

Climatological Record
University of Maryland - Salisbury Facility
27664 Nanticoke Road, Salisbury, MD 21801

January 2022													
		Air Temp			Total Solar	Relative Humidity			Total	Leaf	Daily Wind	Soil Temp	
Day	Date	F°			RAD	%			Rain	Wetness	Run	2" Depth	
		Max	Min	Avg	MJ m-2	Max	Min	Avg	Inches	Hour	Miles	Max	Min
Sat	1	67.73	51.22	57.66	0.851	99.90	74.59	98.10	0.63	23.72	15.3	114.70	85.10
Sun	2	66.74	52.05	58.38	0.855	99.90	59.44	94.90	0.67	22.99	18.98	114.40	89.10
Mon	3	52.23	19.12	31.21	0.48	100.00	58.57	93.70	0.55	18.63	15.12	89.10	54.71
Tues	4	30.68	13.36	21.47	4.997	100.00	77.01	92.20	0.45	24	15.15	66.59	52.21
Wed	5	43.64	16.15	33.59	2.064	100.00	87.70	98.30	0.47	22.82	15.28	66.49	52.93
Thurs	6	45.57	29.42	38.82	4.271	99.90	33.10	68.18	0.00	22.56	15.15	75.48	56.09
Fri	7	35.84	23.97	29.18	3.902	99.90	40.47	63.23	0.11	24	15.98	61.76	52.39
Sat	8	34.75	19.00	25.82	5.114	71.51	28.97	50.54	0.01	24	15.12	61.12	48.95
Sun	9	51.64	24.64	38.38	1.913	99.90	63.57	80.50	0.32	23.79	15.13	74.77	51.10
Mon	10	44.55	23.49	33.29	4.316	99.90	24.01	51.54	0.02	24	20.85	71.60	51.03
Tues	11	28.04	16.88	23.48	5.19	73.49	28.68	45.22	0.00	24	15.87	52.73	47.47
Wed	12	42.95	16.46	31.24	4.86	75.07	30.99	54.14	0.00	24	15.12	58.97	46.99
Thurs	13	47.08	25.49	36.36	3.007	88.70	40.65	66.26	0.00	24	15.12	68.44	50.45
Fri	14	47.97	29.24	38.05	4.566	84.50	44.86	63.14	0.00	24	15.68	77.25	54.68
Sat	15	29.54	19.00	23.05	3.668	55.20	20.54	33.53	0.00	24	15.34	54.68	48.26
Sun	16	53.22	14.63	28.68	1.419	99.90	35.35	71.63	1.18	23.98	15.13	78.53	45.22
Mon	17	53.34	32.63	38.85	3.39	99.90	34.30	60.42	0.23	24	15.12	81.30	54.90
Tues	18	39.20	24.09	33.1	3.827	83.90	36.13	52.94	0.00	24	15.12	64.13	50.62
Wed	19	50.88	22.82	39.56	5.21	85.30	32.95	53.28	0.00	24	15.21	74.95	49.89
Thurs	20	48.30	27.11	35.6	0.757	100.00	44.02	82.50	0.27	21.2	15.35	67.74	54.46
Fri	21	27.35	17.35	21.85	3.96	73.75	45.31	54.21	0.00	24	26.73	54.46	48.44
Sat	22	32.80	18.21	23.75	5.612	87.40	42.78	64.58	0.05	24	15.13	56.75	47.65
Sun	23	38.52	16.03	27.21	5.156	100.00	35.18	67.18	0.00	24	15.32	62.77	49.09
Mon	24	40.76	21.85	31.42	5.343	94.90	42.10	69.89	0.00	24	15.53	69.64	50.18
Tues	25	43.33	30.39	38.3	1.149	75.50	53.24	62.40	0.00	24	15.47	68.80	55.32
Wed	26	30.70	20.09	26.79	5.925	61.42	28.34	40.71	0.00	24	15.16	58.62	49.66
Thurs	27	37.24	12.63	24.23	6.057	81.90	28.19	55.89	0.00	24	15.12	61.77	47.91
Fri	28	40.11	24.76	31.95	3.179	99.90	36.54	61.45	0.00	24	15.12	61.80	52.41
Sat	29	30.26	18.81	23.17	3.673	100.00	31.73	70.74	0.00	24	16.75	58.62	52.35
Sun	30	28.16	7.35	20.45	6.087	68.45	28.11	43.57	0.00	24	15.13	60.87	46.28
Mon	31	39.06	15.19	26.94	5.59	83.00	49.63	64.23	0.14	24.00	15.14	68.05	48.49
Avg		42.01	22.69	31.99									
Sum									5.10				
10 Yr Avg		45.12	27.37	36.30					5.05				

OBSERVATION TIME: MIDNIGHT TO MIDNIGHT

SENSOR DESCRIPTION and LOCATION: Sensor heights are 6 ft. height over grass, soil temperature sensors are in a vegetation-free area at 2-inch depth.

Aspirated sensor for air temperature and humidity

Weather Station Location: N38° 22.474, W 075° 39.461

Irrigation of 1.0 inch was applied when rainfall was less than 0.7 inches.

Radiation (RAD) measured as total irradiance in megajoules/m2

Weather Station Location: N 38° 22.474, W 075° 39.461

Climatological Record
University of Maryland - Salisbury Facility
27664 Nanticoke Road, Salisbury, MD 21801

February 2022													
Day	Date	Air Temp			Total Solar	Relative Humidity			Total	Leaf	Daily Wind	Soil Temp	
		F°			RAD	%			Rain	Wetness	Run	2" Depth	
		Max	Min	Avg	MJ m-2	Max	Min	Avg	Inches	Hour	Miles	Max	Min
Sat	1	41.89	20.81	29.86	6.237	99.90	48.67	75.28	0.00	24	15.14	67.65	51.81
Sun	2	46.64	22.52	33.42	3.787	100.00	74.81	95.60	0.00	24	15.13	69.90	52.08
Mon	3	59.63	32.50	46.22	2.376	100.00	63.99	86.50	0.03	24	15.14	94.50	58.14
Tues	4	62.21	31.35	51.39	0.825	99.90	76.05	87.90	0.46	22.78	15.12	115.40	66.14
Wed	5	32.73	23.48	29.72	6.081	89.50	33.71	56.38	0.00	24	15.54	68.24	53.03
Thurs	6	36.78	18.77	28.08	5.241	82.10	42.30	58.53	0.00	24	17.37	67.33	49.80
Fri	7	41.08	33.00	36.59	1.715	99.90	81.20	91.90	0.62	23.06	15.17	78.04	62.52
Sat	8	44.77	27.80	37.26	4.922	99.90	44.46	79.62	0.08	23.62	15.13	83.70	58.47
Sun	9	54.19	24.88	38.25	6.823	100.00	26.32	67.45	0.00	24	15.32	100.50	55.47
Mon	10	57.64	33.13	44.46	6.815	85.30	28.77	56.98	0.00	24	15.14	104.80	59.80
Tues	11	62.49	29.55	47.66	6.931	84.30	18.25	49.10	0.00	24	15.23	118.70	57.28
Wed	12	61.97	43.65	53.40	6.585	72.81	30.09	45.50	0.00	24	15.19	122.40	75.04
Thurs	13	47.29	29.54	36.09	1.290	89.50	46.37	67.70	0.01	24	15.14	78.87	60.04
Fri	14	29.72	17.80	24.49	6.310	80.60	29.70	56.99	0.00	24	16.22	64.62	50.32
Sat	15	35.78	14.58	24.94	7.272	81.70	29.42	54.87	0.00	24	15.24	73.98	53.72
Sun	16	54.15	24.64	40.10	6.621	80.90	33.61	58.64	0.00	24	15.13	95.40	54.16
Mon	17	67.56	51.52	59.07	5.220	71.50	47.41	61.46	0.00	24	15.12	147.50	78.38
Tues	18	65.24	30.33	49.28	4.853	89.20	36.80	60.03	0.12	23.99	15.13	126.20	65.04
Wed	19	49.21	20.82	32.98	7.279	84.70	20.46	49.22	0.00	24	15.12	91.10	54.98
Thurs	20	40.46	16.52	28.89	7.894	67.84	18.30	39.80	0.00	24	15.13	86.20	51.08
Fri	21	59.76	27.44	43.68	7.787	99.90	29.08	62.09	0.00	24	15.13	123.80	57.29
Sat	22	65.10	44.98	58.78	2.333	88.50	59.78	71.41	0.00	24	15.15	138.50	78.96
Sun	23	65.39	45.50	59.55	4.649	99.80	39.79	75.77	0.18	24	15.12	185.00	94.60
Mon	24	45.75	32.87	36.78	1.397	99.90	41.09	63.41	0.05	23.75	15.12	94.60	72.79
Tues	25	50.21	31.72	38.89	3.309	99.90	52.56	86.90	0.06	23.26	15.14	102.60	70.98
Wed	26	38.83	29.36	33.56	4.885	73.62	40.18	55.78	0.00	24	15.13	84.60	64.54
Thurs	27	47.56	30.39	37.77	5.828	99.90	28.09	68.42	0.00	24	15.12	101.90	65.59
Fri	28	45.35	28.10	36.30	8.010	78.57	23.12	49.37	0.00	24	15.18	100.70	60.89
Avg		50.34	29.20	39.91									
Sum									1.61				
10 Yr Avg		47.78	29.79	38.80					5.82				

