

# TABLES

**Table: 1 Distribution of fungi in the four soils.**

Sr. No.	Name of the fungus	Soils			
		Soil -A	Soil-B	Soil-C	Soil-D
1	<i>Rhizopus arrhizus</i> Fischer.	-	+	-	-
2	<i>Rhizopus nigricans</i> Ehrenb. Var. Minutus Chaudhari	-	+	-	-
3	<i>Rhizopus nodosus</i> Namyslowski	-	-	+	+
4	<i>Mucor pusillus</i> Lindt	-	-	+	-
5	<i>Cunninghamella verticillata</i> Stadel	+	-	+	-
6	<i>Trichoderma koningi</i> Oudemans	+	+	+	+
7	<i>Trichoderma glaucum</i> Abbot	-	+	+	-
8	<i>Trichoderma lignorum</i> (Tode) Harz	-	-	+	-
9	<i>Trichoderma viride</i> Pers. & ex Fries	-	+	+	-
10	<i>Aspergillus fumigatus</i> Fresenius	+	+	-	+
11	<i>Aspergillus ustus</i> (Bainier) Thom & Church	+	+	+	+
12	<i>Aspergillus flavus</i> Link ex Fries	+	+	+	+
13	<i>Aspergillus terreus</i> Thom	+		+	
14	<i>Aspergillus clavatus</i> Desm	-	+	-	+
15	<i>Aspergillus niger</i> van Tieghem	+	+	+	+
16	<i>Aspergillus awamori</i> Nakazawa	+	+	-	-
17	<i>Aspergillus candidus</i> Link ex Fries	+	+	+	+
18	<i>Aspergillus sydowi</i> (Bain. & Sart.) Thom & Church	+		+	+
19	<i>Penicillium rugulosum</i> Thom	+	+	-	-
20	<i>Penicillium rubrum</i> Stoll	-	+	-	-
21	<i>Penicillium verruculosum</i> Peyronel	-	-	-	+
22	<i>Penicillium minio-luteum</i> Dierckx	-	-	-	+
23	<i>Cladosporium cucumerinum</i> Ellis & Arth	+	+	-	+
24	<i>Curvularia lunata</i> (Wakker) Boedign	+	+	-	-

25	<i>Curvularia inaequalis</i> (Shear) Boedign	+	-	-	-
26	<i>Curvularia brachyspora</i> Boedign	-	-	+	-
27	<i>Curvularia pallescens</i> Boedign	-	-	+	-
28	<i>Alternaria palandui</i> Ayyangar	+	-	-	-
29	<i>Fusarium oxysporum</i> Schl. ex Fries f. <i>lathyri</i> (Bhide & Uppal) Gordon	+	+	+	-
30	<i>Fusarium poae</i> (Peck) Wr.	+	+	-	+
31	<i>Fusarium aurantiacum</i> Corda ex Fries	-	+	-	-
32	<i>Fusarium lactis</i> Pirota & Riboni	+	-	+	-
33	<i>Fusarium chlamydosporum</i> Wr. & Rg.	+	+	+	+
34	<i>Fusarium sporotrichioides</i> Sherbakoff		+	+	+
35	<i>Fusarium solani</i> (Martius) Appel & Wollenweber var. <i>striatum</i> (Sherbakoff) Wollenweber	+	-	+	-
36	<i>Bipolaris spicifera</i> (Bainier) Subram.	+	+	+	+
37	<i>Memnoniella echinata</i> Hohnel	+	+	+	+
38	<i>Brachysporium nigrum</i> (Link) Hughes	-	+	-	-
39	<i>Stachybotrys chartarum</i> (Ehrenb.) Hughes	-	+	-	-
40	<i>Stachybotrys atra</i> Corda	-	+	-	-
41	<i>Scytalidium thermophilum</i> (Cooney & Emerson) Austwick	-	-	+	+
42	<i>Verticillium terrestre</i> (Link) Lindau	-	-	-	+
43	<i>Verticillium candelabrum</i> Bonorden	-	-	+	+
44	<i>Gliocladium penicillioides</i> Corda	-	-	-	+
45	<i>Gliocladium vermoeseni</i> (Biourge) Thom	-	+	+	+
46	<i>Tichurus spiralis</i> Hasselbring	-	-	+	+
47	<i>Nigrospora sphaerica</i> (Sacc.) Mason	+	-	-	-
48	<i>Chaetomium olivaceum</i> Cooke & Ellis	-	-	-	+

**Table - 2 Physico-chemical factors in the four soils during twelve months.**

(Moisture content %)

Sr. No.	Months	Moisture content %			
		Soil-A	Soil-B	Soil-C	Soil-D
1	November, 07	15	17	20	18
2	December, 07	19	20	22	20
3	January, 08	15	18	20	22
4	February, 08	21	20	17	18
5	March, 08	18	16	16	18
6	April, 08	27	28	27	21
7	May, 08	15	17	20	17
8	June, 08	25	22	23	21
9	July, 08	22	21	25	22
10	August, 08	19	18	22	21
11	September, 08	19	19	18	17
12	October, 08	17	17	20	18

