

Soybean Report as of May 31, 2023

SCHWARTZ FARMS FINISHED PLANTING!

DROUGHT? UNWELCOMED WEATHER FOR THE MIDWEST UNITED STATES

Comments provided by Schwartz Farms – John King and Dan Schwartz: schwartzfarms@aol.com

Schwartz Farms has finished planting, which consisted of 1,735 acres of Soybeans for this 2023 crop year. 90% of Schwartz Farms contract growers have also completed their soybean planting. Our focus has shifted to prayers for some rain in our future forecast. See this issue of Schwartz Farms crop report below.

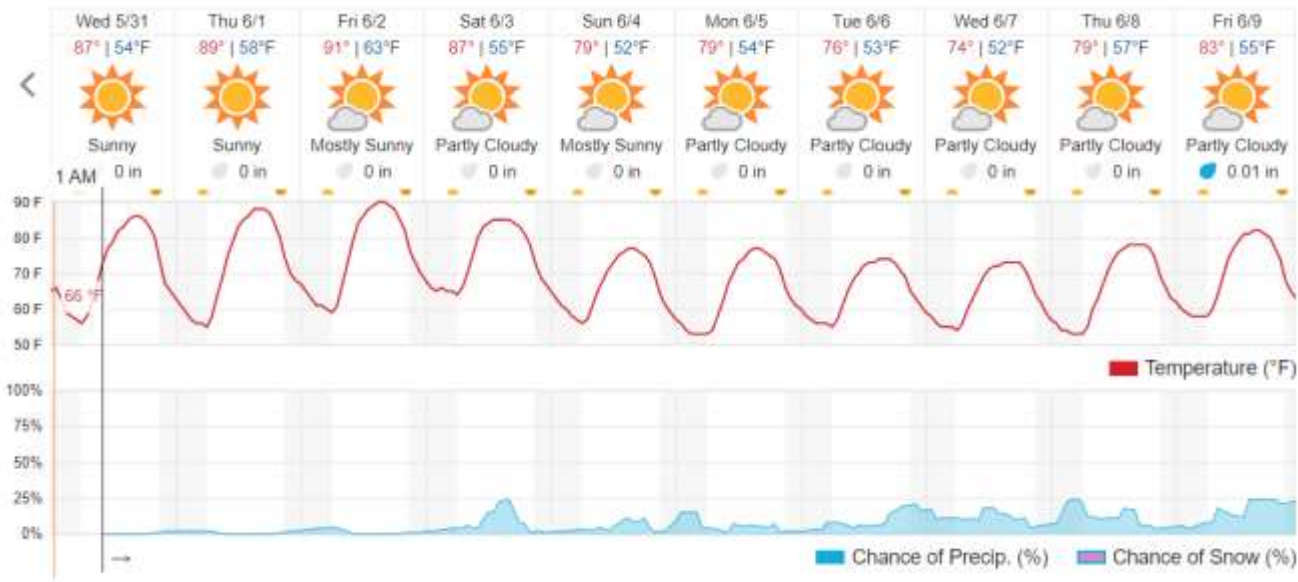
Weather Forecast

Month of May:

