

TABLES

TABLE NO. I - Mean concentration and percentage contribution of different spore types to the total airspora indicating their importance in number.

Sr. No.	Name of spore	Mean Conc.No./m ³	% Contribution to the total air spora	Sr. No.	Name of the spore	Mean Conc.No./m ³	% Contribution to the total air spora
1	2	3	4	1	2	3	4
1.	<u>Smut spores</u>	69315	34.974	13.	<u>Haplosporella</u>	1990	1.004
2.	<u>Alternaria</u>	19590	9.884	14.	<u>Pithomyces</u>	1850	0.933
3.	<u>Uredospores</u>	18775	9.473	15.	<u>Diplodia</u>	1835	0.925
4.	<u>Nigrospora</u>	15310	7.725	16.	<u>Bispora</u>	1740	0.827
5.	<u>Helminthosporium</u>	12680	6.398	17.	<u>Chaetomium</u>	1410	0.711
6.	<u>Curvalaria</u>	11710	5.908	18.	<u>Bactridium</u>	965	0.486
7.	<u>Epicoccum</u>	10740	5.419	19.	<u>Arthrobotryum</u>	830	0.418
8.	<u>Cladosporium</u>	5965	3.009	20.	<u>Diplodia</u>	740	0.373
9.	<u>Sclerospora</u> (Oospores)	5920	2.987	21.	<u>Botryodiplodia</u>	685	0.345
10.	<u>Clasterosporium</u>	2865	1.445	22.	<u>Camposporium</u>	685	0.345
11.	<u>Phialophora</u>	2110	1.216	23.	<u>Pleospora</u>	675	0.340
12.	<u>Unidentified group</u>	2070	1.044	24.	<u>Dendryophiopsis</u>	610	0.307

1	2	3	4	1	2	3	4
25.	Insect scales	600	0.302	41.	<u>Phoma</u>	120	0.058
26.	<u>Xylaria</u>	585	0.295	42.	<u>Dactylosporium</u>	110	0.052
27.	<u>Beltrania</u>	570	0.287	43.	<u>Pseudotorula</u>	105	0.049
28.	<u>Torula</u>	510	0.257	44.	<u>Dichomera</u>	85	0.043
29.	Hyphal fragment	510	0.257	45.	<u>Sporormia</u>	80	0.040
30.	<u>Dendrographium</u>	500	0.252	46.	<u>Cylindrocarpon</u>	75	0.037
31.	<u>Scolecotrichum</u>	415	0.209	47.	<u>Coniothyrium</u>	60	0.030
32.	<u>Wordomyces</u>	345	0.174	48.	<u>Basidiobotrys</u>	55	0.027
33.	<u>Hysterographium</u>	230	0.116	49.	<u>Ceratosporium</u>	50	0.025
34.	Algal fragments	225	0.113	50.	<u>Hirudinaria</u>	50	0.025
35.	<u>Stagnospora</u>	220	0.111	51.	<u>Hypoxyton</u>	40	0.020
36.	Xylem fibres	175	0.088	52.	<u>Hysterium</u>	40	0.020
37.	<u>Hendersonia</u>	170	0.085	53.	<u>Pseudobotrytis</u>	40	0.020
38.	<u>Meliola</u>	155	0.078	54.	<u>Sirodesmium</u>	35	0.017
39.	<u>Spegazzinia</u>	150	0.075	55.	<u>Catinula</u>	30	0.015
40.	<u>Tetraploa</u>	140	0.070	56.	<u>Penicillium</u>	20	0.012

1	2	3	4	1	2	3	4
57.	<u>Leptosphaeria</u>	15	0.009				
58.	<u>Septoria</u>	10	0.006				
59.	<u>Seimatosporium</u>	10	0.006				
60.	<u>Stigmella</u>	10	0.006				
61.	Teleutospores	5	0.003				

TABLE NO. II - Variation in mean concentration and the percentage contribution of the different spore types to the total air spora.

