

# IV CONGRESO MUNDIAL DE CUNICULTURA - BUDAPEST

## NUTRICION

Presidente: R. PARIGI-BINI  
Istituto di Zootechnica  
Via Gradenigo, 6  
35131 Padua - Italy

### Martes 11 Octubre

#### PONENCIA

11-11,30 Parigi-Bini, R.: "Recent developments and future goals in research on nutrition of intensively reared rabbits".

#### COMUNICACIONES

11,30 Cervera, C. - Alberich, M.J. - Blas, E. - Simplicio, J.B.: "Evaluation of diet and re-mating interval after parturition on the growth of litters of different size".

11,40 Simplicio, J.B. - Fernández Carmona, J. - Cervera, C.: "The effect of a high ambient temperature on the reproductive response of the commercial doe rabbit".

11,50 Maertens, L. - De Groote, G.: "The influence of the dietary energy content on the performances of post-partum breeding does".

12,00 Lebas, F. - Viard-Drouet, F. - Coudert, P.: "Reproduction and morbidity of rabbit does. Effects of diet energy level and origin. First results".

12,10 Hullar, I. - Lacza, S.: "Effect of pregnancy and lactation on the digestibility of nutrients in rabbits".

12,20-12,40 DISCUSION.

14,00 Blas, E. - Fernández Carmona, J. - Cervera, C.: "Effect of digestive activity and starch intake of amylase activity in saliva and pancreatic juice of rabbit".

14,10 Simplicio, J.B. - Cervera, C. - Blas, E.: "Effect of two different diets and temperatures on the growth of meat rabbit".

14,20 Battaglini, M. - Grandi, A.: "Some observations on feeding behaviour of growing rabbits".

14,30 Greppi, G.F. - Ruffini Castrovilli, C. - Corti, M. - Serrantoni, M. - Rigoni, M.: "Effects of different dietary protein content in N.Z.W. rabbits: digestibility and carcass composition".

14,40 Xiccato, G. - Cinetto, M.: "Effect of nutritive level and of age on feed digestibility and nitrogen balance in rabbit".

14,50 Szendro, Zs. - Szabó, S. Hullár, I.: "Effect of reduction of eating time on production of growing rabbits".

15,00-15,30 DISCUSION

15,30 Fekete, S. - Tamás, J. - Ványi, A. - Glávits, R. - Bata, A': "Effect of T-2 toxin on feed intake and digestion of rabbits".

15,40 Grandi, A. - Battaglini, M.: "Trifolium pratense L. hay in diets of growing rabbits".

15,50 Johnston, N.P. - Uzcateguim, M.E.: "Effect of lupinus mutabilis /chocho/ on the lactation and growth of rabbits and Guinea pigs".

16,00 Seroux, M.: "Spring peas as a source of protein for doe rabbits".

16,10 Berbiche, M. - Lebas, F. - Ouhayoun, J.: "Field Bean /vicia faba minor/ as protein source for rabbit: effects on growth and carcass quality".

16,20 Gippert, T. - Hullár, I. - Szabó, S.: "Nutritive value of agricultural by-products in rabbit".

16,30 Gippert, T. - Lacza, S. - Hullár, I.: "Utilization of agricultural by-products in the nutrition of rabbit".

16,40-17,10 DISCUSION

### Miércoles 12 Octubre - Bartók Hall

8,00 Lacza, S. - Szabó, I. - Hullár, I. - Gippert, T. "Nitrovin in fattening of rabbits".

8,10 Lacza S. - Szabó, T. - Gippert, T. - Hullár, I. - Virág, Gy. - Kustos, J.: "Application of 'streptococcus faecium M-74' in fattening of rabbit".

8,20 Fris Jensen, J.: "Some preliminary results from investigations with grain and straw from fields treated with weedkillers".

8,30 Fekete, S. - Gippert, T. - Hullár, I. - Szilágyi, M.: "Effect of dietary copper sulfate concentration on digestion, growth rate and some blood parameteres of broiler rabbits".

8,40 Kormann, A. - Fenster, R. - Tagwerker, F.: "B-Carotene in rabbit nutrition".

8,50 Tag-El-Den, T.H. - Mervat, A. Ali - Molnar, J.: "Effect of restricting feeding periods on feed intake and digestibility of dry matter in rabbits".