May		2023		View		
SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
30 Cloudy Actual: 56° 42° 0.03 in	1 Scattered Showers Actual: 46° 38° 0.13 in	2 Scattered Showers Actual: 43° 36° 0.37 in	3 Scattered Showers Actual: 47° 35° 0.29 in	4 Cloudy Actual: 57° 42° 0.04 in	5 Mostly Sunny Actual: 65° 35° 0.01 in	6 Mostly Cloudy Actual: 74° 40° 0 in
7 Cloudy Actual: 70° 57° 0 in	8 Cloudy Actual: 69° 53° 0.03 in	9 Mostly Sunny Actual: 68° 44° 0 in	10 Mostly Sunny Actual: 71° 40° 0 in	11 Partly Cloudy Actual: 80° 42° 0 in	12 Mostly Cloudy Actual: 82° 48° 0 in	13 Cloudy Actual: 74° 60° 0 in
14 Mostly Cloudy Actual: 72° 50° 0.02 in	15 Mostly Sunny Actual: 74° 46° 0 in	16 Mostly Cloudy Actual: 75° 43° 0 in	17 Mostly Sunny Actual: 59° 39° 0 in	18 Mostly Sunny Actual: 72° 32° 0 in	19 Mostly Cloudy Actual: 74° 57° 0 in	20 Cloudy Actual: 67° 50° 0.15 in
21 Partly Cloudy Actual: 73° 46° 0.38 in	22 Mostly Sunny Actual: 75° 43° 0 in	23 Mostly Cloudy Actual: 77° 52° 0 in	24 Mostly Sunny Actual: 77° 50° 0 in	25 Mostly Cloudy Actual: 64° 42° 0 in	26 Mostly Sunny Actual: 72° 43° 0 in	27 Mostly Cloudy Actual: 78° 44° 0 in
28 Mostly Cloudy Actual: 82° 49° 0 in	29 Mostly Sunny Actual: 87° 53° 0 in	30 Mostly Sunny Actual: 85° 58° 0 in	31 Sunny Forecast: 87° 54° 0 in	1 Sunny Forecast: 89° 58° 0 in	2 Mostly Sunny Forecast: 91° 63° 0 in	3 Partly Cloudy Forecast: 87° 55° 0 in

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Next 10 Days:



Daily Observations

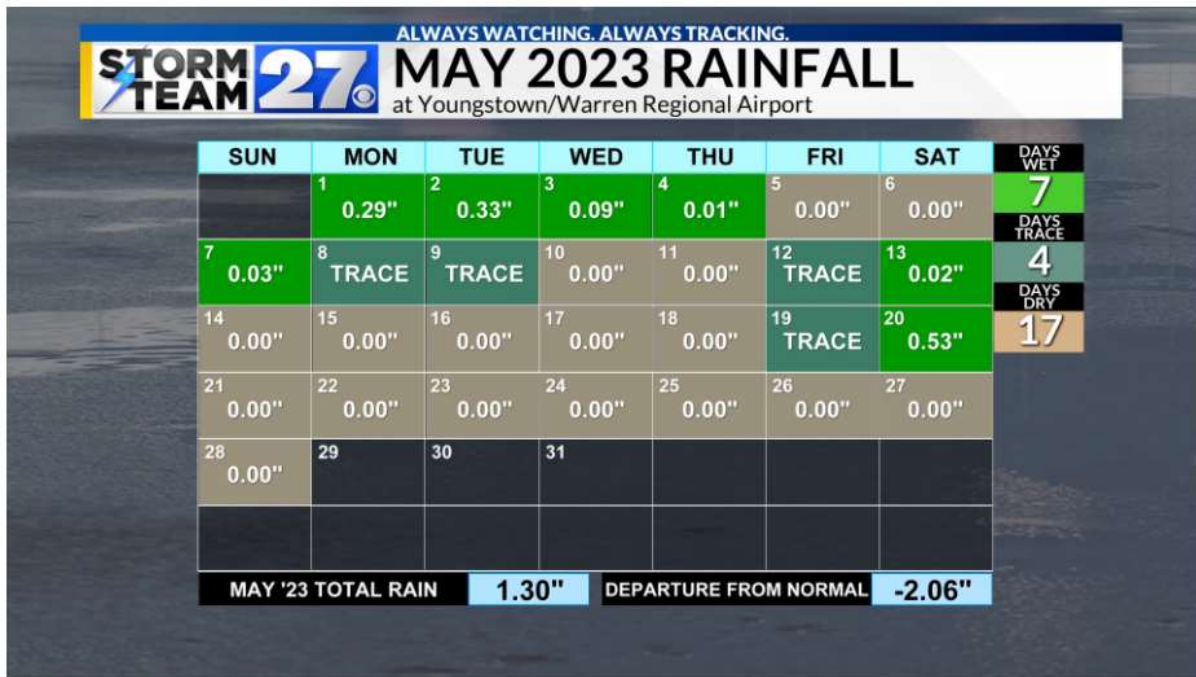
Time	Temperature (°F)			Dew Point (°F)			Humidity (%)			Wind Speed (mph)			Pressure (in)			Precipitation
	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	
May																
21	73	59.0	46	49	43.4	37	93	61.2	30	12	6.2	0	28.9	28.8	28.8	0.38
22	75	60.2	43	48	44.1	40	90	59.3	34	9	4.5	0	28.9	28.9	28.9	0.00
23	77	65.4	52	54	48.4	45	80	56.5	34	13	6.9	3	29.0	28.9	28.9	0.00
24	77	64.7	50	55	47.7	37	69	54.8	43	20	10.5	0	28.9	28.9	28.8	0.00
25	64	52.4	42	40	37.2	34	82	58.5	37	14	9.1	6	29.0	28.9	28.9	0.00
26	72	57.2	43	39	34.7	32	71	46.4	25	12	8.2	3	29.1	29.0	29.0	0.00
27	78	62.3	44	46	39.5	35	77	47.3	21	12	7.1	3	29.1	29.0	28.9	0.00

