

Table 1

*Brian J Murray's*

# NEWSLETTER



## East Prince Agri-Environment Association *Irrigation* Scheduling Project

**The following are the logged Results of the Ten 2022 and Four 2021 Weather Stations Data. These numbers include Monthly RainFall, Average Daily Air & Soil Temperature, Soil Moisture and Average Wind Speed with Maximum Gust Wind. Relative Humidity and Growing Degree Days are also included.**

Site	Monthly		Total		RainFall	
	May RainFall mm	June RainFall mm	July RainFall mm	August RainFall mm	September RainFall mm	October RainFall mm
Lower Bedeque 2022	45.6	63.4	87.60	82.0	121.4	27.0
Springfield 2022	0.0	0.0	75.8	110.8	97.4	64.4
Nodd Road 2022	38.2	94.6	71.0	120.0	99.6	60.2
Blue Shank Rd 2022	41.4	84.2	77.2	99.4	114.4	62.0
Sealetown 2022	53.0	88.6	83.2	81.6	136.8	63.0
Kinkora 2022	45.8	97.0	84.2	76.2	148.4	72.2
West Cape 2022	40.0	83.0	98.2	113.2	111.4	48.6
Victoria 2022	0.0	0.0	95.0	49.6	71.80	77.6
Souris 2022	27.2	85.6	55.2	62.6	157.4	45.4
Indian River 2022	39.4	76.0	28.4	124.6	105.2	49.2
Lower Bedeque 2021	0.0	52.2	131.4	57.0	131.0	57.8
Nodd Road 2021	0.0	43.0	160.8	56.8	174.0	49.6
Blue Shank Rd 2021	0.0	52.6	128.6	50.0	134.4	59.4
Indian River 2021	0.0	47.4	110.80	57.00	130.6	66.6
Site	Monthly		Average	Soil Moisture	%VWC	
	May Soil Moisture %	June Soil Moisture %	July Soil Moisture %	August Soil Moisture %	September Soil Moisture %	October Soil Moisture %
Lower Bedeque 2022	31.7	30.5	27.5	25.9	29.01	32.0
Springfield 2022	0.0	0.0	23.3	20.54	21.56	27.2
Nodd Road 2022	23.7	26.4	22.9	21.1	21.11	22.7
Blue Shank Rd 2022	26.8	25.2	24.7	24.7	26.8	24.9
Sealetown 2022	23.54	21.86	16.41	13.25	20.53	31.7
Kinkora 2022	27.3	26.4	22.8	19.02	21.23	25.7
West Cape 2022	21.3	18.56	22.0	22.12	21.92	20.0
Victoria 2022	0.0	0.0	37.22	32.16	29.14	39.78
Souris 2022	26.8	28.66	28.9	26.46	23.36	27.75
Indian River 2022	25.7	25.9	19.1	21.8	24.2	25.6
Lower Bedeque 2021	0.0	19.84	19.76	15.33	14.43	7.93
Nodd Road 2021	0.0	21.92	25.56	22.40	28.47	28.50
Blue Shank Rd 2021	0.0	19.71	19.78	19.35	14.12	15.00
Indian River 2021	0.0	24.21	22.41	17.75	20.90	16.13

		Monthly	Average	Soil Temperature	Celsius	
Site	May Soil Temperature	June Soil Temperature	July Soil Temperature	August Soil Temperature	September Soil Temperature	October Soil Temperature
Lower Bedeque 2022	11.98	15.50	19.01	19.96	17.00	12.73
Springfield 2022	0.0	0.0	17.02	18.22	15.66	12.93
Nodd Road 2022	10.25	18.80	22.40	20.76	16.13	12.20
Blue Shank Rd 2022	12.86	16.42	19.32	19.96	16.70	13.19
Sealetown 2022	12.30	15.22	17.49	19.78	16.00	12.51
Kinkora 2022	11.50	14.90	17.79	20.33	16.55	12.39
West Cape 2022	10.45	15.46	19.80	19.13	15.40	12.25
Victoria 2022	0.0	0.0	17.16	18.42	17.96	14.99
Souris 2022	11.51	13.85	16.29	19.33	15.79	12.23
Indian River 2022	12.00	15.00	17.90	19.30	16.10	14.70
Lower Bedeque 2021	0.0	16.20	17.87	20.01	17.06	11.95
Nodd Road 2021	0.0	17.30	18.14	19.65	17.30	13.02
Blue Shank Rd 2021	0.0	17.33	17.62	18.32	16.70	11.70
Indian River 2021	0.0	17.02	18.65	19.40	16.58	12.06
		Monthly	Average	Air Temperature	Celsius	
Site	May Air Temperature	June Air Temperature	July Air Temperature	August Air Temperature	September Air Temperature	October Air Temperature
Lower Bedeque 2022	13.90	16.00	20.29	20.73	15.85	12.29
Springfield 2022	0.0	0.0	20.72	20.16	15.14	11.81
Nodd Road 2022	13.85	15.80	20.15	20.42	15.34	12.02
Blue Shank Rd 2022	13.95	15.76	21.34	20.46	15.41	12.12
Sealetown 2022	14.00	15.29	18.03	20.48	15.62	12.26
Kinkora 2022	13.60	15.58	21.12	20.14	14.96	11.69
West Cape 2022	9.20	15.28	20.58	20.19	15.40	11.92
Victoria 2022	0.0	0.0	19.63	20.17	15.46	12.01
Souris 2022	11.12	14.46	17.73	20.17	15.51	12.00
Indian River 2022	14.01	15.70	21.40	20.68	20.00	20.00
Lower Bedeque 2021	0.0	17.91	18.44	20.61	16.81	11.16
Nodd Road 2021	0.0	17.96	18.24	20.57	16.47	10.56
Blue Shank Rd 2021	0.0	17.85	18.19	20.44	16.60	10.70
Indian River 2021	0.0	18.50	18.50	20.61	16.65	10.69