9,00-9,30 DISCUSION

### Miércoles 12 Octubre - Pálma Hall

#### POSTERS

10,00-12,00 Liang, Q.Z. - He, N.R. - Hou, F.A. - Li, W.G. - Ren, K.L. - Zhang, L.J.: "The effect of

compound additive on the growth, feed efficiency and diarrhoea of rabbit".

Beynen, A.C.: "Growth performance by rabbits fed diets containing various levels of corn oil".

Kametaka, M. - Monzen, Y.: "Apparent digestibility of protein and energy in a semi-purified diet as pellet form".

Lebas, F.: "First attempt to study chickpeas utilization in growing rabbits feeding".

Lebas, F. - Thebault, R.G.: "Influence of ad libitum feeding 5 weeks after plucking on wool production in agora rabbits".

Lebas, F. - Ouhayoun, J. - Delmas, D.: "Effect of hempseed oil cake introduction in rabbit feeding on growth performance and carcass quality".

Tag-El-Den, T.H. - Molnar, J.: "Studies of feather meal supplementation in rabbits diets".

Henics, Z. - Tossenberger, J.: "Digestibility of nutrients between the period of two wool-cutting of angora rabbits".

Tossenberger, J. - Henics, Z.: "Effect of energy, protein and sulphur-content amino acids on wool, production of angora rabbits".

Pethes, G. - Gábor, Gy.: "Effect of B-carotin feeding in rabbits".

Furuichi, Y. - Takahashi, T.: "Cecum separation in rabbits and its effects on fecal composition and digestibility".

## GENETICA

Presidente: H. de ROCHAMBEAU  
INRA Station d'Amélioration  
Génétiques des Animaux  
B.P. 27,

F 31326 Castanet-Tolosan Cedex - France

### Martes 11 Octubre - Chanson Hall

#### PONENCIA

11,00-1,30 Rochambeau, H. de: "Genetics of the rabbit for wool and meat production /1984-1987".

### COMUNICACIONES

11,30 Estany, J. - Baselga, M. - Blasco, A. - Camacho, J.: "A comparison between blup and index for selection of litter size".

11,40 Widovic, V.: "Use of blup for the estimation of genetic response to selection in some reproduction and production traits in rabbits".

11,50 Rafel, O. - Tran, G. - Ramon, J. - Bosch, A. - Valls, R. - Ducrocq, V.: "Selection for litter weight at 56 days with overlapping generations in a white synthetic strain of rabbits".

12,00 Rochambeau, H. de - Tran, G. - Vrillon, J.L.: "Description of a selection experiment for total litter weight at weaning per doe and per year in two rex rabbit strains".

12,10 Szendrő, Zs. - Láng, M. - Szabó, J.: "Reproductive ability of rabbit daughters in relation to the size of their mother litter".

12,20 Estany, J. - Baselga, M. - Blasco, A. - Camacho, J.: "Estimation of genetic trend on rabbit growth rate by mixed model methodology".

12,30-13,00 DISCUSSION

14,00 Castellini, C. - Panella, F.: "Heritability of pre and post-weaning weights in rabbits".

14,10 Baselga, M. - Deltoro, J. - Camacho, J. - Blasco, A.: "Genetic analysis of lung injury in four strains of meat rabbits".

14,20 Lukefahr, D.S. "Conservation of global rabbit germplasm resources".

14,30 Coudert, P. - Licois, D. - Besnard, J.: "Establishment of a S.P.F. breeding colony without hysterectomy and handrearing procedures".

14,30-14,50 DISCUSSION

14,50 Bolet, G. - Brun, J.M. - Holut, F.: "Relationships between ovulation rate and embryonic survival in various strains of rabbits".

15,00 Brun, J.M. - Rouvier, R.: "Evolution of the genetic parameters of litter traits in crosses of two selected strains of rabbits: a synthesis".

15,10 Brun, J.M. - Ouhayoun, J.: "Growth performances and carcass traits in three strains of rabbits and their two-way crosses".

15,10-15,30 DISCUSSION

15,30 Kosba, M.A. - Abo El-Ezz, Z.R.: "Some factors affecting body weight and dressing out percentage in two breeds of rabbits".