Sr. No.	Name of spore	Mean Conc.No./m ³	% Contribution to the total air spora	Sr. No.	Name of spore	Mean Conc.No./m ³	% Contribution to the total air spora
1	2	3	4	1	2	3	4
1.	Algal fragments	225	0.113	13.	<u>Cladosporium</u>	5965	3.009
2.	<u>Alternaria</u>	19590	9.884	14.	<u>Clasterosporium</u>	2865	1.445
3.	<u>Arthrobotryum</u>	830	0.418	15.	<u>Coniothyrium</u>	60	0.030
4.	<u>Bactridium</u>	965	0.486	16.	<u>Curvularia</u>	11710	5.908
5.	<u>Basidiobotrys</u>	55	0.027	17.	<u>Cylindrocarpon</u>	75	0.037
6.	<u>Beltrania</u>	570	0.287	18.	<u>Dactylosporium</u>	110	0.052
7.	<u>Bispora</u>	1740	0.827	19.	<u>Dentroglyphium</u>	500	0.252
8.	<u>Botryodiplodia</u>	685	0.345	20.	<u>Dendryophiopsis</u>	610	0.307
9.	<u>Camposporium</u>	685	0.345	21.	<u>Dichomera</u>	85	0.043
10.	<u>Catinula</u>	30	0.015	22.	<u>Diplodia</u>	740	0.373
11.	<u>Ceratosporium</u>	50	0.025	23.	<u>Diplodina</u>	1835	0.925
12.	<u>Chaetomium</u>	1410	0.711	24.	<u>Epicoccum</u>	10740	5.419

1	2	3	4	1	2	3	4
25.	<u>Haplosporella</u>	1990	1.004	41.	<u>Pleospora</u>	675	0.340
26.	<u>Helminthosporium</u>	12680	6.398	42.	<u>Pseudobotrytis</u>	40	0.020
27.	<u>Hendersonia</u>	170	0.085	43.	<u>Pseudotorula</u>	105	0.049
28.	<u>Hirudinaria</u>	50	0.025	44.	<u>Sclerospora Oospores</u>	5920	2.987
29.	<u>Hyphal fragments</u>	510	0.257	45.	<u>Scolecotrichum</u>	415	0.209
30.	<u>Hypoxyton</u>	40	0.020	46.	<u>Septoria</u>	10	0.006
31.	<u>Hysterium</u>	40	0.020	47.	<u>Seimatasporium</u>	10	0.006
32.	<u>Hysterographium</u>	230	0.116	48.	<u>Sirodesmium</u>	35	0.017
33.	<u>Insect scales</u>	600	0.302	49.	<u>Smut spores</u>	69315	34.914
34.	<u>Leptasphaera</u>	15	0.009	50.	<u>Spegazzinia</u>	150	0.075
35.	<u>Meliola</u>	155	0.078	51.	<u>Sporormia</u>	80	0.040
36.	<u>Nigrospora</u>	15310	7.725	52.	<u>Stagnospora</u>	220	0.111
37.	<u>Penicillium</u>	20	0.012	53.	<u>Stigmella</u>	10	0.006
38.	<u>Phialophora</u>	2110	1.216	54.	<u>Teleutospore</u>	5	0.003
39.	<u>Phoma</u>	120	0.058	55.	<u>Tetraploa</u>	140	0.070
40.	<u>Pithomyces</u>	1850	0.933	56.	<u>Torula</u>	510	0.257

1	2	3	4	1	2	3	4
57.	Unidentified group	2070	1.155				
58.	Uredospores	18775	9.473				
59.	<u>Wordomyces</u>	345	0.174				
60.	<u>Xylaria</u>	585	0.295				
61.	Xylem fibres	175	0.088				

TABLE NO. III-B : Monthwise average percentage contribution of each spore group from 1st January 1987 to 30th June 1987.

Sr.No.	Spore group	Jan.	Feb.	March	April	May	June
1.	Phycomycetes	0.810	0.022	2.378	0.000	12.745	4.882
2.	Ascomycetes	2.161	2.273	1.707	1.547	2.522	0.807
3.	Basidiomycetes	46.383	40.882	43.704	46.526	27.456	49.842
4.	Deuteromycetes	48.132	53.865	49.161	50.661	56.107	43.738
5.	Others	2.511	3.024	3.048	1.264	1.168	0.728

TABLE NO. III-B : Monthwise average percentage contribution of each spore group from 1st January 1987 to 30th June 1987.