**Table- 3 P<sup>H</sup> of four soils during twelve months.**

Sr. No.	Months	PH of soil			
		Soil-A	Soil-B	Soil-C	Soil-D
1	November, 07	7.0	8.0	7.5	7.5
2	December, 07	7.7	7.5	7.5	7.0
3	January, 08	7.6	7.5	7.7	7.8
4	February, 08	7.6	7.5	8.0	8.2
5	March, 08	7.9	7.7	7.9	8.0
6	April, 08	8.2	8.0	7.7	7.5
7	May, 08	8.8	8.2	8.1	7.8
8	June, 08	8.0	7.7	8.0	7.5
9	July, 08	8.4	7.9	8.1	8.1
10	August, 08	8.1	7.9	8.5	7.5
11	September, 08	7.5	7.5	7.5	7.0
12	October, 08	7.5	7.5	8.0	7.4

Table- 4. Physico- chemical factors in four soils during twelve months.

Sr. No.	Month	Manganese in mg / 100 gm of soil				Iron in mg/ 100 gm of soil				Magnesium in mg / 100 gm of soil			
		Soil A	Soil B	Soil C	Soil D	Soil A	Soil B	Soil C	Soil D	Soil A	Soil B	Soil C	Soil D
1	November, 07	0.045	0.030	0.050	0.030	1.51	1.42	1.72	1.89	8.25	8.19	10.02	10.2
2	December, 07	0.050	0.035	0.050	0.035	1.61	1.50	1.75	1.90	8.50	10.05	10.02	10.2
3	January, 08	0.055	0.035	0.015	0.041	1.12	0.93	1.10	1.28	4.72	6.03	7.52	6.73
4	February, 08	0.050	0.010	0.035	0.040	1.16	0.98	1.15	0.92	6.63	6.82	11.51	9.04
5	March, 08	0.050	0.045	0.035	0.045	1.13	0.8	0.89	1.16	7.82	5.75	10.02	5.76
6	April, 08	0.045	0.050	0.020	0.040	1.18	1.27	1.40	1.49	7.75	4.57	11.52	7.55
7	May, 08	0.045	0.050	0.030	0.045	1.46	1.07	1.49	1.10	9.73	6.77	8.33	8.7
8	June, 08	0.050	0.055	0.030	0.035	1.36	1.35	1.48	1.00	7.72	6.18	9.72	8.28
9	July, 08	0.055	0.045	0.035	0.025	1.04	1.85	1.06	1.8	7.53	6.79	9.8	13.5
10	August, 08	0.055	0.040	0.040	0.035	1.51	1.31	1.54	1.55	7.92	7.72	9.0	10.5
11	September, 08	0.035	0.030	0.040	0.035	1.42	1.20	1.55	1.58	7.03	7.93	10.2	9.5
12	October, 08	0.040	0.025	0.045	0.025	1.48	1.30	1.60	1.90	8.0	7.72	13.2	10.0

Table- 5. Physico- chemical factors in four soils during twelve months.

Sr. No.	Month	Copper in mg / 100 gm of soil				Zinc in mg / 100 gm of soil			
		Soil A	Soil B	Soil C	Soil D	Soil A	Soil B	Soil C	Soil D
1	November, 07	0.015	0.013	0.021	0.014	0.022	0.022	0.030	0.036
2	December, 07	0.013	0.012	0.022	0.019	0.022	0.030	0.033	0.045
3	January, 08	0.026	0.016	0.026	0.017	0.084	0.023	0.04	0.014
4	February, 08	0.014	0.017	0.026	0.016	0.060	0.012	0.035	0.010
5	March, 08	0.017	0.017	0.026	0.018	0.010	0.010	0.0310	0.020
6	April, 08	0.015	0.017	0.014	0.013	0.019	0.040	0.011	0.021
7	May, 08	0.016	0.014	0.011	0.015	0.043	0.013	0.014	0.018
8	June, 08	0.014	0.011	0.030	0.013	0.050	0.014	0.032	0.018
9	July, 08	0.012	0.030	0.018	0.017	0.026	0.014	0.035	0.021
10	August, 08	0.016	0.018	0.015	0.019	0.056	0.015	0.033	0.033
11	September, 08	0.014	0.015	0.010	0.017	0.043	0.020	0.030	0.034
12	October, 08	0.014	0.010	0.013	0.018	0.021	0.024	0.029	0.030

Table- 6. The Fungi obtained from two different soils of *Citrus* gardens.

