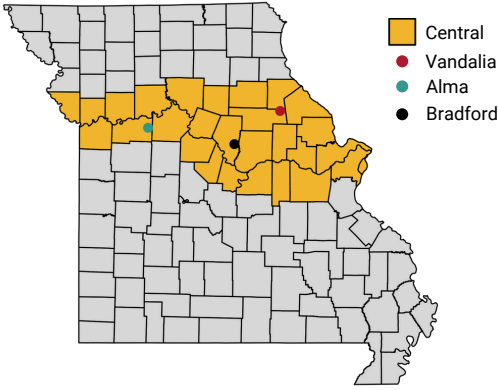




SOYBEAN GROWTH MONITORING

WEEK: 05/28 - CENTRAL - MO



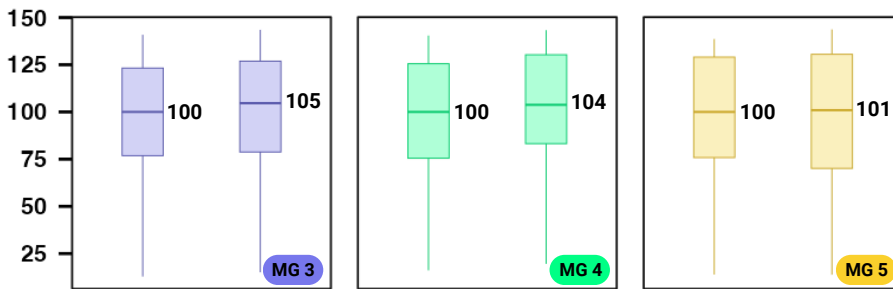
- Current vegetative growth is ahead of the expected growth in a normal year for all planting dates and maturity group scenarios.

- The expected total shoot growth at the end of the 2024 season for the 04-05 and 04-26 planting dates will likely be greater than in a normal year.

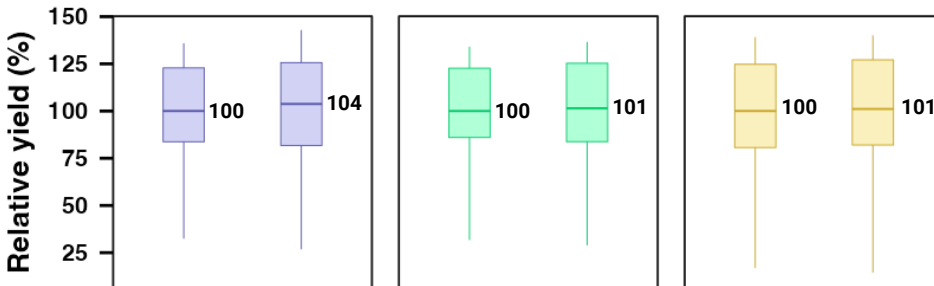
-Yield components haven't yet started to develop; therefore, the yield prediction for 2024 follows roughly the same trend as in a normal year.