Sr.No.	Spore group	Jan.	Feb.	March	April	May	June
1.	Phycomycetes	0.810	0.022	2.378	0.000	12.745	4.882
2.	Ascomycetes	2.161	2.273	1.707	1.547	2.522	0.807
3.	Basidiomycetes	46.383	40.882	43.704	46.526	27.456	49.842
4.	Deuteromycetes	48.132	53.865	49.161	50.661	56.107	43.738
5.	Others	2.511	3.024	3.048	1.264	1.168	0.728

TABLE No.IV-A : Average monthly /percentage contribution of each spore type
from 1st January 1987 to 30th June 1987.

Sr. No.	Name of spore	Jan.	Feb.	March	April	May	June
1.	<u>Sclerospora Oospores</u>	4.307	0.084	13.175	0.000	40.540	41.891
2.	<u>Chaetomium</u>	31.672	14.539	17.021	16.666	11.347	8.865
3.	<u>Hypoxylon</u>	12.5	-	25.00	-	25.00	37.50
4.	<u>Hysterium</u>	-	-	-	-	62.500	37.500
5.	<u>Hysterographium</u>	-	-	-	15.217	32.608	52.173
6.	<u>Leptosphaera</u>	-	-	-	-	100.00	-
7.	<u>Meliola</u>	=	-	51.612	25.806	9.677	12.903
8.	<u>Pleospora</u>	25.185	23.703	17.037	14.814	9.629	9.629
9.	<u>Sporormia</u>	-	37.5	12.5	18.75	38.461	-
10.	<u>Xylaria</u>	10.256	17.948	9.401	39.316	14.529	8.547
11.	Smut spores	15.638	10.106	16.850	23.984	2.878	30.541
12.	Teleutospores	-	-	100.00	-	-	-
13.	Uredospores	19.973	10.572	14.141	16.324	16.910	22.077
14.	<u>Alternaria</u>	20.622	12.863	14.854	20.954	11.357	19.346
15.	<u>Arthrobotryum</u>	-	1.204	1.807	15.622	19.879	61.445

Sr. No.	Name of spore	Jan.	Feb.	March	April	May	June
16.	<u>Bactridium</u>	3.626	5.181	8.290	34.715	7.253	40.932
17.	<u>Basidiobotrys</u>	-	-	-	-	90.909	9.090
18.	<u>Beltrania</u>	-	12.612	62.526	7.894	11.403	7.894
19.	<u>Bispora</u>	63.109	21.341	11.280	3.048	1.219	-
20.	<u>Botryodiplodia</u>	33.576	5.109	7.299	19.708	21.167	13.138
21.	<u>Camposporium</u>	9.090	21.212	25.000	22.727	3.787	18.181
22.	<u>Catinula</u>	-	-	-	-	50.000	50.000
23.	<u>Ceratosporium</u>	70.000	30.000	-	-	-	-
24.	<u>Cladosporium</u>	11.399	10.561	20.284	32.103	4.777	20.871
25.	<u>Clasterosporium</u>	5.584	15.183	13.438	34.380	8.376	23.036
26.	<u>Coniothyrium</u>	-	16.666	50.000	16.666	16.000	-
27.	<u>Curvularia</u>	19.982	11.229	17.805	21.562	10.888	18.531
28.	<u>Cylindrocarpou</u>	-	-	-	-	13.333	86.666
29.	<u>Dactylosporium</u>	-	-	47.619	19.047	28.571	4.761
30.	<u>Dendrographium</u>	5.000	6.000	6.000	9.000	43.000	31.000
31.	<u>Dendryophiopsis</u>	15.573	12.295	31.967	9.016	18.032	13.114

Sl. No.	Name of spore	Jan.	Feb.	March	April	May	June
32.	<u>Dichomera</u>	-	-	-	10.526	78.947	10.526
33.	<u>Diplodia</u>	29.054	18.243	3.378	16.216	10.135	22.972
34.	<u>Diplodina</u>	15.258	30.790	21.798	23.978	1.634	6.539
35.	<u>Epicoccum</u>	11.033	9.590	20.670	25.512	8.472	24.720
36.	<u>Haplosporella</u>	3.768	20.854	18.090	27.638	2.763	26.884
37.	<u>Helminthosporium</u>	19.873	13.643	13.209	21.253	9.779	22.239
38.	<u>Hendersonia</u>	2.941	11.764	50.000	2.941	8.823	23.529
39.	<u>Hirudinaria</u>	50.000	-	-	10.000	30.000	10.000
40.	<u>Nigrospora</u>	9.013	11.136	17.047	21.489	14.173	27.139
41.	<u>Penicillium</u>	100.000	-	-	-	-	-
42.	<u>Phialophora</u>	-	1.244	17.634	7.053	8.091	65.975
43.	<u>Phoma</u>	-	-	1.923	25.000	60.576	12.500
44.	<u>Pithomyces</u>	8.648	11.081	20.810	31.081	7.567	20.810
45.	<u>Pseudobotrytis</u>	-	-	-	100.000	-	-
46.	<u>Pseudotorula</u>	-	-	-	47.619	52.381	-