OBSERVATION TIME: MIDNIGHT TO MIDNIGHT

SENSOR DESCRIPTION and LOCATION: Sensor heights are 6 ft. height over grass, soil temperature sensors are in a vegetation-free area at 2-inch depth.

Aspirated sensor for air temperature and humidity

Weather Station Location: N38° 22.474, W 075° 39.461

Irrigation of 1.0 inch was applied when rainfall was less than 0.7 inches.

Radiation (RAD) measured as total irradiance in megajoules/m2

Weather Station Location: N 38° 22.474, W 075° 39.461

Climatological Record
University of Maryland - Salisbury Facility
27664 Nanticoke Road, Salisbury, MD 21801

March 2022													
		Air Temp			Total Solar	Relative Humidity			Total	Leaf	Daily Wind	Soil Temp	
Day	Date	F°			RAD	%			Rain	Wetness	Run	2" Depth	
		Max	Min	Avg	MJ m-2	Max	Min	Avg	Inches	Hour	Miles	Max	Min
Tues	1	56.87	26.10	42.97	6.69	86.30	32.39	58.12	0.00	24	15.18	117.20	60.11
Wed	2	57.33	33.48	47.07	7.22	90.30	37.17	60.45	0.00	24	15.19	135.50	67.45
Thurs	3	53.37	36.99	46.6	2.62	87.60	21.92	52.79	0.00	24	15.52	107.30	74.40
Fri	4	41.43	24.10	32.79	8.85	72.35	18.16	39.01	0.00	24	15.31	99.00	57.82
Sat	5	55.10	30.10	43.42	7.40	88.60	34.90	61.91	0.00	24	15.19	127.50	65.25
Sun	6	71.56	54.01	64.05	4.39	86.60	54.82	70.81	0.00	24	15.13	-7999.00	-7999.00
Mon	7	74.98	59.85	66.77	6.83	88.30	47.39	64.50	0.15	23.93	15.12	-7999.00	-7999.00
Tues	8	60.17	39.78	46.88	8.47	87.90	29.53	49.86	0.01	24	15.13	144.60	85.20
Wed	9	44.55	37.96	40.76	1.08	100.00	62.64	91.30	0.83	23.89	15.15	90.20	80.20
Thurs	10	48.39	34.03	39.83	6.35	100.00	49.28	80.40	0.00	24	15.13	111.10	74.45
Fri	11	59.27	27.98	42.36	8.87	100.00	43.58	80.60	0.00	24	15.12	164.60	66.27
Sat	12	51.94	24.39	37.38	1.41	100.00	33.64	81.90	1.14	23.15	15.12	102.20	66.79
Sun	13	36.90	20.82	29.01	9.70	67.58	23.07	43.59	0.00	24	15.12	89.10	62.21
Mon	14	56.62	25.12	41.62	9.16	87.00	30.17	56.43	0.00	24	15.17	133.20	59.43
Tues	15	65.93	35.49	50.85	9.01	88.70	21.39	53.52	0.00	24	15.12	173.90	67.80
Wed	16	65.82	37.41	53.52	8.51	88.70	30.82	56.46	0.00	24	15.12	168.70	74.82
Thurs	17	61.66	50.91	55.70	2.16	99.90	74.38	97.20	0.44	23.87	15.74	140.10	97.10
Fri	18	70.09	49.64	57.81	8.54	99.90	42.08	82.10	0.00	24	15.14	-7999.00	-7999.00
Sat	19	74.62	55.09	65.14	8.74	87.20	43.28	68.45	0.00	24	15.13	-7999.00	-7999.00
Sun	20	67.42	46.86	55.72	7.70	70.21	33.40	47.73	0.00	24	15.13	177.10	97.80
Mon	21	62.74	36.02	51.36	10.06	68.49	23.89	42.78	0.00	24	15.13	202.80	78.72
Tues	22	67.60	39.13	52.1	9.64	99.90	26.67	61.82	0.00	24	15.16	-7999.00	-7999.00
Wed	23	61.88	42.64	49.94	3.27	99.90	49.59	78.22	0.20	24	58.28	125.20	86.40
Thurs	24	65.97	60.57	63.59	1.45	99.90	81.00	92.60	0.57	24	15.12	180.10	125.30
Fri	25	62.64	48.12	53.08	6.58	99.90	34.18	72.80	0.00	24	15.24	184.80	101.50
Sat	26	52.23	37.35	45.05	6.74	87.50	28.73	64.39	0.04	23.88	15.12	125.20	85.00
Sun	27	43.39	32.57	38.83	4.94	65.43	30.38	45.42	0.00	24	15.14	93.30	72.34
Mon	28	37.95	26.64	31.87	6.96	54.35	21.25	36.35	0.00	24	15.12	86.70	63.64
Tues	29	40.70	22.52	30.81	10.99	74.32	24.27	42.43	0.00	24	15.12	97.80	59.03
Wed	30	54.98	25.67	41.64	6.41	83.80	25.25	55.35	0.00	24	15.13	127.70	63.66
Thurs	31	67.65	53.09	61.99	3.10	89.10	67.50	80.10	0.13	24.00	15.13	185.50	100.80
Avg		57.80	37.88	47.76									
Sum									3.51				
10 Yr Avg		54.46	35.16	44.83					3.47				

OBSERVATION TIME: MIDNIGHT TO MIDNIGHT

SENSOR DESCRIPTION and LOCATION: Sensor heights are 6 ft. height over grass, soil temperature sensors are in a vegetation-free area at 2-inch depth.

Aspirated sensor for air temperature and humidity

Weather Station Location: N38° 22.474, W 075° 39.461

Irrigation of 1.0 inch was applied when rainfall was less than 0.7 inches.