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Summary

Temperature (°F)	Max	Average	Min	▲
Max Temperature	78	73.71	64	
Avg Temperature	65.38	60.17	52.38	
Min Temperature	52	45.71	42	
Dew Point (°F)	Max	Average	Min	▲
Dew Point	55	42.14	32	
Precipitation (in)	Max	Average	Min	Sum ▲
Precipitation	0.38	0.05	0.00	0.38
Snowdepth	0.00	0.00	0.00	0.00
Wind (mph)	Max	Average	Min	▲
Wind	20	7.51	0	
Gust Wind	25	0.97	0	
Sea Level Pressure (in)	Max	Average	Min	▲
Sea Level Pressure	29.07	28.92	28.8	

Since the last report, the weather has been very dry with the temperatures ranging from 59-87 degrees. Recently it has been very warm and very dry. Total rainfall for May in our area is 1.30 inches, which is much lower than previous years. There are reports stating that this will be the driest month of May on record since the year 1934. For the whole month of May there have only been 7 days with measurable rainfall and 20 days (about 3 weeks) this month with no rainfall at all.



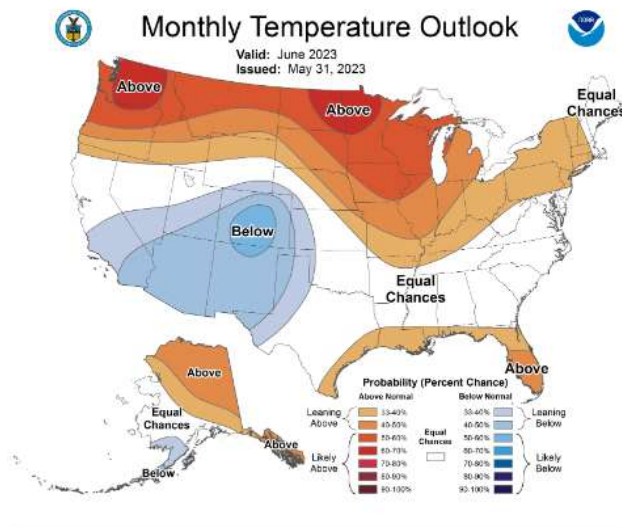
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The extended period forecast shows no sign of rain all the way through June 15th. However, on June 14th it says we may have a few scattered to isolated showers in northern Ohio, but coverage stays at 30% or less. This means we may end up with a very dry weather pattern through the middle of June. This is unwelcomed news for soybean growers in the Midwest United States.

Looking Ahead in June:

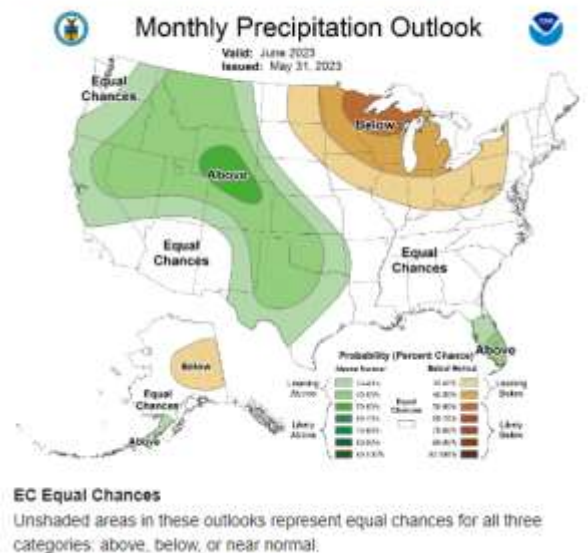
June Temperature Outlook

Blue = Colder Than Normal Brown = Warmer Than Normal



June Precipitation Outlook

Green = Wetter Than Normal Brown = Drier Than Normal



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The above picture is the projected soil moisture percentiles in June 2023. There is an increasing concern for drought in the upcoming weeks. We are hoping that this is not the case, but it is a strong possibility. This does not bode well for desired crop yields in 2023 crop. We are not in danger at the moment, but we need some rain the next 2 weeks.