15,40 Bochno, R. - Janiszewska, M. - Lewczuk, A. - Szczepanik, G.: "Slaughter value danish white and californian white rabbits and their crosses".

15,50 Ristic, M. - Schlolaut, W. - Lange, K.: "Influence of final fattening weight on the carcass value and meat quality of young fattening rabbits".

16,00-16,20 DISCUSSION

16,20 Schley, P. Schlolaut, W.: "Results and aspects of angora-rabbit performance tests in germany".

16,30 Rochambeau, H. de - Thebault, R.G. - Loyer, G.: "Some aspects of the demographic structure of the french angora rabbit breed".

16,40 Thebault, R.G. - Rochambeau, H. de: "Production data and demographic parameters of a french angora rabbit strain".

16,50 Jaitner, J. - Zimmermann, E. - Dempfle, L.: "Genetic and phenotypic parameters of wool yield in angora rabbits".

17,00 Vrillon, J.L. - Thebault, R.G. - Rochambeau, H. de - Dardant, P.: "Photoperiodism effect on fur maturity and quality of rabbits owning or not rex gene".

17,10-17,30 DISCUSSION

**Miércoles 12 Octubre** - Palma Hall

### POSTERS

8,00-10,00 Varga, L. - Pálovics, Á.: "Parentage control in the rabbit".

Rochambeau, H. de - Tudela, F. - Chabert, J.: "Some results about number of teats in 3 strains of rabbits".

Rinaldo, D. - Bolet, G.: "Effect of selection for litter size at weaning on reproductive life on female rabbits".

Szendro, Zs. - Kustos, K. - Richter, J.: "Study of the inter-relationships between production characteristics of rabbit does".

Szendro, Zs. - Kustos, K. - Richter, J.: "Estimation of heritability of live weights and weight gains in different ages of rabbits".

Chiericato, G.M. - Filotto, U.: "Experiment results on fattening performance and carcase characteristics in New Zealand white, hyla and provisal females".

Niedzwiadek, S.: "The furrier value of young meat rabbits".

Yamani, A.O. Kamal.: "Boom of rabbit production in Egypt".

Jamriska, M.: "Influence of inbreeding to the potential fertility in rabbits".

Mach, K. - Safarova, L.: "Pure breeding and commercial crossing of broiler-type rabbits".

8,30 Nagy, B. - Hornyák, A'. - Szemerédi, G. - Salló, B. - Majoros, G.: "Significance of rotavirus in post weaning diarrhea of rabbits".

8,40 Camguilhem, R. - Milon, A.: "Protection of rabbits against experimental escherichia coli O-103 intestinal infection by oral formalin-killed vaccine".

8,50 Peeters, J.E. - Geeroms, R. - Ørskov, F.: "Biotype, serotype and pathogenicity of attaching effacing enteropathogenic escherichia coli strains isolated from diarrheic commercial rabbits".

9,00 Hage, M.H. van der: "The morphogenesis of the small intestinal mucosa of the rabbit. A stereomicroscopical study".

9,10-9,30 DISCUSSION

9,30 Tiecco, G. - Mondino, G. - Francioso, E.: "Assessment of the residues in rabbit after oral treatment with aminosidine sulphate in water".

9,40 Cringoli, G. - Papparella, V. - Mondino, G. - Di Meo, C. - Rossi, M.: "An experimental study on the tolerability of aminosidine sulphate given orally to the rabbits".

9,50 Morisse, J.P. - Le Gall, G. - Boilletot, E. - Maurice, R.: "Food poisoning by antibiotic residues in rabbits".

10,00-10,20 DISCUSSION

10,20 Licois, D. - Coudert, P. - Boivin, M. - Viard, F. - Provot, F.: "Selection and characterization of a precocious line of eimeria intestinalis, and intestinal rabbit coccidium".

10,30 Peeters, J.E. - Geeroms, R. - Halen, P.H.: "Epidemiology of coccidiosis in commercial rabbits (1982-1987/ and resistance against robenidine".

10,40 Gallazzi, D.: "Pathological aspects of meat rabbit floorpen breeding".

10,50 Coudert, P. - Provost, F.: "Lasalocid tolerance for the rabbit and activity against E. flavescens and E. intestinalis".

