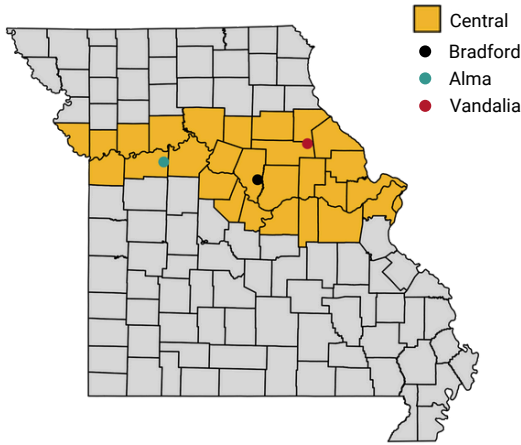




SOYBEAN GROWTH MONITORING

WEEK: 10-01-CENTRAL-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 is expected. However, for June-planted fields, late-maturity groups are expected to have a smaller yield reduction due to the rainfall from last weekend. Low test weight is expected.

2024 Relative Yield Prediction

Planting date:

04-05-2024	04-26-2024	05-17-2024	06-07-2024																																																
<table border="0"> <tr> <td>MG 3</td> <td>MG 4</td> <td>MG 5</td> </tr> <tr> <td>↑</td> <td>↑</td> <td>↑</td> </tr> <tr> <td>+29%</td> <td>+28%</td> <td>+21%</td> </tr> <tr> <td>End of cycle</td> <td>End of cycle</td> <td></td> </tr> </table>	MG 3	MG 4	MG 5	↑	↑	↑	+29%	+28%	+21%	End of cycle	End of cycle		<table border="0"> <tr> <td>MG 3</td> <td>MG 4</td> <td>MG 5</td> </tr> <tr> <td>↑</td> <td>↑</td> <td>↑</td> </tr> <tr> <td>+25%</td> <td>+23%</td> <td>+20%</td> </tr> <tr> <td>End of cycle</td> <td>End of cycle</td> <td></td> </tr> </table>	MG 3	MG 4	MG 5	↑	↑	↑	+25%	+23%	+20%	End of cycle	End of cycle		<table border="0"> <tr> <td>MG 3</td> <td>MG 4</td> <td>MG 5</td> </tr> <tr> <td>↑</td> <td>↑</td> <td>↑</td> </tr> <tr> <td>+22%</td> <td>+14%</td> <td>16%</td> </tr> <tr> <td>End of cycle</td> <td></td> <td></td> </tr> </table>	MG 3	MG 4	MG 5	↑	↑	↑	+22%	+14%	16%	End of cycle			<table border="0"> <tr> <td>MG 3</td> <td>MG 4</td> <td>MG 5</td> </tr> <tr> <td>↓</td> <td>↓</td> <td></td> </tr> <tr> <td>-6%</td> <td>-6%</td> <td>0%</td> </tr> <tr> <td>End of cycle</td> <td></td> <td></td> </tr> </table>	MG 3	MG 4	MG 5	↓	↓		-6%	-6%	0%	End of cycle		
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• 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	20	End of cycle
MG 4 R7	25	End of cycle
MG 5 R7	20	10/06 ± 1 days

