Program Outline - 1987 Soil Ecology Meeting, Columbus, OH, Hosted by Clive Edwards

CONTENTS

Introduction	
Interaction between soil-inhabiting invertebrates and microorganisms in relation to plant growth and ecosystem processes: an introduction	
Section 1	
Invertebrate-mediated transport processes in soils	
J.M. Anderson (Exetur. Gt. Britain)	
Linkages between resource availability microorganisms and soil invertebrates	
D. Parkinson (Calgary, Alberta, Canada)	. 2
Metabolic and faunal activity in litters of tree mixtures compared with pure stands	
K. Chapman, O.W. Heal (Grange-over-Sands, Gt. Britain) and J.B. Whittaker (Lancaster,	
Gt. Britain)	. 33
Detrital foodweb interactions in North American grassland ecosystems	
E.I. Elliott, H.W. Hunt and D.E. Walter (Fort Collins, CO, U.S.A.)	41
Soil biotic interactions in the functioning of agroecosystems	
O. Andrén, K. Paustian (Uppeala, Swedon) and T. Rosswall (Linkbying, Swedon)	5
Interactions among soil blota in coniferous ecosystems	
R. Fogel (Ann Arbor, MI, U.S.A.)	69
Interactions among soil blota in desert ecosystems	
J. Zak (Lubbock, TX, U.S.A.) and W. Whitford (Las Cruces, NM, U.S.A.)	87
Effects of macrofauna on soil properties in tropical ecosystems R. Lal (Columbus, OH, U.S.A.)	
It Lat (Onlyings, On, U.S.A.)	101
Section 2	
Interactions of organisms at root/soil and litter/soil interfaces in terrestrial ecosystems	
D.C. Coleman, D.A. Crossley, Jr., M.H. Bears and P.F. Hendrix (Athens, GA, U.S.A.)	117
Indirect effects of interactions between VAM fungi and soil-inhabiting invertebrates on plant	117
Drocesses	
S.C. Rabatin and B.R. Stinner (Wooster, OH, U.S.A.)	125
The influence of microarthropods on symbiotic and non-symbiotic mutualism in detrital-based	190
below-ground food webs	
J.C. Moore (Fort Collins, CO, U.S.A.)	147
Interactions between soil animals and ectomycorrhizal fungal mats	141
K. Cromack, Jr., J.A. Entry, E.R. Ingham (Corvallis, OR, U.S.A.), B.L. Fichter and A.M.	
Moldenke (Corvallis, OR, U.S.A.)	161
Interactions between nematodes and vesicular-arbuscular mycorrhizae	101
R.E. Ingham (Corvallis, OR, U.S.A.)	169
Interactions between organic-matter decomposition level and soilborne disease severity	100
Y.R. Chung, H.A.J. Hoitink and P.E. Lipps (Wooster, OH, U.S.A.)	183
Bacterivorous nematodes and organic-matter decomposition	****
D.W. Freckman (Riverside, CA, U.S.A.)	195
Interactions among soil invertebrates, microbes and plant growth in the tallgrass prairie	
T.R. Seastedt, S.W. James and T.C. Todd (Manhattan, KS. U.S.A.)	219
Interactions between protozog and other organisms	
S.S. Bamforth (New Orleans, LA, U.S.A.)	229
Interactions between earthworms and microorganisms in organic-matter breakdown	100.00
C.A. Edwards (Columbus, OH, U.S.A.) and K.E. Fletcher (Wollosbourne, Ct, Britain)	235

Section 3	
Interactions between root pathogens and soil microarthropods	
E.A. Curl, R. Lartey and C.M. Peterson (Auburn, AL, U.S.A.)	9
Bacterial diseases of nematodes and their role in controlling nematode populations	
R.M. Sayre (Beltsville, MD, U.S.A.)	3
Interaction of plant-parasitic nematodes with soil-borne plant pathogens	
R.M. Riedel (Columbus, OH, U.S.A.)	1
Fungal parasites of cyst nematodes	
B. Kerry (Hertfordshire, Ot. Britain)29	3
Nematophagy by soil arthropods from the shortgrass steppe, Chihushuan Desert and Rocky	
Mountains of the central United States	
D.E. Walter (Fort Colline, CO, U.S.A.)	7
Genetic engineering of soil microorganisms for peat control	
T.L. Graham (Columbus, O.H., U.S.A.)	7
Environmental and ecological problems in the introduction of alien micro-organisms in the soil	
S.W. Fisher and J.D. Briggs (Columbus, OH, U.S.A.)	5
Pest management of soil-inhabiting insects with microorganisms	
M.G. Klein (Wooster, OH, U.S.A.)	7
Ecological considerations in the biological control of soil-inhabiting insects with	
entomopathogenic nematodes	
R. Gaugler (New Brunswick, NJ, U.S.A.)	1
Section 4	
Relating nutrient and water uptake models to biotic interactions, nutrient cycling and plant growth	
T.L. Grove, S.J. Riha and D.R. Bouldin (Ithacu, NY, U.S.A.)	1
An overview of organismal interaction in acceptams in evolutionary and ecological time	
P.W. Price (Flagutaff, AZ, U.S.A.)	9