

VOLUME V. JANUARY 1976

THE LIBYAN JOURNAL OF

AGRICULTURE

Editor in Chief

Dr. FARID NOUR-ELDIN

Editors

**Dr. MABROUK EL-SHARKAWY
Dr. ADNAN DARWASH
Dr. GILANI ABDELGAWAD
Dr. B. M. SAGHER**

When citing from this Journal, use the following abbreviation:
Libyan J. Agr.

**Published annually by the Faculty of Agriculture,
University of Tripoli, TRIPOLI, LIBYA**

CONTENTS

M. A. EL-SHARKAWY, K. SGAIER, F. A. SOUROR, and M. E. YOUSEF: Investigations on Maize in the Libyan Arab Republic. I. Effect of plant spacing and nitrogen level on growth and yield of maize (<i>Zea mays L.</i>)	1
M. A. EL-SHARKAWY, K. SGAIER, F. A. SOUROR, AND M. E. YOUSEF: Investigations on Maize in the Libyan Arab Republic. II. Effect of nitrogen level and time of application on growth and yield of maize (<i>Zea mays L.</i>)	9
M. A. EL-SHARKAWY, F. A. SOUROR, AND M. ABaza: Response of a Newly Developed Variety of Dwarf Wheat to Nitrogen Level of Supplementary Irrigation	17
F. A. SOUROR, AND M. A. EL-SHARKAWY: The Effect of Seeding Rate on Growth and Yield of 'Sidi Misri 1' Wheat (<i>Triticum aestivum L.</i>)	27
F. A. SOUROR, AND M. A. EL-SHARKAWY: The Effect of Cycocel and Nitrogen Level on the Growth and Yield of 'Sidi Misri 1' Dwarf Wheat (<i>Triticum aestivum L.</i>)	33
FARIDA BADAWY, AND O. EL-GAYED: Effect of Phosphate Fertilization and Manganese Application on Growth and Yield of Broadbean	39
M. I. SHAALAN, F. A. SOUROR, AND M. A. EL-SHARKAWY: Investigations on Herbicides in Field Crops in Libya. I. Effect of application methods of herbicide on growth, yield, yield components, and weeds in maize (<i>Zea mays L.</i>)	47
M. A. EL-SHARKAWY, AND K. SGAIER: Studies on Chemical Control of Weeds in Broadbean (<i>Vicia faba L.</i>)	59
M. Y. EL-GHITANY, FAWZY T. HUSSEIN, AND ABD-EL-MAGEID SALEEM: Effect of Gibberellic Acid and Cycocel on <i>Majorana hortensis</i> Mnch. I. The plant growth	65
M. Y. EL-GHITANY, FAWZY T. HUSSEIN, AND ABD-EL-MAGEID SALEEM: Effect of Gibberellic Acid and Cycocel on <i>Majorana hortensis</i> Mnch. II. The essential oil	73
HUSAIN S. AHMED, AND J. B. STOREY: Effect of Storage Period on the Quality of Pecan Kernels Kept under Vacuum	83
IBRAHIM FAHMY, AND ISSAM HASSABALLA: The Effect of Different Rootstocks and Superphosphate Fertilizer on Growth and Leaf Phosphorus in Young 'Lisbon' Lemon Trees	89
ISSAM HASSABALLA, AND IBRAHIM FAHMY: Leaf phosphorus Concentration in Young Rootstocks and Scion Cultivars of Citrus	95
F. NOUR-ELDIN, AND A. E.-S. A. FUQL-ALLAH: Citrus Virus and Virus-Like Diseases in Libya	101
ABD EL-SHAFY A. FUQL-ALLAH: Nutritional Requirements for Growth in Vitro of the Mycoplasmalike Organism Associated with Citrus Stubborn Disease	111

NAWAL AHMED HESSEIN: Morphological and Developmental Studies for the Predatory Mite <i>Phytoseiulus persimilis</i> Athias—Henriot (Acarina: Phytoseiidae)	119
M. A. EL-BANBY, AND S. M. ABOU-KORAH: Genetics of Ovariole Number in Hybrid Queenbees (<i>Apis mellifera L.</i>) Carnica X Fasciata and Ligustica X Fasciata	127
M. A. EL-BANBY, AND S. M. ABOU-KORAH: The Inheritance of Certain Quantitative Characters in the Ligustica X Fasciata Honeybee Hybrid	131
M. A. EL-BANBY, AND M. M. FODA: Heritability Estimates in the Silkworm for Different Productive Characters with their Genetic and Phenotypic Correlations	137
ESMAT M. OMAR, M. I. KOTOURY, G. A. KAMAR, AND N. A. AHMED: The Effect of Amino Acid Supplementation to Raw Soybeans and Cotton-Seed Meal on the Growth and Body Composition of Growing Chicks	147
ESMAT M. OMAR, M. R. ABBADY, M. I. EL KOTOURY, AND M. F. TAWAKOL: Evaluation of the Feeding Values of some Cereal Grains and By-Products by Digestion Trials in Chickens	155
M. I. FARH. Agricultural Development in the Libyan Arab Republic	163
MUSTAFA SUWANI, FARID NAWAS, AND SHARIF CHAUDHRY: A Study of the Production and Marketing of Vegetables in the Tripoli Area (L.A.R.)	169
MOHAMED GAMAL ELDIN RASHED: Relationship of Value Orientation and Communication with Acceptance of New Agricultural Products in Rural Egypt	177
MOHAMED GAMAL ELDIN RASHED: Some Personal and Socio-Economic Factors Associated with the Adoption of Recommended Agricultural Practices in Rural Egypt	187
<i>Instructions to Authors</i>	199