04-26-2024

Stage	Nodes	Harvest
R7	20	End of cycle
R7	24	End of cycle
R7	20	10/10 ± 1 days

05-17-2024

Stage	Nodes	Harvest
R7	19	End of cycle
R7	22	10/03 ± 1 days
R7	19	10/17 ± 2 days

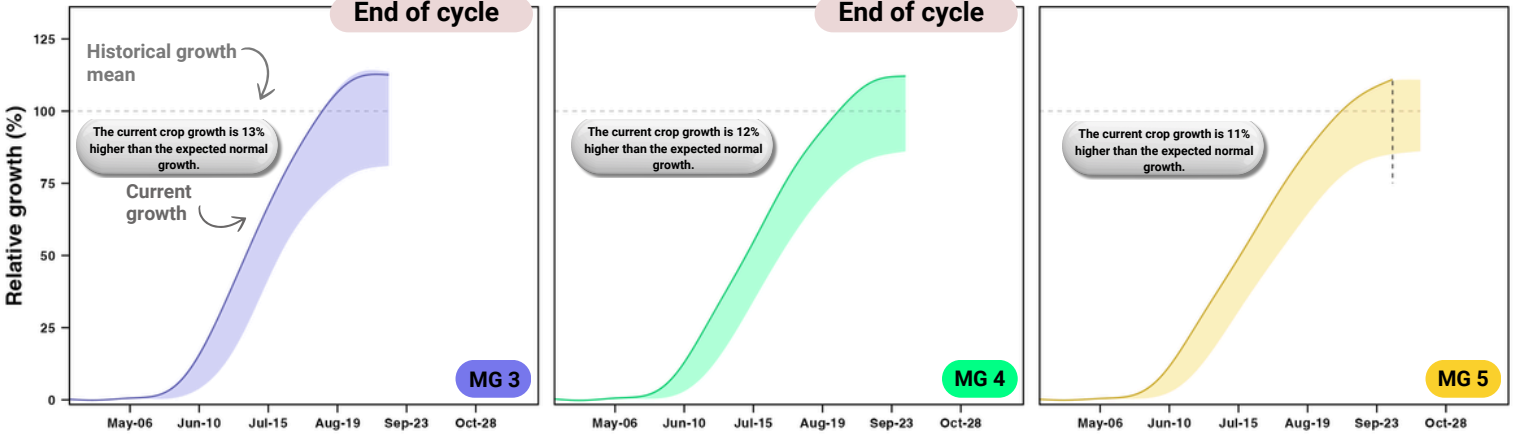
06-07-2024

Stage	Nodes	Harvest
R7	17	End of cycle
R7	20	10/10 ± 2 days
R6	17	10/24 ± 2 days

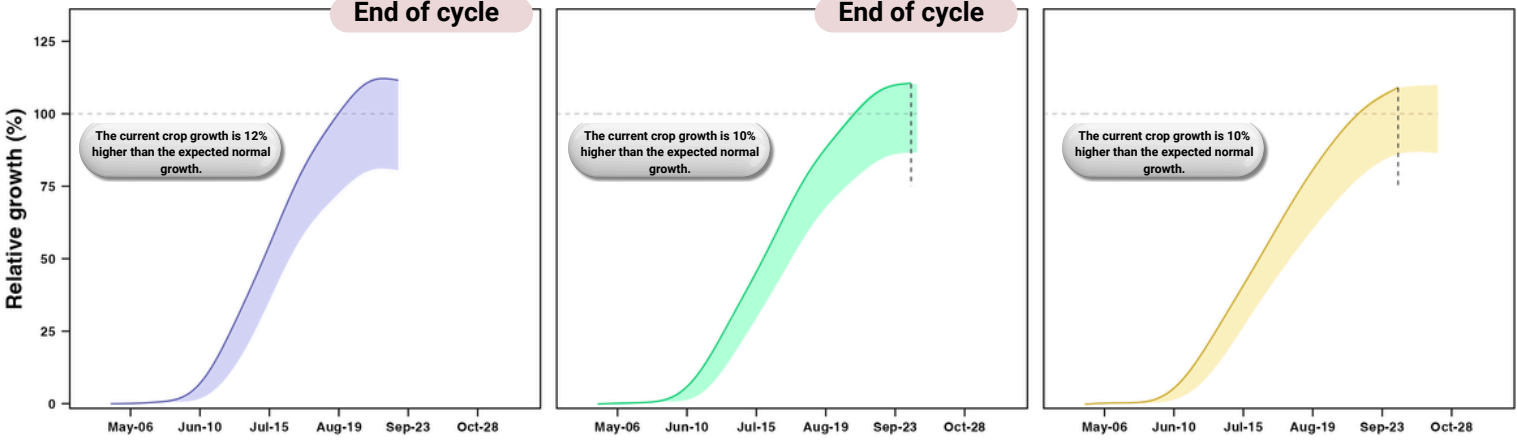
The stage and nodes indicate the current crop development as of the date of this report.