11,00 Vörös, G. - Berna, J.: "Efficacy of toltrazuril /Bycox<sup>R</sup>/ in the prevention of hepatic coccidiosis in rabbits".

## PATOLOGIA

Presidente: J.E. PEETERS  
National Institute of Veterinary Research  
Groeselenberg 99,  
B-1180 Brussels - Belgium

**Miércoles 12 de Octubre** - Chanson Hall

### PONENCIA

8,00-8,30 Peeters, J.E.: "Recent advances in intestinal pathology of rabbits and further perspectives".

### COMUNICACIONES

11,10-11,30 DISCUSION

11,30 Galassi, D. - Di Emidio, B. - Semprini, P. - Antonucci, D. - Ambrosii, L.: "Safety and efficacy of the "Borghi" strain vaccine against myxomatosis".

11,40 Varga, I. - Horváth, G.: "Encephalitozoonosis: attempts to measure the influence of the spontaneous infection on the weight gain of rabbits".

11,50 Xu, W. - Du, N.X. - Liu, S.J.: "A new virus isolated from haemorrhagic disease in rabbits".

12,00 Gábor, Gy. - Bertók, L.: "Experiments on the preventive effect of tolerin on upper respiratory disease in rabbits".

12,10 Papp, Z. - Rafai, P.: "Impact of heat stress on pregnant rabbits and on the development and viability of their foetuses".

12,10-12,30 DISCUSION

**Miércoles 12 Octubre** - Palma Hall

POSTERS

13,30-15,00 Coudert, P. - Licois, D. - Provot, F.: "Differential diagnosis of eimeria-species from the rabbit".

Nógrády, S. - Sinkovics, Gy. - Facsar, I.: "Examinations of the effectiveness of salinomycin administering in different ways in rabbits".

Glávits, R. - Ványi, A. - Fekete, S. - Tamás, J.: "Acute toxicological experiment of T-2 toxin in rabbits".

Kpodekon, M.: "Hygiene and pathology in rabbit-farms in benin".

Ványi, A. - Bata, A. - Fekete, S. - Tamás, J.: "Study of the metabolism and excretion of T-2 toxin, a trichothecene fusaric toxin, in rabbits".

Okerman, L.: "Escherichia Coli biotypes and cross protection induced by different strains".

**MANEJO**

Presidente: W. SCHOLAUT  
Hessische Landesanstalt für  
Leistungsprüfung in der Tierzucht  
Neu-Ulrichstein  
6313 Homberg/Ohm 1,  
FRG

**Miércoles 12 Octubre** - Chanson Hall

PONENCIA

13,30-14,00 Scholaut, W.: "Present husbandry and management conditions and development trends in rabbit production".

COMUNICACIONES

14,00 Koehl, P.F.: "Consequence of all in all out practice in rabbit production on the technical and economical results".

14,10 Facchin, E. - Zanirato, M.G. - Gualterio, L. - Valentini, A.: "Artificial insemination in rabbit breeding".

Note I - "Artificial insemination program for meat rabbit breedings".

14,20 Lange, K. - Scholaut, W.: "The influence of postpartum insemination on litter size and growth of New Zealand white rabbits".

14,30 Maertens, L. - Vermeulen, A. - De Groote, G.: "Effect of postpartum breeding and pre-weaning litter management on the performances of hybrid does".

14,40 Valentini, A. - Zanirato, G. - Facchin, E.: "Artificial insemination in rabbit breeding".

Note II - "Evaluation of male suitability in a program of artificial insemination for commercial rabbitries".

14,50 Zanirato, M.G. - Gualterio, L. - Facchin, E.: "Artificial insemination in rabbit breeding".

Note III - "Practical problems in standardization of a new method for artificial insemination in meat rabbit breeding".