Radiation (RAD) measured as total irradiance in megajoules/m2

Weather Station Location: N 38° 22.474, W 075° 39.461

Climatological Record
University of Maryland - Salisbury Facility
27664 Nanticoke Road, Salisbury, MD 21801

April 2022													
		Air Temp			Total Solar	Relative Humidity			Total	Leaf	Daily Wind	Soil Temp	
Day	Date	F°			RAD	%			Rain	Wetness	Run	2" Depth	
		Max	Min	Avg	MJ m-2	Max	Min	Avg	Inches	Hour	Miles	Max	Min
Fri	1	64.94	43.17	53.99	8.130	88.10	28.45	55.64	0.00	24	15.12	166.40	92.20
Sat	2	54.85	32.20	44.27	11.180	72.12	30.19	48.35	0.00	24	15.92	240.60	75.54
Sun	3	60.92	41.41	49.59	9.700	80.40	26.75	54.79	0.00	24	15.35	241.30	92.00
Mon	4	53.10	32.45	44.71	9.610	69.98	23.79	46.32	0.00	24	15.18	159.10	75.70
Tues	5	60.69	43.04	51.63	3.382	99.80	69.03	82.40	0.19	24	15.21	168.30	95.70
Wed	6	58.72	47.02	55.35	3.072	99.90	80.60	94.40	1.08	23.99	15.27	167.70	111.20
Thurs	7	63.96	45.82	53.38	2.216	99.90	86.00	98.00	0.25	23.49	23.53	216.50	106.90
Fri	8	61.70	41.29	51.26	10.190	99.90	25.67	68.46	0.00	19.76	44.71	-7999.00	-7999.00
Sat	9	55.07	44.36	49.14	6.768	92.40	36.28	64.16	0.02	24	16.03	181.90	102.00
Sun	10	51.69	33.79	44.79	6.908	82.80	32.50	52.51	0.00	24	34.59	125.20	82.00
Mon	11	61.33	29.92	45.81	11.440	99.90	29.65	60.17	0.00	24	15.31	-7999.00	-7999.00
Tues	12	74.01	46.43	60.20	8.260	99.90	38.77	66.43	0.00	24	15.15	-7999.00	-7999.00
Wed	13	80.30	51.64	67.93	9.470	87.30	39.03	59.34	0.00	24	15.13	-7999.00	-7999.00
Thurs	14	77.29	54.30	68.81	7.903	87.90	45.30	61.33	0.17	23.85	15.15	-7999.00	-7999.00
Fri	15	67.19	44.45	56.81	12.160	99.90	13.63	51.33	0.01	21.9	15.27	-7999.00	-7999.00
Sat	16	70.32	48.14	60.64	9.080	81.70	37.27	56.01	0.01	24	15.28	-7999.00	-7999.00
Sun	17	56.83	41.43	50.51	11.860	80.30	23.14	46.70	0.00	24	15.18	-7999.00	-7999.00
Mon	18	49.15	35.80	44.08	3.395	99.90	41.90	69.54	1.22	22.21	15.14	118.40	88.00
Tues	19	50.48	39.05	45.09	7.595	99.90	26.16	55.05	0.00	23.89	15.12	127.40	87.70
Wed	20	56.91	36.63	47.11	12.480	78.77	19.67	46.07	0.00	24	15.86	862.00	-459.70
Thurs	21	64.79	40.33	52.66	9.290	86.20	25.43	57.88	0.00	24	15.53	-7999.00	-7999.00
Fri	22	72.37	47.29	60.7	11.670	99.90	16.28	55.11	0.00	24	15.23	-7999.00	-7999.00
Sat	23	70.96	44.45	58.19	9.820	96.90	33.99	59.35	0.00	24	15.25	-7999.00	-7999.00
Sun	24	79.69	52.25	62.27	11.610	87.00	44.42	68.15	0.00	24	30.39	-7999.00	-7999.00
Mon	25	70.45	49.39	59.79	11.880	99.90	58.76	80.40	0.00	24	21.07	-7999.00	-7999.00
Tues	26	76.68	56.24	63.87	9.830	99.90	51.34	78.99	0.08	24	33.78	-7999.00	-7999.00
Wed	27	59.47	43.96	52.69	11.330	88.00	25.74	45.66	0.00	24	104.2	1442.00	-459.70
Thurs	28	55.24	36.09	44.45	12.750	74.99	19.10	42.97	0.00	24	101.2	244.50	84.30
Fri	29	60.26	29.80	46.68	13.060	82.60	11.00	41.42	0.00	24	73.52	-7999.00	-7999.00
Sat	30	66.04	31.25	49.88	12.580	87.30	14.03	48.20	0.00	24	38.85	-7999.00	-7999.00
Avg		63.51	42.11	53.21									
Sum									3.03				
10 Yr Avg		65.55	44.50	54.75					4.09				

OBSERVATION TIME: MIDNIGHT TO MIDNIGHT

SENSOR DESCRIPTION and LOCATION: Sensor heights are 6 ft. height over grass, soil temperature

sensors are in a vegetation-free area at 2-inch depth.

Aspirated sensor for air temperature and humidity

Weather Station Location: N38° 22.474, W 075° 39.461

Irrigation of 1.0 inch was applied when rainfall was less than 0.7 inches.

Radiation (RAD) measured as total irradiance in megajoules/m2

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Climatological Record
University of Maryland - Salisbury Facility
27664 Nanticoke Road, Salisbury, MD 21801

May 2022													
		Air Temp			Total Solar	Relative Humidity			Total	Leaf	Daily Wind	Soil Temp	
Day	Date	F°			RAD	%			Rain	Wetness	Run	2" Depth	
		Max	Min	Avg	MJ m-2	Max	Min	Avg	Inches	Hour	Miles	Max	Min
Sun	1	67.34	39.84	54.1	6.210	99.90	28.50	64.82	0.00	24	64.46	-7999.00	-7999.00
Mon	2	78.30	55.39	66.3	10.610	99.80	25.78	69.65	0.00	24	34.34	-7999.00	-7999.00
Tues	3	68.10	50.97	58.09	10.740	99.90	48.09	78.40	0.00	24	153.30	-7999.00	-7999.00
Wed	4	75.53	50.55	62.03	8.750	99.90	59.73	83.30	0.00	24	56.83	-7999.00	-7999.00
Thurs	5	64.98	56.42	60.29	4.281	99.80	56.33	75.44	0.00	24	45.11	1140.00	-459.70
Fri	6	67.56	51.28	58.22	6.319	99.90	53.25	81.90	0.41	23.95	94.60	-7999.00	-7999.00
Sat	7	53.39	45.88	50.6	1.837	99.90	86.40	97.50	0.69	23.4	112.6	116.90	93.10
Sun	8	50.79	44.07	46.75	3.738	99.90	44.46	76.70	0.15	23.97	130.6	106.40	88.20
Mon	9	62.96	44.26	53.52	12.890	58.90	15.45	34.52	0.00	24	91.2	229.80	81.70
Tues	10	61.05	51.09	56.05	7.841	62.34	22.71	40.50	0.00	24	122.9	144.00	93.60
Wed	11	60.85	50.18	55.27	6.587	99.80	23.66	59.50	0.04	23.98	83.00	143.10	87.70
Thurs	12	60.73	50.85	55.68	4.992	99.90	78.39	93.80	0.11	23.97	85.1	149.20	98.00
Fri	13	73.20	54.36	62.69	6.920	99.90	73.95	92.60	0.18	23.95	86.80	-7999.00	-7999.00
Sat	14	71.75	60.58	64.46	3.865	99.90	70.71	93.80	0.08	24	57.42	-7999.00	-7999.00
Sun	15	77.47	59.79	67.34	9.580	99.80	49.14	83.20	0.00	24	41.62	-7999.00	-7999.00
Mon	16	78.93	58.78	68.22	7.369	99.90	57.88	84.10	0.52	23.95	89.5	-7999.00	-7999.00
Tues	17	78.81	51.88	66.27	13.270	99.90	22.19	60.01	0.00	24	109.3	-7999.00	-7999.00
Wed	18	72.01	51.40	62.54	12.640	84.00	31.73	53.17	0.00	24	73.08	-7999.00	-7999.00
Thurs	19	80.90	58.66	69.55	11.930	99.80	42.57	65.57	0.15	24	113.2	-7999.00	-7999.00
Fri	20	87.80	62.06	76.04	9.740	92.00	45.46	67.25	0.00	24	99.6	-7999.00	-7999.00
Sat	21	88.90	72.15	80.5	12.440	70.31	39.85	58.22	0.00	24	157	-7999.00	-7999.00
Sun	22	85.20	68.02	76.78	12.440	99.80	54.62	68.71	0.02	24	175.9	-7999.00	-7999.00
Mon	23	74.96	59.92	67.88	10.090	99.80	41.32	68.30	0.00	24	54.87	-7999.00	-7999.00
Tues	24	60.42	54.85	57.38	3.934	99.80	65.50	83.20	0.94	23.43	93.60	160.80	120.00
Wed	25	66.86	55.70	60.15	7.395	94.70	36.80	68.16	0.00	24	120	217.20	116.80
Thurs	26	67.71	56.12	62.58	4.824	99.80	73.30	86.30	0.00	24	65.65	227.20	116.00
Fri	27	79.66	62.15	67.21	4.896	99.80	62.26	93.00	0.26	23.81	78.77	-7999.00	-7999.00
Sat	28	76.80	61.51	69.31	12.160	99.80	41.97	68.04	0.00	24	107.7	-7999.00	-7999.00
Sun	29	81.10	58.31	69.2	11.480	99.90	36.67	72.56	0.00	24	32.9	-7999.00	-7999.00
Mon	30	84.60	60.36	73.48	12.270	99.90	35.69	70.47	0.00	24	67.73	-7999.00	-7999.00
Tues	31	91.90	64.47	78.25	12.690	99.80	30.92	65.61	0.00	24	40.07	-7999.00	-7999.00
Avg		72.60	55.54	63.77									
Sum									3.55				
10 Yr Avg		74.2	55.03	64.04					4.59				