End-of-season growth prediction

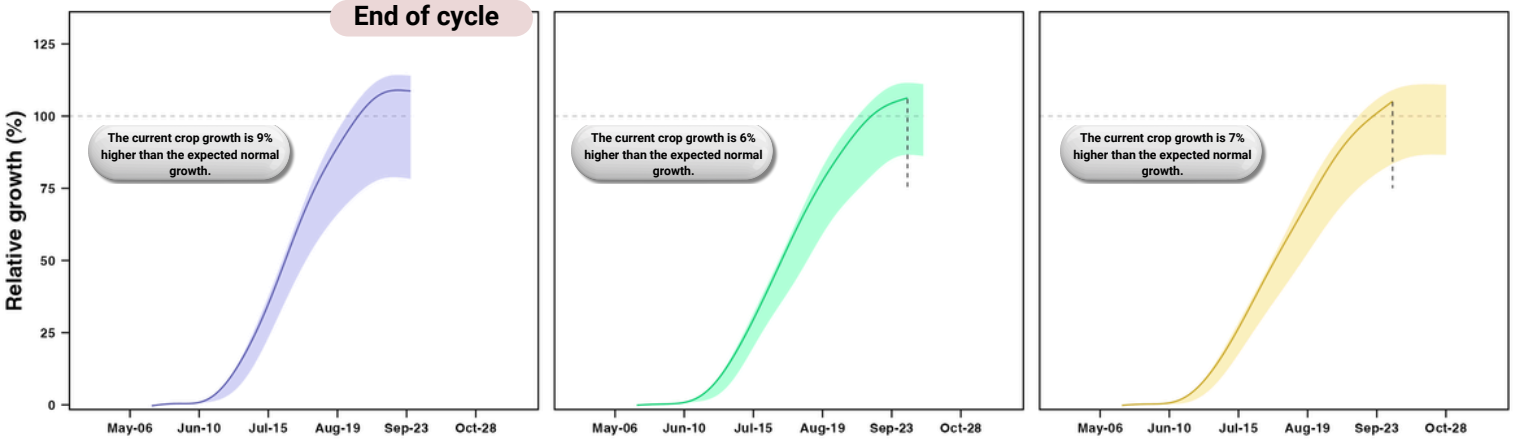
Planting date: 04-05-2024



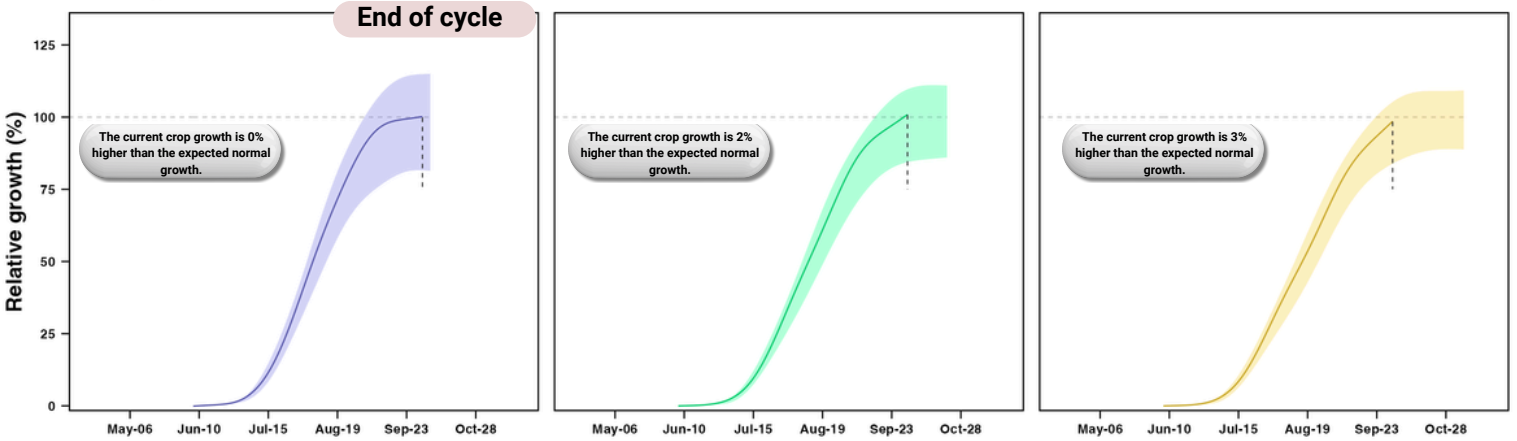
Planting date: 04-26-2024



Planting date: 05-17-2024



Planting date: 06-07-2024



Normal growth distribution
 Current growth
 Current growth distribution MIN/MAX

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.

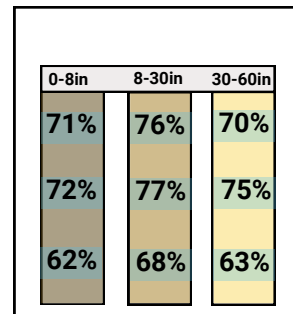
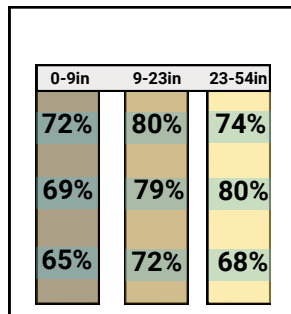
