Response of corn to the applications of phosphorus and potassium in calcareous soils	
M. ABD EL-NAIM	424
Influence of (in)organic N-fertilisation on the quality of sugar beet and potatoes	
G. HOFMAN, J. LAROSSE, R. BOON, and H. VANDENDRIESSCHE	429
Optimum rate of nitrogen fertilization of barley grown in different rotations	
I. PAPASTYLIANOU	438
Soil fertility and fertilizer use control system - scienti- fic basis for a rational use of fertilizers and protection of soil,water and food contamination	
S. MANOJLOVIC	447
Fate of nitrogen fertilizer applied to winter wheat (Triticum aestivum) L.	
J.P. DESTAIN, J. GUIOT and E. FRANCOIS	467
SESSION 4 Agricultural, municipal and industrial liquid and solid wastes, suitability as manure, source for water and plant nutrients, effects on plant	
and soil	475-544
Main lecture	
Use of wastes in agriculture	
R. WARD	477
Olive vegetation water residues composted with other agri- cultural by-products as organic fertilizer	
F. CABRERA, R. LOPEZ, J.M. MURILLO and M.A. BRENAS	490
Continuous corn production with injected liquid swine manure	
G.A. RAINES and T.J. BICKI	499
Reuse of incinerated soil residues in land reclamation	
D.O. JOHNSON, G.D. VAN DYKE, R.M. MILLER and J. JASTROW	508
Recovery of olive oil waste water organic matter for soil fertilization	
U. TOMATI and E. GALLI	517
Effect of potassium and zinc application at two irrigation intervals with sewage water on the grain yield of corn in sandy soil	
M. ABD EL-NAIM and R. EL-AWADY	521
The use in agriculture of fly ash derived from coal-fired electric power generating stations	
G. DELL'AGNOLA and G. VARALLO	527