Sr. No.	Name of spore	Jan.	Feb.	March	April	May	June
47.	<u>Scolecotrichum</u>	32.530	28.915	18.072	-	10.843	9.638
48.	<u>Septoria</u>	-	-	-	-	100.000	-
49.	<u>Seimatosporium</u>	-	-	-	-	50.000	50.000
50.	<u>Sirodesmium</u>	-	-	14.285	57.142	-	28.571
51.	<u>Spegazzinia</u>	-	13.333	26.666	26.666	30.000	3.000
52.	<u>Stagnospora</u>	9.090	9.090	11.363	-	4.545	65.909
53.	<u>Stigmella</u>	100.000	-	-	-	-	-
54.	<u>Tetraploa</u>	14.285	-	25.000	25.000	17.857	17.857
55.	<u>Torula</u>	49.019	26.470	8.823	2.941	8.823	3.921
56.	<u>Wordomyces</u>	26.086	8.695	5.797	1.449	39.130	18.840
57.	Algal fragments	13.333	8.888	15.555	20.000	20.000	22.222
58.	Hyphal fragments	25.490	6.862	27.450	13.725	13.725	12.745
59.	Insect scales	12.500	5.833	33.333	29.166	8.333	10.833
60.	Unidentified group	25.472	18.003	29.692	14.576	2.272	9.981
61.	Xylem fibers	11.428	11.428	25.714	8.571	25.714	17.142

TABLE NO. IV-B :- Monthwise average percentage contribution of each spore type
from 1st January 1987 to 30th June 1987.

Sr. NO.	Name of spore	Jan.	Feb.	March	April	May	June
1.	<u>Sclerospora</u>	0.811	0.022	2.378	-	12.745	4.887
2.	<u>Chaetomium</u>	1.415	0.931	0.731	0.555	0.849	0.246
3.	<u>Hypoxylon</u>	0.015	-	0.030	-	0.053	0.029
4.	<u>Hysterium</u>	-	-	-	-	0.132	0.029
5.	<u>Hystero-graphium</u>	-	-	-	0.082	0.398	0.236
6.	<u>Leptosphaera</u>	-	-	-	-	0.079	-
7.	<u>Meliola</u>	-	-	0.243	0.094	0.079	0.039
8.	<u>Pleospora</u>	0.540	0.727	0.350	0.236	0.345	0.128
9.	<u>Sporormia</u>	-	0.136	0.030	0.035	0.132	-
10.	<u>Xylaria</u>	0.190	0.477	0.167	0.543	0.451	0.098
11.	Smut spores	34.478	31.833	35.609	39.284	10.594	41.722
12.	Teleutospores	-	-	0.015	-	-	-
13.	Uredospores	11.927	9.020	8.094	7.242	16.861	8.169
14.	<u>Alternaria</u>	12.849	11.451	8.871	9.699	11.861	7.469
15.	<u>Arthrotrium</u>	-	0.045	0.045	0.307	0.876	1.005

Sl. No.	Name of spore	Jan.	Feb.	March	April	May	June
16.	<u>Bactridium</u>	0.111	0.227	0.243	0.719	0.371	0.778
17.	<u>Basidiobotrys</u>	-	-	-	-	0.265	0.009
18.	<u>Beltrania</u>	-	0.318	1.051	0.106	0.345	0.088
19.	<u>Bispora</u>	3.291	1.590	0.564	0.118	0.106	-
20.	<u>Botryodiplodia</u>	0.731	0.159	0.152	0.318	0.770	0.177
21.	<u>Camposporium</u> ?	0.190	0.636	0.503	0.354	0.132	0.236
22.	<u>Catinula</u>	-	-	-	-	0.079	0.029
23.	<u>Ceratosporium</u>	0.111	0.068	-	-	-	-
24.	<u>Cladosporium</u>	2.162	2.862	3.689	4.525	1.513	2.453
25.	<u>Clasterosporium</u>	0.508	1.976	1.173	2.327	1.274	1.300
26.	<u>Coniothyrium</u>	-	0.045	0.091	0.023	0.053	-
27.	<u>Curvularia</u>	7.442	5.975	6.356	5.966	6.771	4.276
28.	<u>Cylindrocarpon</u>	-	-	-	-	0.053	0.128
29.	<u>Dactylosporium</u>	-	-	0.152	0.047	0.154	0.009
30.	<u>Dendrographium</u>	0.079	0.136	0.091	0.106	1.141	0.305