15,00-15,20 DISCUSION

- 15,20 Toress, C.: "Effect of the adoption system on rabbit survival rate and reproductive performance".
- 15,30 Szendrő, Zs. - Kustos, K. - El-Din, S.S.: "Hair pull of rabbit does and its relationship with their rearing ability".
- 15,40 Gualterio, L. - Valentini, A. - Bagliacca, M.: "Effect of season and of parturition order on mortality rate at birth and in the nest".
- 15,50-16,10 DISCUSSION
- 16,10 Biró, E. - Ballay, A. - Németh, Zs.: "Relationships between the litter size and the fertility of does".
- 16,20 Ballay, A. - Szombathy Szabó, E. - Fülöp, M.: "Relationships between the milk production and fertility of angora does".
- 16,30 Afifi, E.A. - Emara, M.E.: "Annual productivity of the rabbit doe under the conventional system of production in Egypt".
- 16,40 Zimmermann, E. - Jaitner, J. - Dempfle, L.: "Relation between litter size /number weaned/ and later body weight gain in the New Zealand white rabbit".
- 16,50-17,10 DISCUSSION
- 9,10 Rastogi, R.K.: "Performance data from a rabbitry in Trinidad /West Indies/".
- 9,20 El-Maghawry, A.M. - Yamani, K.A. - Marai, M.F.I.: "A preliminary study on performance of some productive traits in New Zealand white and californian rabbits, under egyptian environments".
- 9,30 Finzi, A. - Amici, A.: "Free range rabbit breeding system: new technologies".
- 9,40 Hoffmann, I.: "Rabbit production in burkina faso".
- 9,50 Lleonart, F. - Castelló, J.A.: "Fifteen years teaching rabbit husbandry 1972-1987".
- 10,00 Hameury, F.: "The phenomenology and environment control in battery facilities".
- 10,10 Koehl, P.F.: "The performances of rabbit production units followed through technical and economical management".
- 10,20-10,40 DISCUSSION

### Jueves 13 Octubre - Palma Hall

#### POSTERS

### Jueves 13 Octubre - Chanson Hall

- 8,00 Crimella, C. - Luzi, F. - Amboini, M.: "Alternative housing systems in meat rabbit breeding".
- 8,10 Gualtieri, M. - Di Emidio, B. - Pedicone, R. - Semprini, P. - Salvatore, S. - Galassi, D. - Ambrosii, L.: "Microclimate in intensive rabbit breeding of central Italy".
- 8,20 Saághy, P.: "Hungarian rabbits in Egypt".
- 8,30 Ádám, T. - Borka, Gy.: "The role of climatic environment in meat rabbit keeping".
- 8,40 Borka, Gy. - Ádám, T.: "Relationship among the climate of rabbit house, the microclimate of nest-boxes and some biophysical parameters of meat rabbits".
- 8,50-9,10 DISCUSSION
- 11,00-13,00 Szendrő, Zs.: "Investigations on frequent kindlings with a view to breeding".
- Németh, A. - Szabó, L.: "How does the time when angora rabbits are taken into breeding influence multiplication results".
- Sinkovics, Gy. - Haut, Gy.: "Experiences of artificial insemination on large scale angora farms".
- Ibrahim, M.K.: "Some hair characteristics of different native and standard rabbit breeds".
- Kurdi, Cs. - Radnai, I. - Zelei, I.: "Tasks and works of the angora rabbit production company LTD".
- Finzi, A. - Tani, A. - Scappini, A.: "The tunisian not conventional rabbit breeding systems".

**FISIOLOGIA**

Presidente: S. FEKETE  
University of Veterinary Science  
Budapest  
Pf. 2 - 1400 - Hungary

**Miércoles. 12 Octubre** - Bartók Hall

PONENCIA

13,30-14,00 Fekete, S.: "Recent findings and future perspectives of rabbit's digestive physiology".

COMUNICACIONES

14,00 Gidenne, T.: "Ileal digestibility measures on caeculated rabbit".

14,10 Deltoro, J. - López, A. - Camacho, J.: "Prediction equations for meat chemical composition in growing rabbits".

14,20 Vicente, J.S. - Peris, J.L. - Camacho, J.: "Quantitative growth of bone and muscular tissues in meat rabbit".

14,30 López, A. - Deltoro, J. - Camacho, J.: "Quantitative growth of rabbit organs".

14,40 Corti, M. - Greppi, G.F. - Serrantoni, M. - Nordio, C. - Ruffini Castrovilli, C.: "Effects of different dietary protein levels in N.Z.W. rabbits: blood constituents and urinary nitrogen compounds".

14,50 Finzi, A. - Juzminsky, G. - Morera, P.: "Evaluation of thermotolerance parameters for selecting thermotolerant rabbit strains".