OBSERVATION TIME: MIDNIGHT TO MIDNIGHT

SENSOR DESCRIPTION and LOCATION: Sensor heights are 6 ft. height over grass, soil temperature sensors are in a vegetation-free area at 2-inch depth.

Aspirated sensor for air temperature and humidity

Weather Station Location: N38° 22.474, W 075° 39.461

Irrigation of 1.0 inch was applied when rainfall was less than 0.7 inches.

Radiation (RAD) measured as total irradiance in megajoules/m2

Weather Station Location: N 38° 22.474, W 075° 39.461

Climatological Record
University of Maryland - Salisbury Facility
27664 Nanticoke Road, Salisbury, MD 21801

June 2022

Day	Date	Air Temp			Total Solar	Relative Humidity			Total	Leaf	Daily Wind	Soil Temp	
		F°			RAD	%			Rain	Wetness	Run	2" Depth	
		Max	Min	Avg	MJ m-2	Max	Min	Avg	Inches	Hour	Miles	Max	Min
Wed	1	91.00	68.99	79.54	12.180	84.00	27.72	62.15	0.00	24	56.28	-7999.00	-7999.00
Thurs	2	89.30	64.33	74.11	11.810	99.90	35.07	77.49	0.79	23.7	51.44	-7999.00	-7999.00
Fri	3	76.99	60.25	70.26	9.220	99.80	28.48	75.09	0.00	24	43.78	-7999.00	-7999.00
Sat	4	82.00	58.92	70.09	12.600	92.40	20.59	56.10	0.00	24	27.67	-7999.00	-7999.00
Sun	5	71.99	55.47	65.25	13.470	99.80	22.93	56.11	0.00	24	97.60	-7999.00	-7999.00
Mon	6	77.59	48.75	64.49	13.660	99.80	22.15	56.64	0.00	24	68.00	-7999.00	-7999.00
Tues	7	78.93	59.65	70.01	9.780	88.50	42.47	67.82	0.00	24	116.3	-7999.00	-7999.00
Wed	8	86.20	69.84	77.5	12.440	99.80	36.79	68.77	0.02	24	89	-7999.00	-7999.00
Thurs	9	82.90	64.76	75.49	11.980	99.80	30.97	61.85	0.02	24	155.5	-7999.00	-7999.00
Fri	10	78.30	55.59	68.66	12.970	83.80	23.86	53.01	0.00	24	53.89	-7999.00	-7999.00
Sat	11	76.08	60.78	67.77	5.920	99.80	47.90	73.57	0.06	24	23.97	6995.00	-459.70
Sun	12	77.41	62.60	68.88	4.751	99.90	61.35	87.60	0.42	24	47.48	325.20	112.30
Mon	13	88.10	66.03	77.13	12.080	99.80	41.57	76.03	0.00	24	51.33	-7999.00	-7999.00
Tues	14	82.30	64.58	71.88	6.453	99.80	70.91	87.90	1.97	23.39	38.14	-7999.00	-7999.00
Wed	15	85.10	60.78	72.32	12.480	99.90	37.00	71.37	0.00	24	48.11	-7999.00	-7999.00
Thurs	16	79.35	67.18	71.96	7.767	86.10	47.36	73.56	0.00	24	93.7	-7999.00	-7999.00
Fri	17	91.70	70.45	79.43	12.190	98.40	41.90	70.56	0.00	24	90.8	-7999.00	-7999.00
Sat	18	75.07	55.77	68.47	9.530	81.50	35.00	54.15	0.00	24	73.44	-7999.00	-7999.00
Sun	19	73.78	49.72	62.63	13.980	86.40	21.57	49.12	0.00	24	75.83	-7999.00	-7999.00
Mon	20	77.17	48.92	65.19	14.050	80.70	17.43	45.26	0.00	24	48.21	-7999.00	-7999.00
Tues	21	79.09	54.25	68.53	11.040	99.90	32.56	61.50	0.00	24	56.85	-7999.00	-7999.00
Wed	22	82.80	62.83	69.84	7.828	99.80	51.04	77.15	0.23	24	73.28	-7999.00	-7999.00
Thurs	23	71.66	62.47	66.03	4.926	99.90	58.06	86.90	0.21	23.98	54.69	248.10	118.40
Fri	24	81.10	58.36	68.17	11.020	99.90	46.20	79.58	0.00	21.96	23.20	-7999.00	-7999.00
Sat	25	83.40	59.51	72.23	13.060	99.80	37.57	72.53	0.00	24	40.14	-7999.00	-7999.00
Sun	26	85.20	59.22	73.21	13.240	99.80	26.89	68.15	0.00	24	82.4	-7999.00	-7999.00
Mon	27	82.10	69.54	74.02	7.504	99.90	61.58	81.60	0.37	23.77	104.5	-7999.00	-7999.00
Tues	28	77.88	61.03	69.71	13.540	99.80	29.05	56.44	0.00	24	46.26	-7999.00	-7999.00
Wed	29	81.60	58.98	71.09	13.560	99.90	31.45	63.31	0.00	24	61.29	-7999.00	-7999.00
Thurs	30	85.80	63.44	74.85	11.820	99.90	45.69	73.31	0.00	24	43.79	-7999.00	-7999.00
	31												
Avg		81.06	60.77	70.96									
Sum									4.09				
10 Yr Avg		81.99	64.06	71.70					5.68				

OBSERVATION TIME: MIDNIGHT TO MIDNIGHT

SENSOR DESCRIPTION and LOCATION: Sensor heights are 6 ft. height over grass, soil temperature sensors are in a vegetation-free area at 2-inch depth.