→ Camposporium?

Sr. No.	Name of spore	Jan.	Feb.	March	April	May	June
31.	<u>Dendryophiopsis</u>	0.302	0.340	0.594	0.129	0.584	0.157
32.	<u>Dichomera</u>	-	-	-	0.023	0.398	0.019
33.	<u>Diplodia</u>	0.683	0.613	0.076	0.283	0.398	0.335
34.	<u>Diplodina</u>	0.890	2.567	1.219	1.039	0.159	0.236
35.	<u>Epicoccum</u>	3.769	4.680	6.768	6.474	4.832	5.232
36.	<u>Haplosporella</u>	0.238	1.885	1.097	1.299	0.292	1.054
37.	<u>Helminthosporium</u>	8.015	7.861	5.106	6.368	6.585	5.557
38.	<u>Hendersonia</u>	0.015	0.090	0.259	0.011	0.079	0.078
39.	<u>Hirudinaria</u>	0.079	-	-	0.011	0.079	0.009
40.	<u>Nigrospora</u>	4.389	7.748	7.957	7.774	11.524	8.188
41.	<u>Penicillium</u>	0.063	-	-	-	-	-
42.	<u>Phialophora</u>	-	0.136	1.295	0.401	1.035	3.133
43.	<u>Phoma</u>	-	-	0.030	0.307	1.672	0.128
44.	<u>Pithomyces</u>	0.508	0.931	1.173	1.358	0.743	0.758
45.	<u>Pseudobotrytis</u>	-	-	-	0.094	-	-

How to distinguish among conidia?

How to distinguish among spores only

How to distinguish among conidia?

Sr. No.	Name of spore	Jan.	Feb.	March	April	May	June
46.	<u>Pseudotorula</u>	-	-	-	0.118	0.292	-
47.	<u>Scolectrichum</u>	0.429	0.545	0.228	-	0.238	0.078
48.	<u>Septoria</u>	-	-	-	-	0.026	0.009
49.	<u>Seimatosporium</u>	-	-	-	-	0.026	0.009
50.	<u>Sirodesmium</u>	-	-	0.015	0.047	-	0.019
51.	<u>Spegazzinia</u>	-	0.090	0.121	0.094	0.238	0.009
52.	<u>Stagnospora</u>	0.063	0.090	0.076	-	0.053	0.285
53.	<u>Stigmella</u>	0.031	-	-	-	-	-
54.	<u>Tetraploa</u>	0.063	-	0.106	0.082	0.132	0.049
55.	<u>Torula</u>	0.795	0.613	0.137	0.035	0.238	0.039
56.	<u>Wordomyces</u>	0.286	0.136	0.060	0.011	0.716	0.128
57.	Algal fragments	0.095	0.090	0.106	0.106	0.238	0.098
58.	Hyphal fragments	0.413	0.159	0.426	0.165	0.371	0.128
59.	Insect scales	0.238	0.159	0.609	0.413	0.265	0.128
60.	Unidentified group	1.700	2.521	1.767	0.660	0.053	0.225
61.	Xylem fibers	0.063	0.090	0.137	0.035	0.238	0.059

TABLE NO.V :- Components of the air spora of S.G.M.College Library and its seasonal variations, percentage contribution and other data during the period of 1st January 1987 to 30th June 1987.

