

Study on the Aerial Fungal Spore in Taitung

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SUMMARY

According to year round aerial fungi spora correction with Hirst's automatic volumetric spore traper above Taitung District Agricultural Improvement station, the aerial fungi spora had been roughly figured and the results were summerized as follows :

1. 26 genera of fungi spora were corrected during a year.
2. Genera which frequency of fungi spora appeared under 100 per month were Beltrania, Paecilomyces, Drechslera, Cylinorocarpon, Torula and Curvularia.
3. Genera which frequency of fungi spora appeared between 100 -200 per month were Endophoraganiella, phaeospaeria, Cercospora, Cladosporium, Erysiphe, Leptosphaeria, Stemphylium, Tetroploa and pithomyces.
4. Genera which frequency of fungi spora appeared between 200 -300 per month were Botrytis Alternaria, Ascospores and Periconia.
5. Genera which frequency of fungi spora appeared above 300 per month were Coprinus, Ganoderma, Agaricus, Mucorales, Nigrospora, Aspergillus and Penicillium.
6. Number of spora collected increased in mild temperature as spring or autumn, and it decreased in the raining days.

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