

Selection of finished MSc theses at ADP (2020)

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Animal species	Title of thesis	ADP Supervisor	Chair group / company involved
cattle	The relationship between ambient temperature on the day of gamma interferon bleeding and subsequent test result to bovine tuberculosis in cattle	Frankena	Agri-Food and Biosciences Institute, North-Ireland
cattle	Early detection of ketosis in dairy cows using robot and sensor data	Frankena	Lely BV, Maassluis
cattle	Data analysis and validation of 'Claw health Bulk milk test'	Frankena	Royal GD, Deventer
cattle	The effect of conception on the persistency in a cow-side lactation curve	Frankena	Univ. Utrecht (Diergeneesk.)
cattle	Effects of Bovikal ^c Dry on behavior on dairy cows around dry-off	Frankena	Univ. Utrecht (Diergeneesk.) & Boehringer-Ingelheim
cattle	The effect of prepartum feeding of negative DCAB diets on transition diseases, dry matter intake and lactation performance in dairy cows	Soede	De Heus, Ede
cattle	Prediction of postpartum transition-related health problems in dairy cows by ante-partum serum parameters	Soede	De Heus, Ede
cattle	Possibility of using cow behaviour measured by sensors to predict silent oestrus in dairy cows	Soede	Univ. Utrecht (Diergeneesk.) & NEDAP, Groenlo
cattle	The effect of DCAB and VEM content of the close up ration on the behaviour of cows prepartum and calcium blood levels postpartum	Stassen	Univ. Utrecht (Diergeneesk.) & NEDAP, Groenlo
cattle	The relationship between hypocalcemia and the peripartum behavior of dairy cows	Stassen	Univ. Utrecht (Diergeneesk.) & NEDAP, Groenlo
cattle	Effects of preceding diet, transportation duration and transportation conditions on body condition and health status of young veal calves upon arrival at the veal farm	van den Brand	
cattle	Relationships between cow and calf characteristics in the first 4 weeks of life	van den Brand	
cattle	Effects of different transport ages on natural antibodies in veal calves	van den Brand	
cattle	The effects of extending the voluntary waiting period on services per conception in dairy cows and the added value of extended lactation for Dutch dairy farmers	van Knegsel	
cattle	Using milk mir data to predict productive life and calving interval with machine learning algorithms in dairy cows	van Knegsel	Delta Instruments
cattle	Effects of pasture supply and stocking rate on dairy cow performance and behaviour at grazing	van Knegsel	Teagasc, Ireland
cattle	Effect of physical diet characteristics on intraruminal equilibration and absorption rate of VFAs in lactating dairy cows	van Knegsel	Cargill, Velddriel, on behalf of VDN
cattle	Effect of dry period length and diet composition on resumption of ovarian cyclicity in dairy cows	van Knegsel	
cattle	Effect of extended voluntary waiting period on ovarian cyclicity in Holstein Friesian dairy cows	van Knegsel	
chicken	Provisioning of live black soldier fly larvae to broilers has a positive influence on activity, without affecting leg health	Bolhuis	