Sr. No.	Name of the Biopollutant	Seasonal periodicity Period of occurrence	Peak period	No.of days with catches	Conc.3 No./m of Air	% Contribution to the total air spora
1	2	3	4	5	6	7
1.	<u>Smut spores</u>	1 to 6	4,6	171	69315	34.914
2.	<u>Alternaria</u>	1 to 6	4,1,6	181	19590	9.884
3.	<u>Uredospores</u>	1 to 6	6,1,5	175	18775	9.473
4.	<u>Nigrospora</u>	1 to 6	6,4	180	15310	7.725
5.	<u>Helminthosporium</u>	1 to 6	6,4	178	12680	6.398
6.	<u>Curvularia</u>	1 to 6	4,1	109	11710	5.908
7.	<u>Epicoccum</u>	1 to 6	4,6	171	10740	5.419
8.	<u>Cladosporium</u>	1 to 6	4,6	132	5965	3.009
9.	<u>Sclerospora (Oospores)</u>	1 to 6	6,5	106	5920	2.987
10.	<u>Clasterosporium</u>	1 to 6	4,6	107	2865	1.445
11.	<u>Phialophora</u>	2 to 6	6,3	59	2110	1.216

1	2	3	4	5	6	7
12.	Unidentified group	1 to 6	3,1	117	2070	1.155
13.	<u>Haplosporella</u>	1 to 6	4,6	102	1990	1.004
14.	<u>Pithomyces</u>	1 to 6	4,3,6	113	1850	0.933
15.	<u>Diplodina</u>	1 to 6	2,4	64	1835	0.925
16.	<u>Bispora</u>	1 to 5	1,2	67	1740	0.827
17.	<u>Chaetomium</u>	1 to 6	1,3	77	1410	0.711
18.	<u>Bactridium</u>	1 to 6	6,4	57	965	0.486
19.	<u>Arthrobotryum</u>	2 to 6	6,5	38	830	0.418
20.	<u>Diplodia</u>	1 to 6	1,6	55	740	0.373
21.	<u>Botryodiplodia</u>	1 to 6	1,5	48	685	0.345
22.	<u>Camposporium</u> // 2	1 to 6	3,4	61	685	0.345
23.	<u>Pleospora</u>	1 to 6	1,2	43	675	0.340
24.	<u>Dendyophiopsis</u> // 2	1 to 6	3,5	48	610	0.307
25.	Insect scales	1 to 6	3,4	105	600	0.302
26.	<u>Xylaria</u>	1 to 6	4,2	46	585	0.295
27.	<u>Beltrania</u>	2 to 6	3,2	48	570	0.287
28.	<u>Torula</u>	1 to 6	1,2	50	510	0.257

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1	2	3	4	5	6	7
29.	Hyphal fragments	1 to 6	3,1	48	510	0.257
30.	<u>Dendrographium</u>	1 to 6	5,6	43	500	0.257
31.	<u>Scolecotrichum</u>	1 to 3,5,6	1,2	28	415	0.209
32.	<u>Wordomyces</u>	1 to 6	5,1	21	345	0.174
33.	<u>Hysterographium</u>	4 to 6	6,5	27	230	0.116
34.	Algal fragments	1 to 6	6,5	46	225	0.113
35.	<u>Stagnospora</u>	1 to 3,5,6	6,3	21	220	0.111
36.	Xylem fibers	1 to 6	3,5	30	175	0.088
37.	<u>Hendersonia</u>	1 to 6	3,6	18	170	0.085
38.	<u>Meliola</u>	3 to 6	3,4	14	155	0.078
39.	<u>Spegazzinia</u>	2 to 6	5,4	18	150	0.075
40.	<u>Tetraploa</u>	1,3 to 6	3,4,5	24	140	0.070
41.	<u>Phoma</u>	3,4,5,6	5,4	30	120	0.058
42.	<u>Dactylosporium</u>	3 to 6	3,5	12	110	0.052
43.	<u>Pseudotorula</u>	4,5	5	8	105	0.049
44.	<u>Dichomera</u>	4 to 6	5	10	85	0.043
45.	<u>Sporormia</u>	2 to 5	5,2	8	80	0.040