15,00-15,20 DISCUSION

**Jueves. 13 Octubre** - Bartók Hall

8,00 Fébel, H. - Szegedi, B. - Keresztes, M. - Juhász, B.: "Determination of extracellular fluid volume by <sup>24</sup>Na isotope in angoras".

8,10 Rudas, P. - Fekete, S.: "Changes in the lipid ratio of the diet causes immediate adaptation of the thyroid economy".

8,20 Ouhayoun, J. - Delmas, D.: "Meat quality of rabbit I. Differences between muscles in post mortem pH".

8,30 Finzi, A. - Morera, P. - Kuzminsky, G.: "Acclimatation and repeatability of thermotolerance parameters in rabbit".

8,40 Morisse, J.P. - Boilletot, E. - Maurice, R.: "Incidence of nitrites in rabbits".

8,50 Fekete, S. - Rudas, P.: "Serum thyroid hormone levels and outerring deiodination of thyroxine in rabbits treated with different amounts of perchloric acid ammonia /PAA/".

9,00 Allain, D. - Thebault, R.G.: "Effect of various melatonin treatments on summer wool production in angora rabbits".

9,10 Fébel, H. - Regius, Á.: "Effect of varying calcium intake on the parameters of calcium and phosphorus metabolism of growing angoras".

9,20-9,40 DISCUSION

9,40 Gábor, Gy. - Zöldág, L. - Falkay, Gy.: "Sex determination of newborn rabbits with visual and hormone level measuring methods".

9,50 Radnai, I. - Tóth Zelei, I. - Bán, B.: "Investigations on semen abnormalities of angora rabbits".

10,00 Lammers, H.J. - Petersen, J. - Pauw, R.: "Studies on the reproductive performance of female hybrid rabbits under different intensities of use".

10,10 Mariana, J.C. - Hulot, F. - Tomassone, R. - Dervin, C. - Poujardieu, B.: "Estimate of the average duration of the ovarian follicle growth. A comparative study of two strains of rabbit".

10,20-10,40 DISCUSION

**Miércoles 12 Octubre** - Palma Hall

POSTERS

15,30-17,00 Fan, B. - Xiong, H. - Shao, C.: "Superovulation and embryo transfer in rabbits".

Fran, B. - Xiong, H. - Shao, C.: "Studies of superovulation in rabbits".

Xiong, H. - Shao, C. - Fan, B.: "The development of developing stages and varying numbers of rabbit embryos after transfer to recipients".

Hu, J. - Liu, T. - Hong, Z.: "Influence of different kinds of carbohydrate and various amount of dms0 in media on the quality of frozen rabbit semen".

Hu, J.F. - Hong, Z.Y. - Leng, H.R. - Wang, Q.X.: "The variabilities in the quality of semen of german angora and china angora in summer and autumn".

Liu, T. - Hu, J. - Hong, Z.: "Observation on the changes in ultrastructure of frozen rabbit sperm with scanning and freezeetching methods".

Abo Elezz, Z.R. - Kosba, M.A. - Badawy, A.M. - Radwan, A.A.: "Improving fertility of the female rabbits".

Mézes, M. - Pusztai, A.: "Investigation on vitamine and lipid peroxide status of does blood during pregnancy".

Schumacher, J.: "Investigation to the temperature behaviour of rabbits in pyrogen tests".

Parkányi, V. - Rafay, J. - Kolataj, A. - Letkovicá, M.: "The influence of short lasting starvation upon the leukocytes of rabbits".

Kovács Virányi, Á.: "Histological examination of the hair follicles of angora rabbits from varioms body regions in different seasons".

Szabó, I.: "Way and effect of foor-urea in organism of rabbit".

Ouhayoun, J. - Delmas, D.: "Meat quality of rabbit".

II. "Effects of chilling and storage conditions on carcass shrinkage and muscular pH".

Hofmeister, B. - Brem, G.: "The influence of donors and recipients on embryo-transfer results in rabbits".

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## NECROLOGICA

Al cerrar esta edición del Boletín nos llega la triste noticia de la defunción de

**D. JULIAN CUEVAS**  
Vice-presidente de ADESCU

ocurrida en Zaragoza el pasado día 14 de octubre.

El Consejo Redactor del Boletín, así como la Junta de ADESCU expresan su más sentido pésame a sus familiares.