Aspirated sensor for air temperature and humidity

Weather Station Location: N38° 22.474, W 075° 39.461

Irrigation of 1.0 inch was applied when rainfall was less than 0.7 inches.

Radiation (RAD) measured as total irradiance in megajoules/m2

Weather Station Location: N 38° 22.474, W 075° 39.461

Climatological Record
University of Maryland - Salisbury Facility
27664 Nanticoke Road, Salisbury, MD 21801

July 2022													
Day	Date	Air Temp			Total Solar	Relative Humidity			Total	Leaf	Daily Wind	Soil Temp	
		F°			RAD	%			Rain	Wetness	Run	2" Depth	
		Max	Min	Avg	MJ m-2	Max	Min	Avg	Inches	Hour	Miles	Max	Min
Mon	1	87.40	69.60	77.92	12.640	99.80	40.94	74.35	0.00	24	105.5	-7999.00	-7999.00
Tues	2	86.30	74.01	79.18	11.030	85.10	52.17	69.46	0.00	24	154	-7999.00	-7999.00
Wed	3	83.30	67.25	77.35	8.550	99.80	49.33	74.08	0.00	24	39.24	-7999.00	-7999.00
Thurs	4	86.50	63.13	74.18	13.460	99.90	25.64	59.84	0.00	24	40.44	-7999.00	-7999.00
Fri	5	86.20	64.65	73.25	8.360	99.80	36.90	79.42	0.76	23.76	74.74	-7999.00	-7999.00
Sat	6	88.10	71.54	79.06	9.770	99.90	48.45	78.40	0.00	24	46.29	-7999.00	-7999.00
Sun	7	77.03	68.93	73.76	3.397	99.80	74.59	85.60	0.03	24	22.04	160.20	119.30
Mon	8	82.90	65.49	74.01	11.650	99.80	52.90	77.82	0.00	24	36.94	-7999.00	-7999.00
Tues	9	72.68	64.57	69.28	2.150	99.90	73.80	94.90	0.16	24	25.53	135.10	108.30
Wed	10	76.74	61.39	69.04	7.289	99.80	44.73	77.96	0.00	24	56.73	174.50	98.80
Thurs	11	82.20	56.18	69.59	13.610	99.90	32.85	72.88	0.00	19.62	34.92	-7999.00	-7999.00
Fri	12	85.80	63.92	75.05	12.540	99.80	55.40	79.91	1.27	23.6	110	-7999.00	-7999.00
Sat	13	88.10	68.08	77.40	11.700	99.90	35.98	75.03	0.00	24	36.56	-7999.00	-7999.00
Sun	14	86.90	70.99	78.51	11.620	99.80	32.68	70.64	0.00	24	44.16	-7999.00	-7999.00
Mon	15	82.40	65.85	73.77	10.110	99.80	49.21	80.10	0.89	23.69	36.17	-7999.00	-7999.00
Tues	16	85.30	67.61	74.30	9.910	100.00	49.70	84.00	0.57	23.8	32.85	-7999.00	-7999.00
Wed	17	85.80	68.08	76.58	10.260	99.90	53.14	79.88	0.01	24	40.16	-7999.00	-7999.00
Thurs	18	87.00	70.96	79.49	11.790	99.80	49.12	77.74	0.19	23.84	99.90	-7999.00	-7999.00
Fri	19	85.70	71.42	78.35	10.820	99.90	39.02	75.05	0.06	23.96	26.37	-7999.00	-7999.00
Sat	20	89.00	68.75	79.73	12.430	99.90	41.41	72.93	0.00	24	34.41	-7999.00	-7999.00
Sun	21	88.30	71.42	78.87	9.330	99.80	62.94	82.40	0.68	23.89	82.1	-7999.00	-7999.00
Mon	22	88.70	71.48	79.48	11.840	99.90	39.31	74.95	0.00	24	41.03	-7999.00	-7999.00
Tues	23	90.60	72.21	81.4	12.320	99.80	43.22	72.29	0.00	24	35.8	-7999.00	-7999.00
Wed	24	90.90	73.48	81.9	12.150	99.80	49.35	76.27	0.00	24	57.10	-7999.00	-7999.00
Thurs	25	87.50	70.50	79.63	9.040	99.80	62.27	79.50	2.02	23.25	144.3	-7999.00	-7999.00
Fri	26	80.60	70.57	74.44	3.799	99.90	74.50	94.40	0.86	23.82	33.59	-7999.00	-7999.00
Sat	27	85.00	71.05	76.82	7.945	99.80	59.99	85.90	0.34	23.73	28.9	-7999.00	-7999.00
Sun	28	87.80	73.59	78.83	9.660	99.90	52.08	83.90	0.36	23.74	42.23	-7999.00	-7999.00
Mon	29	86.80	68.64	77.18	8.290	99.80	44.41	83.70	0.01	24	25.55	-7999.00	-7999.00
Tues	30	84.80	66.95	76.04	12.090	99.80	31.27	69.74	0.00	24	35.39	-7999.00	-7999.00
Wed	31	85.30	63.92	74.67	9.550	99.80	38.85	72.41	0.00	24	29.24	-7999.00	-7999.00
Avg		85.21	68.26	76.42									
Sum									8.21				
10 Yr Avg		86.37	68.79	77.23					5.71				

OBSERVATION TIME: MIDNIGHT TO MIDNIGHT

SENSOR DESCRIPTION and LOCATION: Sensor heights are 6 ft. height over grass, soil temperature sensors are in a vegetation-free area at 2-inch depth.

Aspirated sensor for air temperature and humidity

Weather Station Location: N38° 22.474, W 075° 39.461

Irrigation of 1.0 inch was applied when rainfall was less than 0.7 inches.

Radiation (RAD) measured as total irradiance in megajoules/m2

Weather Station Location: N 38° 22.474, W 075° 39.461

Climatological Record
University of Maryland - Salisbury Facility
27664 Nanticoke Road, Salisbury, MD 21801