Sr. No	Name of the fungus	Nov. 2007		Dec. 2007		Jan. 2008		Feb. 2008		March 2008		Apr. 2008		May 2008		June 2008		July 2008		Aug 2008		Sept. 2008		Oct. 2008.	
		A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B
1	<i>Rhizopus arrhizus</i> Fischer.	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	<i>Rhizopus nigricans</i> Ehrenb. Var. Minutus Chaudhari	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	+	-	-	-	-	-	-	-	-
3	<i>Trichoderma viride</i> Pers & Gray	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	<i>Trichoderma koningi</i> Oudemans	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	+	-	-	-	-	-	-	-	-
5	<i>Trichoderma glaucum</i> Abbot	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	+	-	-	-	-	-	-	-	-
6	<i>Trichoderma lignorum</i> (Tode) Harz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	<i>Aspergillus fumigatus</i> Fresenius	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	+	-	-	-	-	-	-	-
8	<i>Aspergillus ustus</i> (Bainier) Thom & Church	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
9	<i>Aspergillus flavus</i> Link & Fries.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	+	-	-	-	-
10	<i>Aspergillus terreus</i> Thom.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	+	-	-	-	+	-	-	-



Sr No	Name of the fungus	Nov. 2007		Dec. 2007		Jan. 2008		Feb. 2008		March 2008		Apr. 2008		May 2008		June 2008		July 2008		Aug 2008		Sept. 2008		Oct. 2008.		
		A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
22	<i>Fusarium oxysporum</i> Schl. ex Fries f. lathyri (Bhide & Uppal) Gordon	+	-	-	-	-	-	-	-	+	+	-	-	-	-	-	-	-	-	-	-	+	-	-	+	-
23	<i>Fusarium poae</i> (Peck) Wr.	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24	<i>Fusarium aurantiacum</i> Corda ex Fries	-	-	-	-	-	-	-	-	-	-	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25	<i>Fusarium lactis</i> Pirotta & Riboni	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	+	-	-	-	-	-	-	-	-	-
26	<i>Fusarium chlamydosporum</i> Wr. & Rg.	-	-	-	-	+	-	-	-	-	-	-	-	-	-	-	-	-	+	+	-	+	+	-	+	-
27	<i>Fusarium sporotrichioides</i> Sherbakoff	-	-	-	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28	<i>Fusarium solani</i> (Martius) Appel & Wollenweber var. striatum (Sherbakoff) Wollenweber	-	-	-	+	-	-	-	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	+	-
29	<i>Bipolaris spicifera</i> (Bainier) Subram.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	<i>Memnoniella echinata</i> Hohnel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	+	-



Table: - 7. Fungi obtained from two different soils of Grape gardens.

Sr. No	Fungus	Nov. 2007		Dec. 2007		Jan. 2008		Feb. 2008		March, 2008		Apr. 2008		May, 2008		June, 2008		Jul. 2008		Aug. 2008		Sept. 2008		Oct. 2008		
		C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D	
1	<i>Rhizopus nodosus</i> Namyslowski	-	-	-	-	-	-	-	+	-	-	-	+	-	-	-	-	-	-	-	-	-	-	-	-	-
2	<i>Mucor pusillus</i> Lindt	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	<i>Trichoderma viride</i> Pers. & ex Fries	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	+	-	-	-	-	-
4	<i>Trichoderma</i> <i>koningi</i> Oudemans	-	-	-	-	-	-	-	-	-	-	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	<i>Trichoderma</i> <i>glaucum</i> Abbot	-	-	-	-	-	-	-	-	-	-	-	-	+	-	-	-	-	-	-	-	-	-	-	-	-
6	<i>Trichoderma</i> <i>lignorum</i> (Tode) Harz	+	-	-	-	-	-	-	-	-	-	+	-	-	-	-	-	-	+	-	-	-	-	-	-	-
7	<i>Aspergillus</i> <i>fumigatus</i> Fresenius	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	<i>Aspergillus ustus</i> (Bainier) Thom & Church	+	+	+	+	+	+	+	-	-	+	+	+	-	-	-	+	-	+	-	-	-	+	-	-	+
9	<i>Aspergillus flavus</i> Link ex Fries	-	-	-	-	-	-	+	-	-	-	+	+	-	-	-	-	-	-	-	-	-	-	-	-	-
10	<i>Aspergillus terreus</i> Thom	-	-	-	-	-	-	-	-	-	-	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	<i>Aspergillus</i> <i>clavatus</i> Desm.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Sr. No	Fungus	Nov. 2007		Dec. 2007		Jan. 2008		Feb. 2008		March 2008		Apr. 2008		May 2008		June 2008		July 2008		Aug. 2008		Sept. 2008		Oct. 2008		
		C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D	
20	<i>Fusarium chlamydosporum</i> Wollenweber & Reinking	+	-	+	-	-	+	-	-	+	-	-	-	-	-	+	-	-	-	+	-	-	-	-	-	-
21	<i>Fusarium sporotrichioides</i> Sherbakoff	-	-	-	-	-	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	+	-	-	-	-
22	<i>Fusarium lactis</i> Pirota & Riboni	-	-	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23	<i>Fusarium solani</i> (Martius) Appel & Wollenweber var. <i>striatum</i> (Sherbakoff) Wollenweber	-	-	-	-	-	-	-	-	-	-	-	+	-	-	-	-	-	-	-	-	-	-	-	-	+
24	<i>Bipolaris spicifera</i> (Bainier) Subram.	-	-	+	+	-	-	+	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	+
25	<i>Memnoniella echinata</i> (Riv.) Galloway	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	+
26	<i>Cunninghamella verticillata</i> Stadel	-	-	-	-	-	-	-	-	-	-	-	-	-	+	-	-	-	-	-	-	-	-	-	-	-