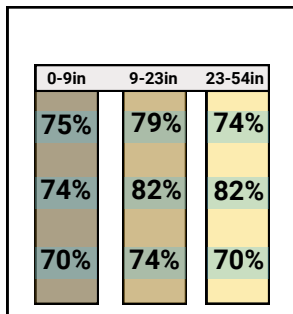
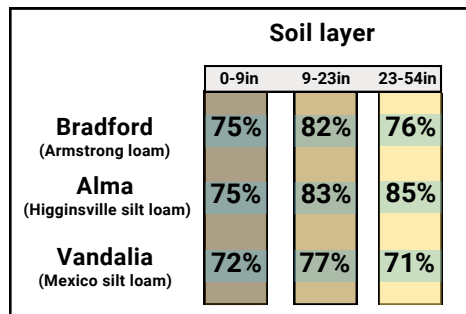
Soil water content

Planting date: 04-05-2024

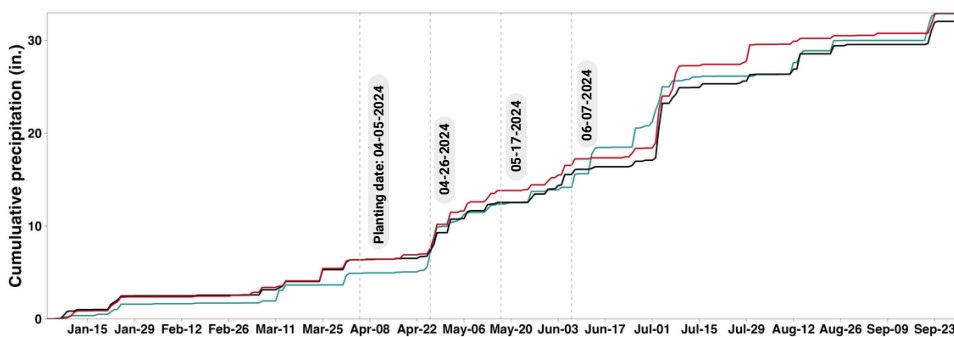
04-26-2024

05-17-2024

06-07-2024



Rainfall



Drought Stress

Planting date:	MG 3	MG 4	MG 5
04-05-2024	-	-	1%
04-26-2024	-	-	0%
05-17-2024	-	5%	0%
06-07-2024	-	18%	5%

Drought stress is estimated by the cumulative crop transpiration reduction.