1	2	3	4	5	6	7
46.	<u>Cylindrocarpon</u>	5,6	6	8	75	0.037
47.	<u>Coniothyrium</u>	2 to 5	3,4	7	60	0.030
48.	<u>Basidiobotrys</u>	5,6	5	4	55	0.027
49.	<u>Ceratosporium</u>	1,2	1	3	50	0.025
50.	<u>Hirudinaria</u>	1,4 to 6	1,5	7	50	0.025
51.	<u>Hypoxyton</u>	1,3,5,6	6,5	6	40	0.020
52.	<u>Hysterium</u>	5,6	5	6	40	0.020
53.	<u>Pseudobotrytis</u>	4	4	2	40	0.020
54.	<u>Sirodesmium</u>	3,4,6	4	5	35	0.017
55.	<u>Catinula</u>	5,6	5	4	30	0.015
56.	<u>Penicillium</u>	1	1	1	20	0.012
57.	<u>Leptosphaera</u>	5	5	1	15	0.009
58.	<u>Septoria</u>	5	5	1	10	0.006
59.	<u>Seimatosporium</u>	5,6	6	2	10	0.006
60.	<u>Stigmella</u>	1	1	2	10	0.006
61.	Teleutospore	3	3	1	5	0.003

TABLE NO. VI Monthly variations in total spore counts with respect to rain fall and temperature.*

Year 1987	Months	Rain fall (mm)	Temperature, °C.			Spore counts/m ³
			Maximum	Minimum	Mean	
	January	-	26.2	12.4	19.3	31440
	February	-	30.3	13.7	22.0	22355
	March	-	26.4	14.6	20.5	31800
	April	-	30.9	16.8	23.85	42885
	May	16.2	38.7	22.7	30.7	18960
	June	61.6	34.6	25.4	30.0	50745

* Courtesy:- Agricultural Department
Zilha Parishad, Satara.

TABLE NO.VII : Monthly variation in trace spores number/m³ from January 1987 to June 1987.

Sr. No.	Name of spore	Jan.	Feb.	March	April	May	June	Total
1.	<u>Hypoxylon</u>	5	-	10	-	10	15	40
2.	<u>Hysterium</u>	-	-	-	-	25	15	40
3.	<u>Hysteroglyphium</u>	-	-	-	35	75	120	230
4.	<u>Leptosphaera</u>	-	-	-	-	15	-	15
5.	<u>Meliola</u>	-	-	80	40	15	20	155
6.	<u>Sporormia</u>	-	30	10	15	25	-	80
7.	<u>Teleutospores</u>	-	-	5	-	-	-	5
8.	<u>Basidiobotrys</u>	-	-	-	-	50	5	55
9.	<u>Catinula</u>	-	-	-	-	15	15	30
10.	<u>Ceratosporium</u>	35	15	-	-	-	-	50
11.	<u>Coniothyrium</u>	-	10	30	10	10	-	60
12.	<u>Cylindrocarpon</u>	-	-	-	-	10	65	75
13.	<u>Dactylosporium</u>	-	-	55	20	30	5	110
	<u>Dichomera</u>	-	-	-	-	75	10	85

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Sr. No.	Name of spore	Jan.	Feb.	March	April	May	June	Total
15.	<u>Hendersonia</u>	5	20	85	5	15	40	170
16.	<u>Hirudinaria</u>	25	-	-	5	15	5	50
17.	<u>Penicillium</u>	20	-	-	-	-	-	20
18.	<u>Pseudotorula</u>	-	-	-	50	55	-	105
19.	<u>Pseudobotrytis</u>	-	-	-	40	-	-	40
20.	<u>Septoria</u>	-	-	-	-	10	-	10
21.	<u>Seimatosporium</u>	-	-	-	-	5	5	10
22.	<u>Sirodesmium</u>	-	-	5	20	-	10	35
23.	<u>Spegazzinia</u>	-	20	40	40	45	5	150
24.	<u>Stagnospora</u>	20	20	25	-	10	145	220
25.	<u>Stigmella</u>	10	-	-	-	-	-	10
26.	<u>Tetraploa</u>	20	-	35	35	25	25	140
27.	Algal fragments	30	20	35	45	45	50	225

TABLE NO. VIII : Variation in spore group number of spores/m³ during
January 1987 to June 1987.

Sr. No.	Spore group	Total spores/m ³	Contribution % to the total air spora
1.	Phycomycetes	5920	2.987
2.	Ascomycetes	3230	1.629
3.	Basidiomycetes	88095	44.450
4.	Deuteromycetes	97360	49.125
5.	Others	3580	1.806
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	Spore groups :-	5 (Five)	
	Total air spora :-	198185/m ³	
	Contribution total :-		99.997%