

CONTENTS

	Vol. 2 page
WORKING GROUP 1	
Water resources for plant production. Interaction between water/irrigation/and nutrient supply / fertilization /	29
Report of the Coordinator	
L. VERMES	30
Interrelation of fertilization, water supply and water utilization in chernozem soils	
L. RUZSÁNYI	31
Fertilizer responses, their residual effects and methods of enhancing fertilizer use efficiency under irrigated situations in Pakistan	
T. M. CHAUDHRY	37
Microaggregation in relation to various soil properties in some clay soils of Sudan and Hungary	
A. E. FADL	41
The possibilities of increasing fertility in eroded fields	
J. KRISZTIÁN and L. HANGYEL	48
Model investigations of soil compaction and waterlogging effects on yield and nutrient uptake by rye	
I. DECHNIK, J. GLINKSKI, S. LABUDA and W. STEPNIEWSKI	51
The efficiency of fertilization and irrigation on corn hybrids	
S. NÉMETHI	55
Effect of irrigation and fertilization on the quality of winter wheat /Triticum aestivum L. "Mv-8" /	
Z. GYÓRI	59
The effect of water- and nutrient supply on hybrid corn / Zea mays L. /	
J. NAGY	62
Interaction effect of inoculation, NPK-fertilization and groundwater depth on biological nitrogen fixation by soybean	
M. H. A. EL SHAKWEER, I. EL SAMANOUDY and M. A. BARAKAT	65
Interaction effect of foliar fertilization and groundwater depth on the biological nitrogen fixation of faba bean	
M. H. A. EL SHAKWEER and M. A. BARAKAT	71
Interaction effect of micronutrient foliar fertilization and groundwater depth on biological nitrogen fixation of faba bean	
M. H. A. EL SHAKWEER	77
Effect of salinity and nitrogen fertilizer on germination, growth and yield of flax	
MUNTHEER M. A. AL-MUKHTAR and D. M. EL-HARIRI	83
Influence of potassium chloride on the salt tolerance of maize and pepper irrigated with saline water	
B. ELEIZALDE	89
Relationships between the moisture and nutrient regime of soils	
G. VÁRALLYAY	95
Organic matter of irrigated soils in the desert zone of Central Asia and improvement of their humus state	
T. M. BARSEGHIAN, E. V. ARANBAEVA and M. P. ARANBAEV	107