2024 Relative Yield Prediction

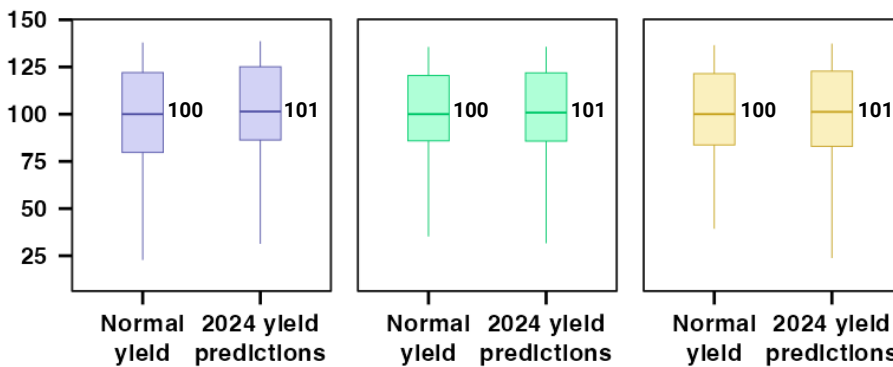
Planting date: 04-05-2024



Planting date: 04-26-2024



Planting date: 05-17-2024



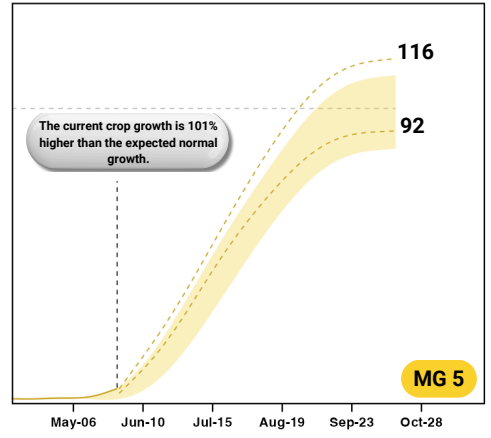
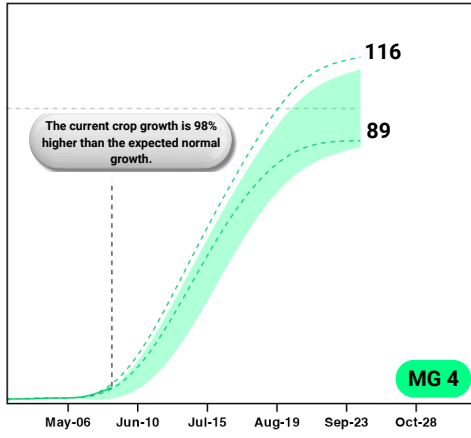
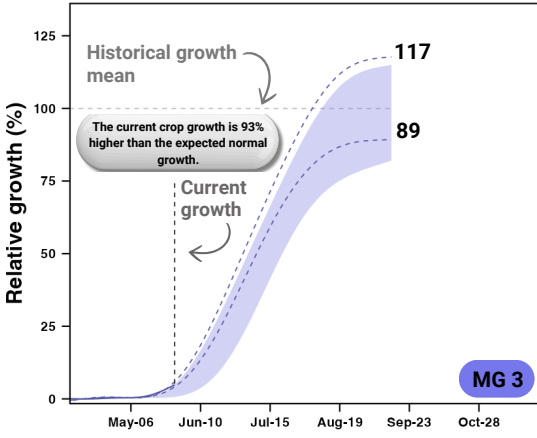
The 2024 yield prediction for a 3.0 MG planted on 04/05 is expected to be 5% higher than the normal yield.

The normal yield is the average expected yield for a specific location, based on weather scenarios observed over the past 40 years.

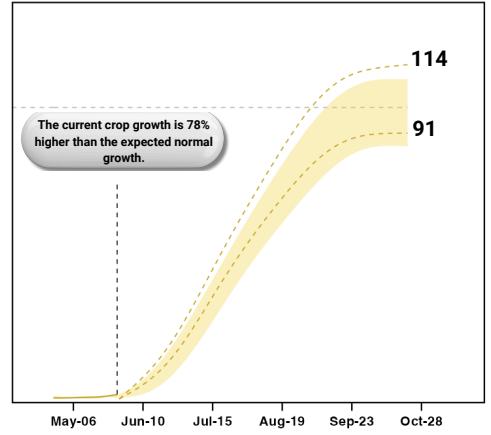
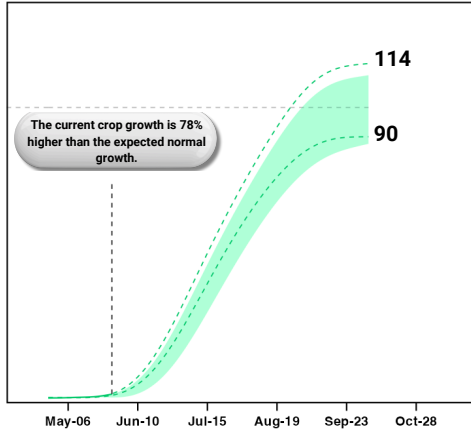
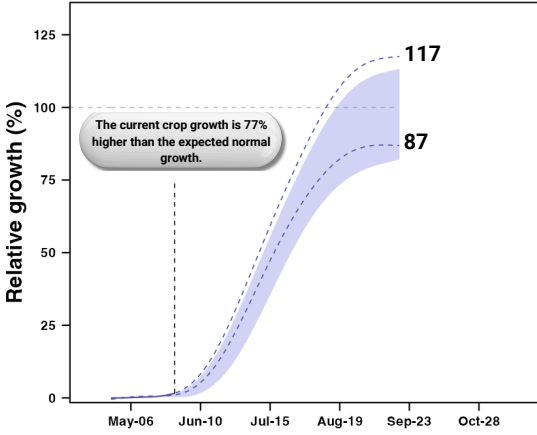
- Obs 1: The 2024 yield prediction is relative to the normal yield of the same maturity MG planted on the same date.
- Obs 2: The normal yield is the average yield expected from simulating a current crop variety using 40 years of historical weather data for a specific location and planting date.
- Obs 3: The normal yield serves as the 100% baseline for the 2024 yield prediction.

