

Contents

ANIMAL SCIENCE

- Thyroxine (T₄) and Triiodothyronine (T₃) in Female Camels and Cows: A. B. MAGDUB and H. D. JOHNSON 5
- Effects of Transportation Stress on Packed Cellvolume, Total Serum Protein, Sodium, Potassium, and Thyroxine Concentrations, in Dromedary Camels: A. B. MAGDUB, A. A. ZAIED, A. M. SHAREHA, A. M. ABOUBAKER and A. KRAIW 9
- Prediction of Live Broiler Weight Based on Body Measurements: A. H. KANOUN 13

HORTICULTURE

- Effect of an Antitranspirant on the Keeping Quality of Cut Carnation Flowers (*Dianthus caryophyllus*): M. R. HASSAN and M. KHATTAB 23
- Effect of Nitrogen Level on the Vegetative Growth and Flower Production of *Delphinium grandiflorum*: M. R. HASSAN and M. KHATTAB 29
- Effect of I-Naphthylacetic Acid on the Growth of Chrysanthemum Plants: M. KHATTAB and M. R. HASSAN 33
- Effect of Gibberellic Acid (GA₃) on the Growth and Head Developmente of *Lactuca sativa* L. var *capitata*: H. AL-ALOUSI 39

PLANT PROTECTION

- Sphaerotheca fuliginea* (Schlecht.) Poll. and *Erysiphe cichoracearum* D. C. Causing Powdery Mildews in Libya: S. S. EL-AMMARI and M. W. KHAN 43
- Effect of Olive Residue (Futura) Extract on the Mortality and Hatching of Certain Plant Parasitic Nematodes: WASEEM ISMAIL and M. I. AL-ALOUSI 49
- The Distribution, Damage, and Parasite Complex of a New Alfalfa Pest, *Melanagromyza sojae* (Zehnt) in the Jamihiriya: G. RASUL, W. M. DESUKY and M. H. BLACK 55
- Studies on the Bacterial Soft Rot of Onion in the Western Part of Libya: A. ABUGHNA and F. S. ADAM 61

RANGE AND FORESTRY

- Effect of Different Levels of Phosphorus Application on Forage Yield and Yield Components of Disc Medic, *Medicago tornata*, c.v. Swani: ZAHOOH H. KHAN 69
- Effect of Seeding Rate on the Forage Yield and Yield Components of *Medicago Littoralis*, c.v. Harbinger: ZAHOOH H. KHAN, M. A. MUSBAH, K. M. BEN GIRAH and S. B. MALATUM 75
- Effect of Seeding Rates on the Herbage Production of Disc Medic (*Medicago tornata*) c.v. Swani: ZAHOOH H. KHAN and M. A. MUSBAH 81
- Response of Annual Medics to Chemical Fertilization: ZAHOOH H. KHAN, M. A. MUSBAH and H. EL-BANNA 89
- Comparison of Nutritional Status of Green Forage, Hay and Silage of Sudan Grass *Sorghum sudanese* (Piper) Stapp: ZAHOOH H. KHAN 95

SOIL AND WATER SCIENCE

- The Expected Long-Term Detrimental Effects of Continuous Application of Ammonia on Soil Strength, Aggregate Stability and Dry Bulk Density: T. A. YAHIA 101

VETERINARY MEDICINE

Ricin: Castorbean Toxicosis: A. A. ELMARIAMI and G. L. MEERDINK 113

NOTES:

A Preliminary Investigation of the Potential Antimicrobial Activity of *Solenostemma Obeifolium*: S. M. THARIB, S. EL-MIGIRAB and S. O. GNAN 119

Nematode Destroying Fungi in Libyan Jamahiriya Soil: I. Isolation of *Catenaria anguillulae*, an endoparasitic fungus on *Rhaditis* spp.: A. Y. GIUMA 123

Froned Malformation Disease of Date Plams in Libya: J. A. KHALIL, E. A. EDONGALI and S. M. NUESRY 127

A New Fungal Disease of *Acacia cyclops* in Libya Caused by *Phyllosticta* spp.: M. S. EL-MESSELLATI and W. ISMAIL 131

The Influence of Calcium Chloride, Adenosine Triphosphate and Lysosomal Enzymes on Water Holding Capacity of Myofibrillar Proteins: Y. M. ELSHREK and M. E. BAILEY 135

Instruction to authors 139