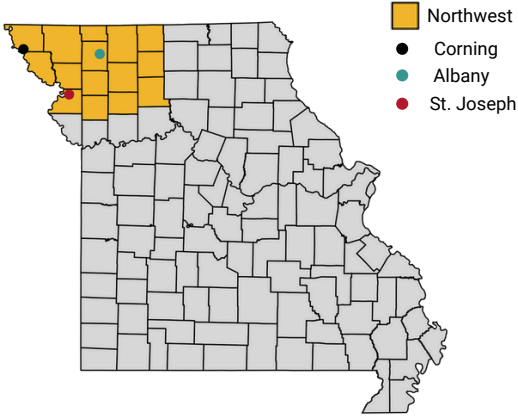




# SOYBEAN GROWTH MONITORING

WEEK: 10-01-NORTHWEST-MO



- April-planted soybeans have reached physiological maturity and are ready or close to being harvested. Yield predictions remain high despite the low rainfall in September.

- Early-maturity group varieties planted in May are also nearing the end of their cycle. Yields for early-maturity groups are expected to be higher than for late-maturity groups.

- June-planted fields experienced more drought stress in August and September compared to early-planted fields therefore yield drop and low-test weight are expected.

## 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
↑	↑	↑	↑	↑	↑	↑	↑	↓	↓	↓	↓
+20%	+18%	+8%	+17%	+9%	+1%	+13%	+3%	-4%	-1%	-8%	-13%
End of cycle	End of cycle	End of cycle	End of cycle	End of cycle	End of cycle	End of cycle	End of cycle	End of cycle	End of cycle	End of cycle	End of cycle

