



Zeszyty Naukowe
Uniwersytetu Przyrodniczego we Wrocławiu
BIOLOGIA I HODOWLA ZWIERZĄT LXV, 587, 2012
BIOLOGY AND ANIMAL BREEDING LXV, 587, 2012



ISSN 1897–208X

ISSN 1897–8223

ABSTRACTS

TI: NEW DATA ON THE OCCURRENCE AND DISTRIBUTION OF *SCYTODES THORACICA* (LATREILLE, 1802) (ARANEAE) IN POLAND WITH NOTES ON THE BIOLOGY OF THE SPECIES.

AU: Król Z., Małkol J.

AD: Institute of Biology, Department Invertebrate Systematics and Ecology, Wrocław University of Environmental and Life Sciences

LA: English

AB: *Scytodes thoracica* is the only representative of the family Scytodidae, commonly known as spitting spiders, recorded from Poland. Its first and hitherto the only published record from Poland dates from 1999. Here we present new data on the occurrence of *S. thoracica* in south, south-western and central parts of the country. The findings suggest that the species is expanding its range both northward and eastward. The results of observations on a female collected in Wrocław are presented.

DE: Scytodidae, distribution, new records, biology, Poland

SO: Zesz. Nauk. UP Wroc., Biol. Hod. Zwierz., LXIV, 587: 11–16.

TI: MITES (ACARI) OCCURRING ON SOME COLEOPTERA AND DIPTERA IN POLAND

AU: Ryszard Haitlinger¹, Dariusz Łupicki²

AD: ¹Institute of Biology, Department Invertebrate Systematics and Ecology, Wrocław University of Environmental and Life Sciences

²Museum of natural History of the Faculty of Biology and Animal Science, Wrocław University of Environmental and Life Sciences

LA: English

AB: A total number of 8501 mite specimens representing 36 species and at least 6 undetermined species were obtained from 1105 specimens, which belong to 26 insect species and at least 5 undetermined species of the following families of Coleoptera Silphidae, Scarabaeidae, Aphodidae, Staphylinidae, Cerambycidae, Hydrophilidae, Histeridae, Carabidae, Tenebrionidae, and Diptera: Syrphidae. The mites were stated for the first time in Poland on *Nicrophorus sepultor*, *Onthestes tessellatus*, *Philonotus politus*, *Stictoleptura rubra*, *Caccobius schreberi*, *Onthophagus gibbulus*, *O. illyricus*, *O. taurus*, *O. fracticornis*, *Euonthophagus amyntas*, *Pterostichus burmeisteri*, *Hister unicolor* and *H. impressus*. There were 3 species of mites recorded for the first time for the Polish fauna: *Alliphis phoreticus*, *Scarabacariphis ankavani* and *Halolaelaps octoclavatus*. *Nicrophorus vespilloides*, *N. vespillo*, *N. investigator* and *Stictoleptura rubra* were the most infected species; their mean intensity of invasion reached 20.30, 18.57, 14.47 and 11.90, respectively.

DE: Acari, Insecta, Coleoptera, Diptera, new record, faunistics, Poland

SO: Zesz. Nauk. UP Wroc., Biol. Hod. Zwierz., LXV, 587: 17–48.

TI: THE INFLUENCE OF DIFFERENT VARIETES OF FABA BEAN APPLIED IN THE CONCENTRATE MIXTURE ON GROWTH, MORPHOLOGICAL AND BIOCHEMICAL COMPOSITION IN BLOOD AND HISTOLOGICAL PICTURE OF JEJUNUM AT RATS

AU: Sobczyk I., Szyszkowska A.

AD: Department of Animal Nutrition and Feed Science, Wrocław University of Environmental and Life Sciences

LA: Polish

AB: The purpose of experiment was to assess the impact of three varieties of horse bean used in mixtures for rats on their weight gain, feed efficiency, morphological and biochemical indices in blood and morphological changes of liver and jejunum. Research has been performed on 48 rats (♀), which were randomly allocated into four groups. In the control group, the primary protein source was soya bean oil meal, but in the experimental groups three varieties of horse bean with different concentration of tannins were applied. It was found that with the increasing amounts of tannins the daily body weight gain has decreased and increased intake of feed per 1 g of the gain. The level of WBC, PLT and AST has increased significantly according to the increasing amounts of tannins. High concentration of tannins in horse bean of Titus variety has led to the changes in the histological picture of rats intestine (jejunum).

DE: rats, faba bean, growth, blood, jejunum

SO: Zesz. Nauk. UP Wroc., Biol. Hod. Zwierz., LXV, 587: 49-60.

TI: UTILIZATION OF BASIC NUTRIENTS AND MINERALS BY FATTENERS DEPENDING ON THE TYPE OF PHOSPHATE ADMINISTERED IN COMPLETE FEEDS

AU: Korniewicz D.¹, Dobrzański Z.², Antkowiak K.¹, Korniewicz A.³

AD: ¹Cargill Animal Nutrition, Cargill (Polska) Sp. z o.o.,

²Department of Environment Hygiene and Animal Welfare, Wrocław University of Environmental and Life Sciences

³Department of Animal Nutrition and Feed Management, Faculty of Biology and Animal Science, Wrocław University of Environmental and Life Sciences

LA: Polish

AB: An influence of mineral phosphorus derived from various feed phosphates on digestibility of basic nutrients, nitrogen retention, apparent absorption and balance of magnesium, manganese, copper and zinc was compared in digestive-balance study on growing fatteners. Mineral phosphorus from a new dicalcium phosphate, monocalcium and calcium-sodium phosphate constituted 30% of total fatteners phosphorus demand.

The results obtained prove that digestibility of basic nutrients and nitrogen retention were not dependent on the kind of phosphate used in the complete mixtures. The assessed new dicalcium phosphate, when compared to monocalcium and calcium-sodium phosphate, significantly influenced better utilization of magnesium, copper and manganese from the complete mixtures.

DE: fatteners, phosphates, digestibility, balance, basic nutrients, microelements

SO: Zesz. Nauk. UP Wroc., Biol. Hod. Zwierz., LXV, 587: 61-74.

TI: ANALYSIS OF FACTORS INFLUENCING AVERAGE OF UTILITY VALUE OF HORSES PARTICIPATING IN POLISH DRESSAGE CHAMPIONSHIP OF YOUNG HORSES DURING 1994-2010

AU: Śpiewak J., Jagła E., Sztwiertnia K., Dobrowolski M., Geringer de Oedenberg H.

AD: Department of Horse Breeding and Riding, Wrocław University of Environmental and Life Sciences

LA: Polish

AB: The most important issue in horse breeding is selecting suitable pairs in order to obtain as a consequence the best offspring genotype and phenotype. For this purpose it is necessary to estimate value of their parents, especially when they are young covering stallions. Polish Championship of Young Horses (MPMK) provides us with such opportunities. The aim of this study was to estimate the value of dressage horses, which participate in the finals of MPMK during 1994–2010. In the overall analysis of variance of the number of points scored by a horse, conditioned by the influences of breed, gender, breed of father and also breeder there was found a highly significant effect of the horse's breeder on the utility value.

DE: utility value, dressage, Polish Championship of Young Horses (MPMK)

SO: Zesz. Nauk. UP Wroc., Biol. Hod. Zwierz., LXV, 587: 75–82.