		Monthly	Average	Wind Speed	Km/h	
Site	May Wind Speed	June Wind Speed	July Wind Speed	August Wind Speed	September Wind Speed	October Wind Speed
Lower Bedeque 2022	9.67	7.40	8.00	6.02	60	8.90
Springfield 2022	0.0	0.0	7.58	4.08	69.0	6.00
Nodd Road 2022	36	25	22	18.0	62.0	27
Blue Shank Rd 2022	11.67	8.40	9.10	5.80	8.05	7.50
Sealetown 2022	11.00	8.00	8.50	7.50	10.0	8.20
Kinkora 2022	9.01	7.01	6.65	4.50	7.20	6.41
West Cape 2022	7.30	5.60	8.00	5.20	9.58	10.39
Victoria 2022	0.0	0.0	6.05	6.10	9.13	8.36
Souris 2022	9.50	7.70	6.80	7.20	9.13	7.30
Indian River 2022						
Lower Bedeque 2021	0.0	7.06	6.22	5.38	7.76	5.82
Nodd Road 2021	0.0	5.46	4.0	5.2	7.5	3.39
Blue Shank Rd 2021	0.0	9.24	7.26	6.66	9.27	6.50
Indian River 2021	0.0	9.0	7.1	6.4	8.1	5.77
		Monthly	Average	Gust Wind Speed	Km/h	
Site	May Gust Wind Speed	June Gust Wind Speed	July Gust Wind Speed	August Gust Wind Speed	September Gust Wind Speed	October Gust Wind Speed
Lower Bedeque 2022	54	49	56	40	100	54
Springfield 2022	0.0	0.0	51	11	112	45
Nodd Road 2022	56	53	42	33	94	49
Blue Shank Rd 2022	62	49	47	42	94	49
Sealetown 2022	58	43	53	38	123	42
Kinkora 2022	53	47	53	36	98	43
West Cape 2022	42	43	38	49	83	72
Victoria 2022	0.0	0.0	45	42	120	54
Souris 2022	49	42	45	49	121	47
Indian River 2022	63	47	43	36	91	45
Lower Bedeque 2021	0.0	60	45	40	53	49
Nodd Road 2021	0.0	45	42	36	58	51
Blue Shank Rd 2021	0.0	62	43	43	53	49
Indian River 2021	0.0	58	45	40	58	54

		Monthly	Average	Relative Humidity	%	
Site	May Relative Humidity	June Relative Humidity	July Relative Humidity	August Relative Humidity	September Relative Humidity	October Relative Humidity
Lower Bedeque 2022	73.99	83.11	80.94	85.34	82.91	81.23
Springfield 2022	0.0	0.0	77.12	84.83	82.85	82.50
Nodd Road 2022	73.46	82.69	79.35	86.37	83.65	84.55
Blue Shank Rd 2022	72.51	83.15	80.27	85.84	83.19	83.84
Sealetown 2022	73.38	83.73	81.46	82.88	81.04	82.03
Kinkora 2022	73.12	82.81	79.75	86.24	83.42	83.96
West Cape 2022	72.49	82.62	78.33	86.57	82.87	81.89
Victoria 2022	0.0	0.0	78.81	82.73	80.63	82.37
Souris 2022	78.78	86.41	80.39	87.29	83.95	83.62
Indian River 2022	76.00	82.00	80.00	83.00	82.00	84.00
Lower Bedeque 2021	0.0	76.56	85.46	84.51	86.50	87.96
Nodd Road 2021	0.0	77.49	85.90	83.60	87.29	88.75
Blue Shank Rd 2021	0.0	76.14	85.67	83.85	86.42	88.03
Indian River 2021	0.0	74.25	83.56	83.21	85.89	87.71
		Monthly	Average	Growing Degree Days		
Site	May GDD	June GDD	July GDD	August GDD	September GDD	October GDD
Lower Bedeque 2022	47	85.8	153.3	177.88	110.10	54.51
Springfield 2022	0.0	0.0	17.43	128.38	95.93	43.32
Nodd Road 2022	50.89	85.70	149.07	172.73	106.80	60.31
Blue Shank Rd 2022	47	79.5	45.5	170.40	103.90	61.20
Sealetown 2022	19.27	63.49	25.74	160.88	107.37	38.09
Kinkora 2022	12.10	57.52	45.39	171.30	111.90	38.77
West Cape 2022	21.89	68.89	114.53	148.19	94.61	61.61
Victoria 2022	0.0	0.0	104.14	132.23	115.68	107.27
Souris 2022	12.89	46.12	35.72	147.57	100.47	33.47
Indian River 2022	39	70.20	110.80	153.40	305.20	42.10
Lower Bedeque 2021	0.0	117.96	126.66	171.59	106.45	54.63
Nodd Road 2021	0.0	111.96	126.0	175.88	104.03	54.64
Blue Shank Rd 2021	0.0	114.73	122.22	167.11	103.44	52.06
Indian River 2021	0.0	86.18	130.14	143.4	100.58	45.01