

Appendix 1: Meteorological data for the Sampling periods.

YEAR 2005	Phase 1 (Jan - Apr.)	AVERAGE MAXIMUM TEMP.°C	AVERAGE MINIMUM TEMP.°C	AVERAGE RELATIVE HUMIDITY %		AVG. RAIN- FALL mm	Phase 2 (Sept - Dec)	AVERAGE MAXIMUM TEMP.°C	AVERAGE MINIMUM TEMP.°C	AVERAGE RELATIVE HUMIDITY %		AVG. RAIN- FALL mm
				AT 8.30 Hrs	At 17.30 Hrs					AT 8.30 Hrs	At 17.30 Hrs	
Sampling period 1	1 Jan - 31 Jan	27.4	13.1	59	35	0	1 Sept- 30 Sept	31.1	29.2	39.6	45.3	29.4
Sampling period 2	1 Feb - 28 Feb	30.1	15.8	59.6	45.3	0	1 Oct- 31 Oct	35.9	28.8	37.2	36.5	0
Sampling period 3	1 Mar- 31 Mar	36	21	55	29.3	0	1 Nov. - 30 Nov.	36.1	33.2	33.9	33.5	0
Sampling period 4	1 Apr - 30 Apr	40.2	23.1	47.3	36.3	0	1 Dec. - 31 Dec.	33	30.4	31.6	31.8	0

YEAR 2006	Phase 1 (Jan - Apr.)	AVERAGE MAXIMUM TEMP.°C	AVERAGE MINIMUM TEMP.°C	AVERAGE RELATIVE HUMIDITY %		AVG. RAIN- FALL mm	Phase 2 (Sept - Dec)	AVG MAXIMU M TEMP.°C	AVG MINIMUM TEMP.°C	AVERAGE RELATIVE HUMIDITY %		AVG. RAIN- FALL mm
				AT 8.30 Hrs	At 17.30 Hrs					AT 8.30 Hrs	At 17.30 Hrs	
Sampling period 1	1 Jan - 31 Jan	30	21	27.9	29.2	0	1 Sept- 30 Sept	35.7	49.6	53.5	55.2	54.3
Sampling period 2	1 Feb - 28 Feb	30.7	28.4	29.4	29.1	0	1 Oct- 31 Oct	35.9	29.6	40.1	41.6	0
Sampling period 3	1 Mar- 31 Mar	35.9	27.4	29.3	28.5	0	1 Nov. - 30 Nov.	39.5	35.1	37.1	37.3	0
Sampling period 4	1 Apr - 30 Apr	38.9	31.3	33.8	31.5	0	1 Dec. - 31 Dec.	31	23.5	32.4	35.5	0

YEAR 2007		AVERAGE MAXIMUM TEMP.°C	AVERAGE MINIMUM TEMP.°C	AVERAGE RELATIVE HUMIDITY %		AVG. RAIN- FALL mm	Phase 2 (Sept - Dec)	AVERAGE MAXIMUM TEMP.°C	AVERAGE MINIMUM TEMP.°C	AVERAGE RELATIVE HUMIDITY %		AVG. RAIN- FALL mm
				AT 8.30 Hrs	AT 17.30 Hrs					AT 8.30 Hrs	AT 17.30 Hrs	
Sampling period 1	1 Jan - 31 Jan	29.4	21.3	28.9	31	0	1 Sept- 30 Sept	33	25.1	75.8	70.3	25.4
Sampling period 2	1 Feb - 28 Feb	33.1	17.5	45.1	34.2	0	1 Oct - 31 Oct	34.6	21.8	49	36	0
Sampling period 3	1 Mar- 31 Mar	36.1	19.1	36.1	25.7	0	1 Nov.- 30 Nov.	33.1	18.1	45.3	35.2	0
Sampling period 4	1 Apr - 30 Apr	40.4	24.2	36	31	0	1 Dec.- 31 Dec.	26.3	23.9	43.4	39.5	0

Source: Department of Physics, The M.S.University of Baroda, Vadodara, GUJARAT.

	<i>Pheidole</i> sp. 4	103	78	70	69
	<i>Solenopsis</i> sp. 1	167	168	114	133
	<i>Solenopsis</i> sp. 2	96	68	96	55
	<i>Solenopsis</i> sp. 3	90	68	63	61
Ponerinae	<i>Leptogenys chinensis</i> Mayr, 1870	0	0	0	0
Pseudomyrmecinae	<i>Tetraponera rufonigra</i> Jerdon, 1851	151	156	124	118

	<i>Pheidole</i> sp. 4	0	0	0	0
	<i>Solenopsis</i> sp. 1	108	172	143	142
	<i>Solenopsis</i> sp. 2	130	86	121	169
	<i>Solenopsis</i> sp. 3	0	0	0	0
Ponerinae	<i>Leptogenys chinensis</i> Mayr, 1870	48	108	102	95
Pseudomyrmecinae	<i>Tetraponera rufonigra</i> Jerdon, 1851	0	0	0	0

Appendix 4: Classic Sorensen and Bray Curtis Similarity Index for Agricultural Sites

First Sample	Second Sample	Sobs First Sample	Sobs Second Sample	Shared Species Observed	Sorensen Classic	Bray-Curtis
1	2	14	14	13	0.929	0.785
1	3	14	15	13	0.897	0.787
1	4	14	12	11	0.846	0.759
2	3	14	15	13	0.897	0.83
3	4	15	12	12	0.889	0.816
2	4	14	12	11	0.789	0.804

Appendix 5: Classic Sorensen and Bray Curtis Similarity Index for Urban Sites

First Sample	Second Sample	Sobs First Sample	Sobs Second Sample	Shared Species Observed	Sorensen Classic	Bray-Curtis
1	2	15	15	15	1	0.943
1	3	15	15	15	1	0.839
1	4	15	15	15	1	0.827
2	4	15	15	15	1	0.852
2	3	15	15	15	1	0.85
3	4	15	15	15	1	0.903