chicken	Effect of early nutrition on intestinal bacterial colonization in broilers	Lammers	
chicken	Binding of natural autoantibodies (NAAbs) of different animal conditions to healthy and dying chicken cells	Lammers	
chicken	Trained innate immunity in poultry	Lammers	
chicken	Microbiota composition in relation to chicken's monocyte/macrophage activity	Lammers	
chicken	Measuring the binding of antibodies to gut microbiota in high and low feather pecking chickens using flow cytometry	Lammers	
chicken	What is the effect of early life administration of adult microbiota on gene expression in the spleen of laying hens?	Lammers	
chicken	Effect of Per-hatching environment on chick quality and chick performance	Molenaar	
chicken	The effect of different hatching systems on performance in broilers	Molenaar	
chicken	Transfer of natural auto-antibodies via egg yolk in chickens divergently selected for natural antibodies binding keyhole limpet hemocyanin	Parmentier	
chicken	Effect of sanitary conditions and early feeding on levels of (auto)antodibodies in broilers	Parmentier	
chicken	Effects of selective breeding, sanitary conditions and early nutrition on levels of natural antibodies and complement in chickens	Parmentier	
chicken	The relation between natural antibody levels and Toll-like receptor 1A genotypes in chickens at different ages	Parmentier	
chicken	A study on organic laying hen welfare	Rodenburg	
chicken	Metabolic response of juvenile red jungle fowl to lowering ambient temperatures	van den Brand	Univ. of Linköping
chicken	Effects of dietary mineral sources in broiler breeders on leg health of their offspring	van den Brand	
chicken	Effects of pen enrichment on performance, walking ability and behaviour of fast and slow growing broilers	van den Brand	
chicken	Effects of broiler breeder growth curve, energy to protein ratio in the diet and age on chick quality and broiler performance	van den Brand	
chicken	Effects of incubation temperature and early provision of feed on adaptive capacity of broiler chickens	van den Brand	
chicken	Effects of vibration on hatching egg quality and embryonic development	van den Brand	
chicken	Effects of heating layer houses on survival of poultry red mite (<i>Dermanyssus gallinae</i>)	van den Brand	
chicken	Effect of diet composition and incubation temperature on wing characteristics of broiler chickens	van den Brand	
chicken	Effects of environmental enrichment on performance, behaviour, locomotion quality and leg pathologies of fast and slow growing broilers	van den Brand	
chicken	Effect of broiler breeder immunisation with LPS or B-glucan on macrophage responses in the offspring	Verwoolde	
dog	Breeder associated risk factors for rejection of service dog in the Netherlands	Graat	Stichting Hulphond
dog	Aggression in dogs: the societal attitude towards dog aggression in the Netherlands	Stassen	
farm animals	One Health approach in zoonotic disease control by Dutch policymakers: definition, approach and moral convictions	Stassen	
horse	A comparison of the efficacy of five commercial fly repellent sprays on horses	Frankena	Wag. Livestock Research

pig	Maternal behaviour in gilts - The effect of genotype, social rearing environment and mixing after weaning	Bolhuis	SLU, Sweden
pig	Comparing methods that identify eaters of creep feed in piglets	Bolhuis	
pig	Tropism and persistence of <i>Toxoplasma gondii</i> : a study on pigs and ticks	Frankena	École Nationale Vétérinaire d'Alfort, Paris, France
pig	Epidemiological analysis of <i>Toxoplasmosis gondii</i> infection in German pigs	Frankena	VION, Boxmeer
pig	Risk assessment of African swine fever virus entry into the Netherlands from China via human mediated routes	Frankena	Wag. Bioveterinary Research, Lelystad
pig	The effect of early and later life environmental enrichment on natural antibodies binding phosphoryl-bovine serum albumin in pigs	Parmentier	
pig	Optimising resilience by early social and environmental enrichment	Parois	
pig	The effect of using black soldier fly larvae (BSFL) as environmental enrichment on social skills of piglets	Reimert	
pig	Negative emotional contagion in pigs (<i>Sus scrofa</i>) through auditory stimuli, and the effect of sex and coping style	Reimert	
pig	The activity pattern and daily time budget of gilts in "Het Familievarken"	Reimert	
pig	A welfare assessment of sows housed in a group housing system during lactation: the effect of delayed grouping and split-weaning	Reimert	
pig	General resilience: A measure for welfare and productivity in pigs	Rodenburg	
pig	Heat stress influences on sow reproductive performance	Soede	
pig	Introduction of CRISPR/Cas9 into parthenogenetically activated porcine zygotes by electroporation	Soede	Friedrich-Löffler-Institute, Mariensee, Germany
pig	Relations between IGF-1 levels and follicle- and CL size, and subsequent litter characteristics in sows	Soede	Helsinki University, Finland
pig	Effect of a novel boar pheromone spray on standing behavior in sows and gilts	Soede	Univ of Illinois, USA
pig	Piglet characteristics and their effect on feed intake behaviour in a multi-suckling housing system	Soede	Wag. Livestock Research, ANU
rabbit	The effect of mixing kits from poor and healthy litters on post-weaning mortality in parc-housed fattening rabbits	Graat	Wag. Livestock Research
sheep	The effect of pregnancy on stress in sheep (<i>Ovis aries</i>)	Reimert	Utrecht University