August 2022

Day	Date	Air Temp			Total Solar	Relative Humidity			Total	Leaf	Daily Wind	Soil Temp	
		F°			RAD	%			Rain	Wetness	Run	2" Depth	
		Max	Min	Avg	MJ m-2	Max	Min	Avg	Inches	Hour	Miles	Max	Min
Mon	1	83.70	72.38	76.58	9.300	99.80	51.86	77.54	0.00	24	52.1	-7999	-7999
Tues	2	87.70	71.42	78.54	11.040	99.90	46.40	76.08	0.00	24	53.98	-7999	-7999
Wed	3	89.60	67.37	78.28	11.920	99.80	38.19	72.74	0.00	24	21.26	-7999	-7999
Thurs	4	91.00	69.78	80.1	11.280	99.90	43.60	75.48	0.00	24	56.91	-7999	-7999
Fri	5	88.60	69.00	76.07	8.440	99.80	58.08	81.30	0.06	23.99	51.59	-7999	-7999
Sat	6	85.00	70.51	76.21	7.208	99.90	52.26	86.50	0.19	24	37.58	-7999	-7999
Sun	7	86.50	71.90	78.71	10.590	99.90	50.66	79.09	0.00	24	74.16	-7999	-7999
Mon	8	87.90	72.88	80.3	11.320	99.80	54.25	78.14	0.00	24	96.2	-7999	-7999
Tues	9	90.40	76.36	82.8	11.650	85.70	44.60	71.56	0.00	24	95.8	-7999	-7999
Wed	10	90.00	70.69	80.1	8.360	99.90	50.77	79.67	0.24	23.78	27.87	-7999	-7999
Thurs	11	82.30	66.40	74.6	8.060	99.90	47.89	81.40	0.00	24	30.06	-7999	-7999
Fri	12	81.60	61.75	71.72	8.650	99.80	37.14	70.69	0.00	24	26.41	-7999	-7999
Sat	13	81.10	59.16	68.66	12.320	99.90	24.97	57.51	0.00	24	31.91	-7999	-7999
Sun	14	82.00	58.98	69.69	9.390	88.60	26.76	60.60	0.00	24	32.78	-7999	-7999
Mon	15	78.62	64.34	70.42	9.900	85.50	38.26	65.62	0.00	24	33.79	-7999	-7999
Tues	16	77.23	60.25	69.00	10.300	99.90	47.43	72.36	0.00	24	48.26	-7999	-7999
Wed	17	78.79	58.98	68.48	10.930	99.90	35.36	71.84	0.00	24	36.35	-7999	-7999
Thurs	18	82.50	57.40	70.36	11.580	99.90	34.41	71.74	0.00	24	53.72	-7999	-7999
Fri	19	85.40	62.36	74.24	10.250	100.00	33.89	69.91	0.00	24	37.37	-7999	-7999
Sat	20	86.00	65.25	74.74	10.710	99.80	35.18	71.13	0.00	24	47.45	-7999	-7999
Sun	21	82.60	62.60	73.24	6.325	99.90	56.08	81.20	0.00	24	28.27	-7999	-7999
Mon	22	83.80	70.45	75.82	7.576	99.90	53.58	82.90	0.00	24	53.6	-7999	-7999
Tues	23	85.00	67.67	75.56	10.360	99.80	40.81	74.31	0.00	24	42.25	-7999	-7999
Wed	24	87.50	63.51	74.62	10.140	99.90	33.11	71.53	0.00	24	33.80	-7999	-7999
Thurs	25	89.20	62.97	75.36	9.530	99.90	33.35	73.57	0.05	24	30.42	-7999	-7999
Fri	26	86.70	67.44	77.42	10.740	99.80	35.95	67.66	0.00	24	72.36	-7999	-7999
Sat	27	89.30	67.55	75.03	8.230	99.80	42.52	80.00	0.01	24	35.04	-7999	-7999
Sun	28	88.10	66.88	76.03	8.890	99.80	46.50	81.80	0.00	24	40.98	-7999	-7999
Mon	29	89.10	67.13	76.55	8.650	99.80	0.47	81.00	0.00	24	33.13	-7999	-7999
Tues	30	90.00	68.38	77.42	10.340	99.90	0.10	77.63	0.45	23.81	61.24	-7999	-7999
Wed	31	81.90	63.70	73.17	10.660	99.90	34.95	71.49	0.01	24	72.88	-7999	-7999
Avg		85.46	66.30	75.16									
Sum									1.01				
10 Yr Avg		83.73	66.11	74.34					6.22				

OBSERVATION TIME: MIDNIGHT TO MIDNIGHT

SENSOR DESCRIPTION and LOCATION: Sensor heights are 6 ft. height over grass, soil temperature sensors are in a vegetation-free area at 2-inch depth.

Aspirated sensor for air temperature and humidity

Weather Station Location: N38° 22.474, W 075° 39.461

Irrigation of 1.0 inch was applied when rainfall was less than 0.7 inches.

Radiation (RAD) measured as total irradiance in megajoules/m2

Weather Station Location: N 38° 22.474, W 075° 39.461

Climatological Record
University of Maryland - Salisbury Facility
27664 Nanticoke Road, Salisbury, MD 21801

September 2022													
Day	Date	Air Temp			Total Solar	Relative Humidity			Total	Leaf	Daily Wind	Soil Temp	
		Max	Min	Avg	RAD	Max	Min	Avg	Rain	Wetness	Run	2" Depth	
		F°				%			Inches	Hour	Miles	Max	Min
Thurs	1	84.10	60.80	72.25	10.820	99.80	30.50	65.91	0.00	24	39.29	-7999	-7999
Fri	2	82.00	60.68	71.29	10.060	99.90	47.60	74.87	0.00	24	71.89	-7999	-7999
Sat	3	85.30	59.28	71.94	8.910	99.80	37.65	74.17	0.00	24	36.47	-7999	-7999
Sun	4	86.80	60.66	73.17	8.660	99.90	0.41	73.81	0.00	24	28.55	-7999	-7999
Mon	5	86.10	64.94	74.5	7.726	99.80	41.42	73.39	0.00	24	38.22	-7999	-7999
Tues	6	80.50	68.44	73.21	4.886	99.80	66.21	83.20	0.57	23.94	75.88	-7999	-7999
Wed	7	72.05	65.97	68.94	2.812	99.80	75.43	90.30	0.02	23.92	25.52	-7999	-7999
Thurs	8	73.93	59.22	67.25	5.713	99.90	53.07	80.60	0.01	24	28.13	-7999	-7999
Fri	9	77.96	56.74	67.02	10.120	99.90	37.15	76.89	0.00	21.12	58.15	-7999	-7999
Sat	10	81.60	55.83	69.02	9.480	99.90	39.41	76.52	0.00	23.52	66.19	-7999	-7999
Sun	11	75.51	69.29	71.46	1.698	99.90	-0.34	58.82	2.18	23.04	22.51	-7999	-7999
Mon	12	85.20	68.81	75.44	7.447	99.80	-0.24	41.87	1.41	23.59	39.71	-7999	-7999
Tues	13	79.60	64.23	71.63	7.361	99.90	-0.34	45.16	0.24	23.9	31.45	-7999	-7999
Wed	14	77.53	55.83	66.45	9.710	99.90	36.84	70.99	0.00	24	42.18	-7999	-7999
Thurs	15	77.71	54.98	66.23	9.310	99.90	0.24	73.87	0.00	20.23	35.24	-7999	-7999
Fri	16	76.61	48.27	62.46	9.220	99.90	34.48	73.76	0.00	19.17	20.45	-7999	-7999
Sat	17	79.51	51.46	65.55	9.260	99.90	0.14	71.79	0.00	21.08	30.64	-7999	-7999
Sun	18	79.84	55.96	68.25	9.210	99.80	-0.07	68.90	0.00	24	62.80	-7999	-7999
Mon	19	83.10	60.48	71.84	9.000	99.90	0.10	52.94	0.00	24	73.3	-7999	-7999
Tues	20	80.30	60.68	71.23	9.360	99.90	-0.41	67.10	0.00	24	50.31	-7999	-7999
Wed	21	81.60	55.89	68.78	9.270	99.90	-0.30	67.50	0.00	24	36.29	-7999	-7999
Thurs	22	81.60	59.58	70.13	4.959	88.50	48.30	73.41	0.04	23.99	80.8	-7999	-7999
Fri	23	64.80	46.27	56.4	9.660	78.98	26.58	52.24	0.00	24	79.13	-7999	-7999
Sat	24	67.98	42.27	55.15	7.761	85.40	31.36	60.18	0.00	24	44.38	-7999	-7999
Sun	25	77.78	52.80	66.6	7.906	86.80	43.26	63.50	0.00	24	126.9	-7999	-7999
Mon	26	76.87	56.74	67.27	9.060	99.90	0.30	61.14	0.00	24	82.8	-7999	-7999
Tues	27	71.75	52.37	61.27	8.980	85.40	23.84	57.91	0.00	24	56.5	-7999	-7999
Wed	28	67.98	47.78	57.56	8.990	88.10	37.33	61.40	0.00	24	39.56	-7999	-7999
Thurs	29	65.69	50.44	57.7	6.047	88.50	47.46	68.76	0.00	24	53.85	-7999	-7999
Fri	30	62.53	55.04	58.77	1.473	99.90	68.87	80.40	0.35	23.97	66.54	157	127
	31												
Avg		77.46	57.39	67.29					4.82				
Sum													
10 Yr Avg		78.33	59.80	68.61					5.10				

OBSERVATION TIME: MIDNIGHT TO MIDNIGHT

SENSOR DESCRIPTION and LOCATION: Sensor heights are 6 ft. height over grass, soil temperature sensors are in a vegetation-free area at 2-inch depth.