• **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

04-26-2024

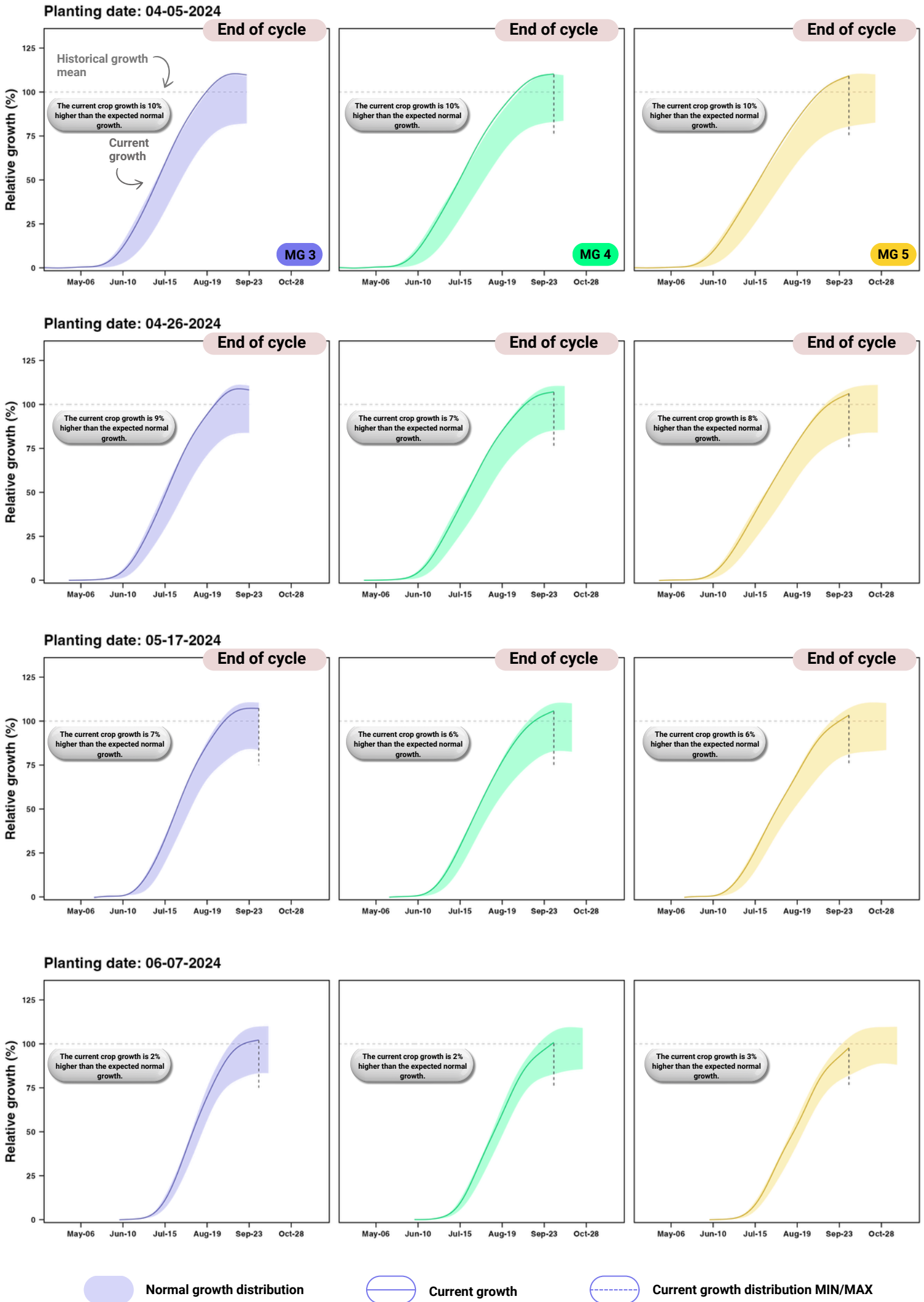
05-17-2024

06-07-2024

Stage	Nodes	Harvest	Stage	Nodes	Harvest	Stage	Nodes	Harvest	Stage	Nodes	Harvest	
MG 3	R7	21	End of cycle	R7	21	End of cycle	R7	20	End of cycle	R7	18	10/03 ± 0 days
MG 4	R7	26	End of cycle	R7	25	End of cycle	R7	23	End of cycle	R7	20	10/12 ± 5 days
MG 5	R7	21	End of cycle	R7	21	End of cycle	R7	20	End of cycle	R6	17	10/22 ± 7 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

End of cycle

End of cycle

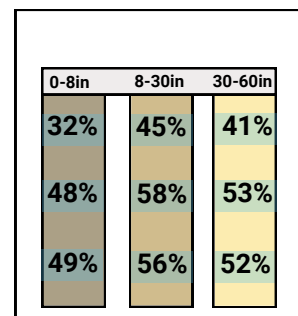
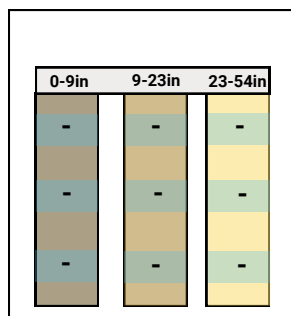
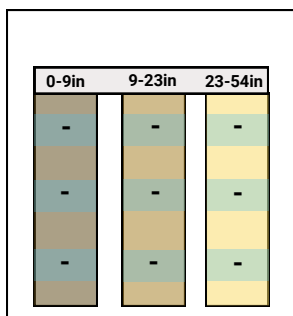
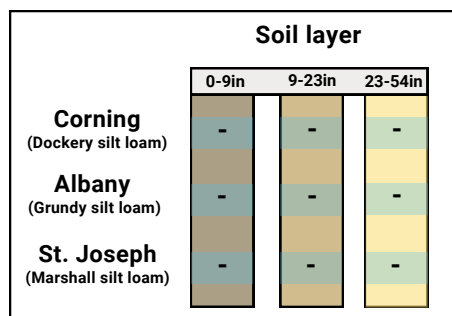
End of cycle

Planting date: 04-05-2024

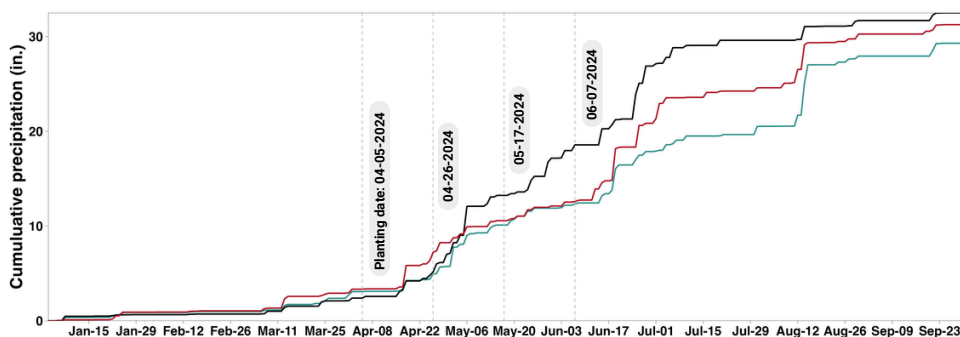
04-26-2024

05-17-2024

06-07-2024



### Rainfall



### Drought Stress

Planting date:	MG 3	MG 4	MG 5
04-05-2024	-	-	-
04-26-2024	-	-	-
05-17-2024	-	-	-
06-07-2024	10%	20%	21%

Drought stress is estimated by the cumulative crop transpiration reduction.