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Crop Progress Update

The State of Ohio:

For Ohio, the recent mild sunny weather has significantly accelerated planting progress, but there is an increased concern with the lack of rain. It was reported that last week some operators in the state of Ohio had to adjust their planting depths because of the lack of rainfall in the last couple of weeks. Overall, for the state of Ohio, corn and soybean planting reached 89 and 87 percent planted. Emergence for corn reached 54% and emergence for soybeans reached 45%. As you can see, the “planted” and “emergence” numbers in the state of Ohio in 2023 are significantly higher than the recorded 5-year average. This is due to the more than ideal planting conditions we have seen in the past month. However, our main concern is with the soybeans and corn planted in the past two weeks being able to emerge. With the dry spell there may be no more moisture available in the soil for the crops to germinate and emerge through the soil.

Soil Moisture: Week Ending 05/28/23

Item	Very short	Short	Adequate	Surplus
	(percent)	(percent)	(percent)	(percent)
Topsoil moisture	7	38	53	2
Subsoil moisture	2	27	68	3

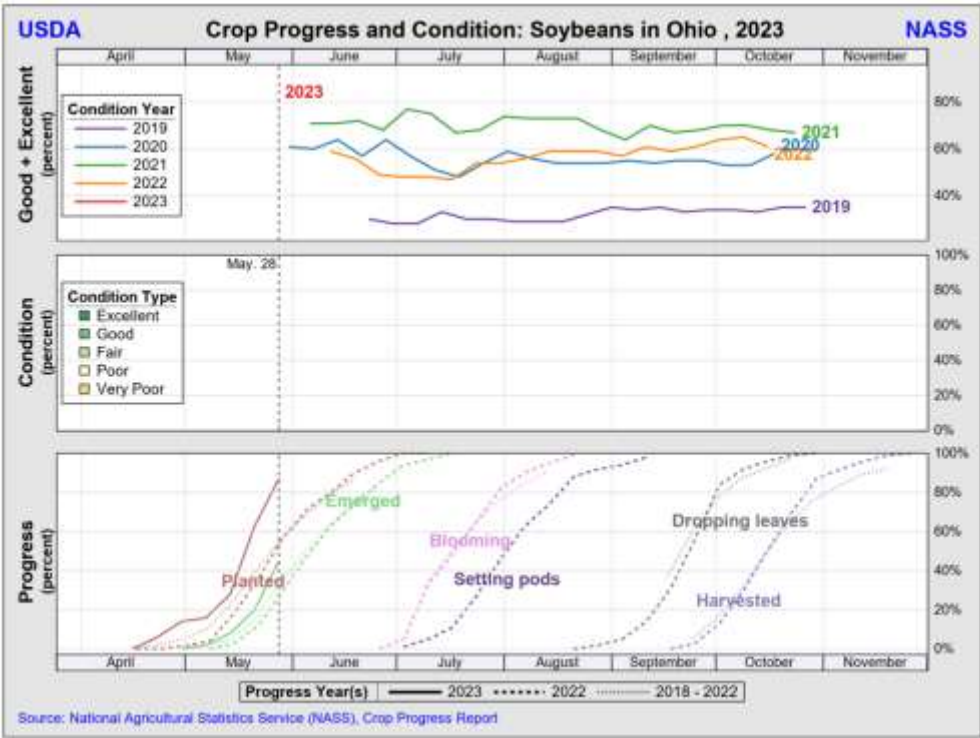
Crop Progress: Week Ending 05/28/23

Crop/Activity	Percent Completed			
	This week	Last week	Last year	5 Year average
Days Suitable for Fieldwork..	6.7	5.2	NA	NA
Corn Planted.....	89	66	69	68
Corn Emerged	54	21	47	46
Soybeans Planted.....	87	63	53	55
Soybeans Emerged	45	20	27	33
Winter Wheat Jointing.....	97	92	96	95
Winter Wheat Headed.....	75	26	60	60
Oats Planted	91	89	95	93
Oats Emerged.....	82	77	84	83
Oats Headed	3	NA	2	5
Hay Alfalfa 1 st Cutting.....	65	7	22	25
Other Hay 1 st Cutting	44	4	18	18