End-of-season growth prediction

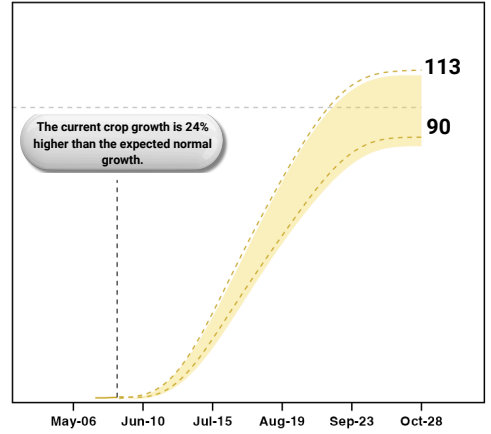
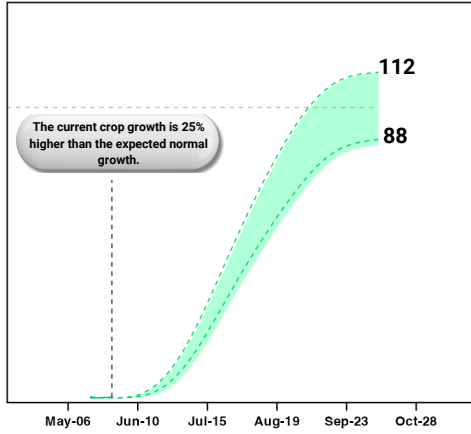
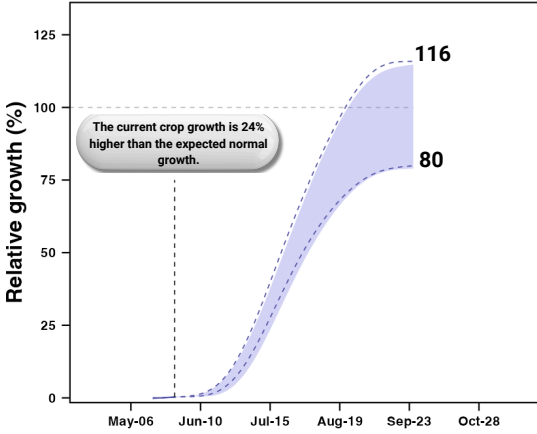
Planting date: 04-05-2024



Planting date: 04-26-2024



Planting date: 05-17-2024



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

Soil layer	Soil layer		
	0-9in	9-23in	23-54in
Bradford (Armstrong loam)	64%	86%	85%
Alma (Higginsville silt loam)	64%	84%	85%
Vandalia (Mexico silt loam)	61%	74%	73%

Soil layer	Soil layer		
	0-9in	9-23in	23-54in
Bradford (Armstrong loam)	60%	90%	89%
Alma (Higginsville silt loam)	64%	85%	88%
Vandalia (Mexico silt loam)	70%	80%	79%

Soil layer	Soil layer		
	0-9in	9-23in	23-54in
Bradford (Armstrong loam)	64%	91%	95%
Alma (Higginsville silt loam)	68%	86%	90%
Vandalia (Mexico silt loam)	76%	85%	87%

Soil layer	Soil layer		
	0-8in	8-30in	30-60in
Bradford (Armstrong loam)	--	--	--
Alma (Higginsville silt loam)	--	--	--
Vandalia (Mexico silt loam)	--	--	--

Growth Cycle

Planting date: 04-05-2024

04-26-2024

05-17-2024

06-07-2024

Stage	Nodes	Harvest
MG 3 V6 6	08/19 ± 3 days	
MG 4 V6 6	09/04 ± 3 days	
MG 5 V6 6	09/17 ± 4 days	

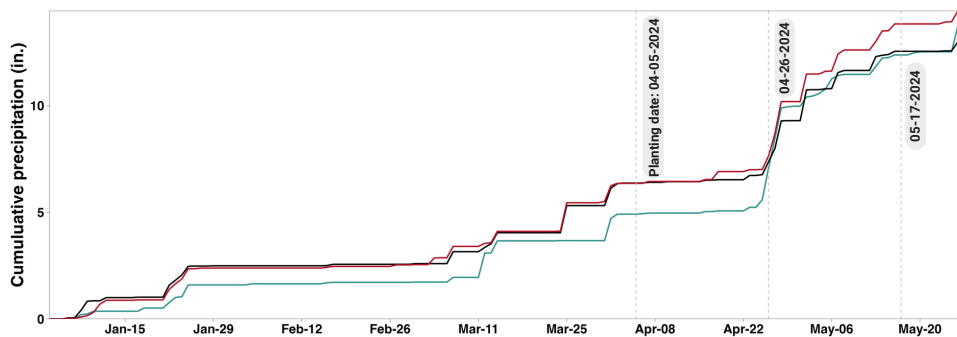
Stage	Nodes	Harvest
V4 4	08/28 ± 3 days	
V4 4	09/12 ± 3 days	
V4 4	09/24 ± 4 days	

Stage	Nodes	Harvest
V1 1	09/07 ± 3 days	
V1 1	09/21 ± 3 days	
V1 1	10/02 ± 5 days	

Stage	Nodes	Harvest
-- --	-- ± days	
-- --	-- ± days	
-- --	-- ± days	

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

Rainfall



Drought Stress

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

Drought stress is estimated by the cumulative crop transpiration reduction.