Aspirated sensor for air temperature and humidity

Weather Station Location: N38° 22.474, W 075° 39.461

Irrigation of 1.0 inch was applied when rainfall was less than 0.7 inches.

Radiation (RAD) measured as total irradiance in megajoules/m2

Weather Station Location: N 38° 22.474, W 075° 39.461

Climatological Record
University of Maryland - Salisbury Facility
27664 Nanticoke Road, Salisbury, MD 21801

October 2022

Day	Date	Air Temp			Total Solar	Relative Humidity			Total	Leaf	Daily Wind	Soil Temp	
		F°			RAD	%			Rain	Wetness	Run	2" Depth	
		Max	Min	Avg	MJ m-2	Max	Min	Avg	Inches	Hour	Miles	Max	Min
Sat	1	71.56	61.27	65.75	3.263	99.80	-0.34	81.10	0.96	23.48	79.35	-7999	-7999
Sun	2	63.06	48.85	58.65	3.782	99.90	-0.34	75.58	0.23	23.19	106.5	209	109
Mon	3	49.15	45.34	47.3	1.274	99.90	85.00	93.60	0.15	22.12	167.50	109	94
Tues	4	50.30	44.62	47.49	1.703	99.90	83.90	94.40	0.14	22.87	123.3	104	91
Wed	5	59.78	49.64	55.04	2.578	99.90	83.10	96.80	0.22	23.39	65.08	141	100
Thurs	6	74.01	49.82	60	8.310	99.90	31.18	76.78	0.00	23.61	35.88	-7999	-7999
Fri	7	76.62	48.44	61.45	8.170	99.90	-0.30	67.05	0.00	20.86	28.72	-7999	-7999
Sat	8	62.08	40.28	53.43	7.767	94.10	35.22	57.26	0.00	24	74.2	170	86
Sun	9	60.86	34.90	47.57	8.390	100.00	30.30	73.57	0.00	19.74	59.15	156	76
Mon	10	65.77	38.95	50.96	7.789	100.00	32.57	75.97	0.00	20.49	35.94	229	78
Tues	11	71.71	39.74	53.71	7.967	99.90	26.98	72.97	0.00	21.09	28.54	-7999	-7999
Wed	12	70.96	40.76	56.60	7.236	99.90	-0.14	74.32	0.00	21.26	51.42	1369	-460
Thurs	13	68.75	59.63	64.16	1.989	99.90	0.24	85.80	0.00	24	15.13	180	122
Fri	14	69.16	44.76	57.06	6.469	99.90	24.04	68.54	0.21	23.75	15.12	824	-460
Sat	15	72.10	40.70	56.36	7.682	100.00	-0.03	69.45	0.01	16.39	15.12	251	85
Sun	16	72.25	48.19	59.04	5.858	99.90	0.07	68.14	0.09	24	15.12	807	-460
Mon	17	64.39	52.00	59.36	2.119	99.90	0.20	88.30	0.29	23.89	15.12	152	110
Tues	18	54.72	36.28	48.12	6.570	85.30	29.32	54.75	0.00	24	36.88	127	81
Wed	19	54.82	31.03	43.17	7.456	100.00	32.06	68.57	0.00	24	77.73	119	71
Thurs	20	59.66	33.01	47.53	7.527	99.90	31.82	65.96	0.00	24	28.6	131	71
Fri	21	66.04	36.70	50.88	7.339	100.00	23.00	67.92	0.00	24	20.83	210	75
Sat	22	67.21	35.99	50.95	6.521	99.90	31.40	74.70	0.00	22.35	33.4	194	75
Sun	23	61.55	47.95	55.22	1.133	99.90	-0.41	71.44	0.69	22.8	44.82	129	95
Mon	24	58.99	52.43	55.79	2.044	99.90	-0.57	16.78	0.06	24	36.09	144	110
Tues	25	61.30	55.51	58.49	1.726	99.90	-0.34	31.26	0.01	24	16.18	159	120
Wed	26	64.31	55.35	59.62	2.400	99.80	-0.71	28.15	0.02	21.98	40.69	210	120
Thurs	27	64.52	45.84	55.81	6.844	99.90	0.20	68.16	0.00	21.24	48.11	246	96
Fri	28	61.24	44.99	52.36	3.885	80.30	55.16	69.25	0.00	24	36.16	141	90
Sat	29	60.73	41.66	50.4	5.790	99.90	48.07	75.11	0.00	24	35.5	172	90
Sun	30	61.34	44.51	52.65	2.257	99.90	59.13	82.80	0.00	24	17.72	160	92
Mon	31	68.29	43.11	56.08	4.597	99.90	-0.10	65.94	0.01	24	39.43	-7999	-7999
Avg		64.10	44.91	54.55									
Sum									3.09				
10 Yr Avg		69.14	50.28	59.49					5.49				

OBSERVATION TIME: MIDNIGHT TO MIDNIGHT

SENSOR DESCRIPTION and LOCATION: Sensor heights are 6 ft. height over grass, soil temperature sensors are in a vegetation-free area at 2-inch depth.

Aspirated sensor for air temperature and humidity

Weather Station Location: N38° 22.474, W 075° 39.461

Irrigation of 1.0 inch was applied when rainfall was less than 0.7 inches.

Radiation (RAD) measured as total irradiance in megajoules/m2

Weather Station Location: N 38° 22.474, W 075° 39.461

Climatological Record
University of Maryland - Salisbury Facility
27664 Nanticoke Road, Salisbury, MD 21801