Crop Condition: Week Ending 05/28/23

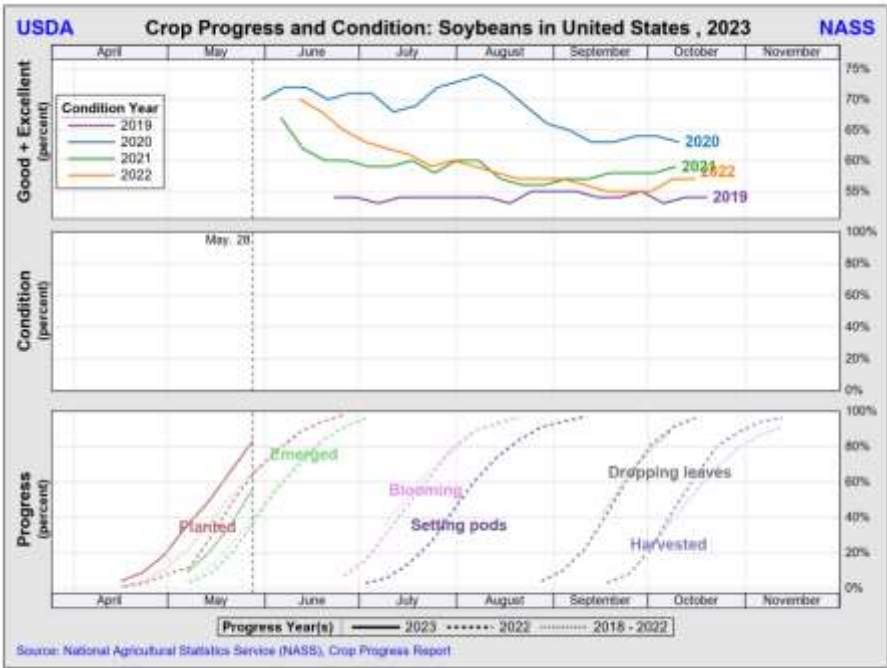
Crop	Very poor	Poor	Fair	Good	Excellent
	(percent)	(percent)	(percent)	(percent)	(percent)
Corn.....	1	1	17	71	10
Soybeans	1	2	16	74	7
Winter Wheat	1	3	24	55	17
Oats.....	0	1	22	58	19
Pasture and Range	0	8	18	63	11

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Above is the updated Crop Progress and Condition for soybeans in Ohio. 2023, so far, is better than the previous years.

United States:



Above is the updated Crop Progress and Condition Report for the soybeans in the United States.

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Schwartz Farms Crop Conditions:



Pictured above are some photos of the first soybean field that Schwartz farms planted on May 10th, 2023. The pictures were taken on May 24th, 2023. In the pictures you can see that these soybeans are about 2 inches tall. This soybean variety is MS32Q7.



The Picture above is the same field of MS32Q7 soybeans; this picture was taken on May 31, 2023. The soybeans are now just above 3 inches tall; 1 inch of growth in one week.

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These soybeans are the Variety IA3051RA12, which were planted on May 15th. The above picture was taken on May 24th, 2023. These soybeans are a little less than 1 inches tall.



The pictures above are the same IA3051RA12 soybeans. This picture was taken on May 31, 2023, the soybeans are now about 2.5 inches tall; 1.5 inches larger in one weeks time.

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In the picture above the soybean variety IA3054RA12 was planted on May 22nd. This photo was taken on May 24th, 2023. You can see that the germination process has begun, but on May 24th there was no emergence from the ground (these seeds were dug up for pictures).



The picture above is IA3054RA12; this photo was taken on May 31, 2023. When comparing this picture to the ones taken just one week ago you can see that this variety has emerged and grown 1 inch in one week.