November 2022													
Day	Date	Air Temp			Total Solar	Relative Humidity			Total	Leaf	Daily Wind	Soil Temp	
		F°			RAD	%			Rain	Wetness	Run	2" Depth	
		Max	Min	Avg	MJ m-2	Max	Min	Avg	Inches	Hour	Miles	Max	Min
Tues	1	71.36	53.40	61.94	5.036	99.80	-0.07	55.02	0.20	24	35.56	-7999	-7999
Wed	2	66.89	47.47	56.63	5.157	99.90	47.75	78.30	0.00	24	27.13	366	100
Thurs	3	69.38	46.75	56.79	6.186	99.90	-0.10	66.21	0.00	20.56	37.75	-7999	-7999
Fri	4	75.71	46.57	59.69	4.310	99.90	-0.54	44.67	0.01	16.9	28.82	-7999	-7999
Sat	5	77.47	58.01	66.74	5.171	99.90	-0.03	51.85	0.00	23.24	96.00	-7999	-7999
Sun	6	77.41	61.51	68.49	4.422	99.80	53.94	77.25	0.00	24	89.80	-7999	-7999
Mon	7	78.66	51.76	67.39	5.115	86.80	22.11	66.15	0.00	24	46.36	-7999	-7999
Tues	8	60.35	41.97	52.19	6.161	79.55	27.72	41.71	0.00	24	90.8	142	85
Wed	9	60.06	42.16	48.87	5.633	85.30	44.66	63.28	0.00	24	52.18	154	80
Thurs	10	71.32	44.15	57.3	5.220	99.90	45.59	76.86	0.00	24	61.02	743	-460
Fri	11	71.24	58.73	66.29	0.963	99.90	-0.37	82.50	0.50	24	144.30	286	122
Sat	12	72.98	61.03	67.02	5.525	99.80	47.09	75.63	0.22	23.98	121.8	-7999	-7999
Sun	13	64.31	37.56	48.31	4.625	91.30	37.74	57.21	0.00	24	116.20	133	73
Mon	14	47.11	28.84	37.23	5.717	95.80	36.02	65.40	0.00	24	36.48	105	62
Tues	15	52.67	28.04	41.08	2.223	99.90	-0.27	76.18	0.95	22.43	20.53	94	61
Wed	16	52.89	41.00	45.71	5.210	100.00	-0.24	49.04	0.10	23.75	155.1	112	79
Thurs	17	44.29	27.80	39.35	5.596	79.43	25.36	47.74	0.00	24	43.37	92	60
Fri	18	44.77	23.86	35.42	5.569	100.00	27.04	62.18	0.00	24	66.50	91	56
Sat	19	45.38	27.92	37.38	4.540	84.20	33.59	58.54	0.00	24	15.26	92	59
Sun	20	43.93	23.55	34.5	5.483	84.50	21.48	42.60	0.00	24	35.3	78	56
Mon	21	47.80	20.80	39.6					0.00				
Tues	22	56.54	25.12	39.6	5.496	100.00	16.67	63.81	0.00	24	22.43	123	57
Wed	23	59.52	25.73	40.11	5.301	99.90	20.31	64.93	0.00	24	25.27	126	58
Thurs	24	59.36	26.89	41.43	4.798	99.90	38.23	75.92	0.00	24	15.12	134	60
Fri	25	57.77	33.98	47.05	1.833	100.00	-0.84	63.26	0.36	23.59	15.12	125	69
Sat	26	55.41	30.53	42.82	5.166	89.00	28.18	63.25	0.00	24	31.06	118	63
Sun	27	63.68	38.47	51.93	0.619	99.90	0.10	79.00	0.63	24	15.45	140	72
Mon	28	57.08	38.09	49.28	3.746	99.90	-0.51	45.95	0.01	17.76	15.13	126	77
Tues	29	50.70	29.98	40.68	4.216	99.90	43.13	75.74	0.00	24	15.22	110	64
Wed	30	58.12	39.78	50.3	0.455	99.90	-0.17	74.53	0.47	23.91	16.17	114	75
Avg		60.47	38.72	49.70									
Sum									3.45				
10 Yr Avg		56.65	35.32	46.51					3.07				

OBSERVATION TIME: MIDNIGHT TO MIDNIGHT

SENSOR DESCRIPTION and LOCATION: Sensor heights are 6 ft. height over grass, soil temperature sensors are in a vegetation-free area at 2-inch depth.

Aspirated sensor for air temperature and humidity

Weather Station Location: N38° 22.474, W 075° 39.461

Irrigation of 1.0 inch was applied when rainfall was less than 0.7 inches.

Radiation (RAD) measured as total irradiance in megajoules/m2

Weather Station Location: N 38° 22.474, W 075° 39.461

Climatological Record
University of Maryland - Salisbury Facility
27664 Nanticoke Road, Salisbury, MD 21801

December 2022													
		Air Temp			Total Solar	Relative Humidity			Total	Leaf	Daily Wind	Soil Temp	
Day	Date	F°			RAD	%			Rain	Wetness	Run	2" Depth	
		Max	Min	Avg	MJ m-2	Max	Min	Avg	Inches	Hour	Miles	Max	Min
Thurs	1	43.78	25.31	36.84	5.069	87.30	31.97	48.66	0.00	24	15.12	86.20	58.97
Fri	2	49.67	21.37	35.62	4.818	100.00	27.07	67.16	0.00	24	15.12	93.60	55.00
Sat	3	58.07	42.64	54.31	0.585	99.90	56.89	85.10	0.52	24	23.06	114.70	73.03
Sun	4	48.24	25.85	37.56	4.865	99.90	35.92	65.03	0.00	24	29.77	97.60	59.86
Mon	5	49.49	22.40	34.66	4.475	100.00	31.03	80.70	0.00	24	16.67	95.40	56.07
Tues	6	59.93	35.73	52.63	0.711	100.00	0.03	93.20	0.22	24	17.59	116.40	68.06
Wed	7	60.42	56.78	59.03	0.766	99.90	-0.24	46.21	0.08	24	20.73	134.10	116.00
Thurs	8	57.56	45.47	51.05	2.848	99.80	-0.57	52.79	0.00	24	16.7	126.00	89.50
Fri	9	46.51	28.70	39.90	4.759	91.20	47.18	66.19	0.00	24	15.12	105.40	64.96
Sat	10	48.53	26.70	36.78	4.236	99.90	54.21	75.50	0.00	24	15.12	102.60	60.38
Sun	11	49.21	38.08	43.53	1.356	99.90	77.89	90.50	0.00	24	15.12	103.30	76.64
Mon	12	42.19	33.72	37.98	1.990	99.90	55.79	75.68	0.00	22.05	15.12	85.90	69.07
Tues	13	40.40	22.40	32.30	4.800	88.20	40.85	65.62	0.00	24	15.12	90.00	57.97
Wed	14	40.06	20.10	29.29	3.779	94.30	37.28	68.47	0.00	24	15.12	80.40	54.74
Thurs	15	53.77	31.67	41.99	0.313	99.90	-0.34	72.70	2.42	22.06	15.12	106.00	63.87
Fri	16	53.95	38.75	45.34	3.740	99.90	-0.14	42.42	0.00	23.04	15.12	105.50	72.53
Sat	17	45.93	28.46	37.41	4.276	94.80	33.96	66.91	0.00	24	15.12	92.40	60.10
Sun	18	41.86	29.01	34.51	3.188	88.70	34.14	63.63	0.00	24	15.12	82.00	59.42
Mon	19	39.43	25.79	31.73	4.758	72.79	39.23	55.76	0.00	24	15.12	75.65	55.27
Tues	20	38.88	23.86	30.19	4.547	83.80	41.39	64.36	0.00	24	15.12	73.78	53.24
Wed	21	42.27	21.37	30.43	4.597	99.90	43.04	72.57	0.00	24	15.12	79.32	53.21
Thurs	22	57.76	27.56	43.76	0.537	100.00	-0.51	78.16	1.09	24	15.12	105.90	56.92
Fri	23	58.73	15.66	36.98	1.574	99.90	0.10	66.51	0.08	23.86	15.12	108.70	52.49
Sat	24	20.29	11.17	15.34	4.626	61.72	36.81	46.34	0.00	24	15.12	61.41	51.52
Sun	25	31.21	10.88	21.14	4.803	82.00	31.05	61.10	0.00	24	15.12	65.80	48.75
Mon	26	32.30	12.27	23.11	4.139	85.20	37.09	63.09	0.00	24	15.12	71.90	52.90
Tues	27	42.53	22.27	30.33	4.506	84.30	24.75	60.65	0.00	24	15.12	80.30	58.49
Wed	28	47.92	20.03	32.02	4.575	99.90	48.51	75.00	0.00	24	15.12	91.70	62.62
Thurs	29	53.44	27.44	38.75	4.763	86.50	35.44	63.58	0.00	24	15.12	97.10	62.62
Fri	30	63.46	28.65	45.90	4.587	100.00	52.53	76.23	0.00	24	15.12	360.90	63.75
Sat	31	58.17	50.19	55.15	0.842	99.90	-0.47	5.23	0.76	23.43	15.12	178.50	100.50
Avg		47.61	28.07	37.92									
Sum									5.17				
10 Yr Avg		52.62	31.95	41.87					3.79				

OBSERVATION TIME: MIDNIGHT TO MIDNIGHT

SENSOR DESCRIPTION and LOCATION: Sensor heights are 6 ft. height over grass, soil temperature sensors are in a vegetation-free area at 2-inch depth.

Aspirated sensor for air temperature and humidity

Weather Station Location: N38° 22.474, W 075° 39.461

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Weather Station Location: N 38° 22.474, W 075° 39.461