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2010

ANNUAL RESEARCH REPORT



RDA
RURAL DEVELOPMENT
ADMINISTRATION
NATIONAL INSTITUTE OF
ANIMAL SCIENCE

FOREWORD



Since last year we have experienced some painful period especially for animal production farmers because of the recent outbreaks of serious infectious animal diseases such as foot-and-mouth disease and high pathogen avian influenza. In addition, the enlargement of globalization by the FTA agreement between the EU and South Korea require securing the international competitiveness for animal production, and selection criteria of customers have been changing into the safety and quality of animal products. To reach the national and social demands for the National Institute of Animal Science (NIAS), we have been working with all our might to develop innovative livestock technologies for promotion of the new growth engine, production of high quality and safety meat, and economic strategies against international competition in livestock industry of Korea. It is also required for NIAS to solve the longstanding industrial problems such as post-mortems, livestock waste and recycling of animal excretions.

In 2010, we had carried out a total of 321 research projects to meet our social expectations. Among our research results, 105 Political Proposals and 183 On-farm Applications have been adopted and applied to national organization and industrial fields. In addition, we have presented the various achievements of a total of 178 cases of industrial patents and technology transfers for industrialization, a total of 172 research article publications



(including 69 articles in SCI level), and a total of 321 research presentations. Some of those have been awarded the grand prize in Green Technology Exhibition and selected as National Superior Research Achievement 100 by Ministry of Education, Science, and Technology.

This report will be a valuable reference to our clients including stock farmers, industry stakeholders, universities, government, and consumers. However, it is my ardent desire that we should strive for better quality, relevant and research breakthroughs in the light of the rapid advancement which was made by our research partners worldwide.

Be assured, however, that the entire NIAS staff will one and double their efforts to bring our beloved Korea in the global research limelight in the near future.

Finally, I would like to express my sincere appreciation and thanks to all the livestock industry leaders, farmers, committee expert members, concurrent senior researchers, honorary field researchers and NIAS family for a job well done.

May 2011

Won-Kyong, Chang, Ph.D.

Director General

National Institute of Animal Science, R.D.A.

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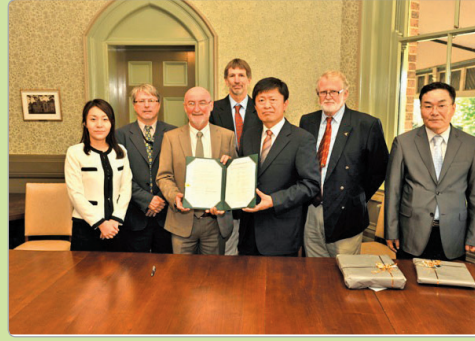
1. Annual Meeting for Developing New Projects (February 2, 2010.)
2. Agreement for Technology Transfer of Official Invention of R.D.A. (February 9, 2010.)
3. Contract of Agreement for Technology Cooperation and Collaboration between Korea Forest Research Institute and NIAS (February 19, 2010.)
4. Invitation Meeting of Agriculture Journal Reporters (February 22, 2010.)
5. Explanatory Meeting and Open Forum of Researches on Establishment of Animal Production Systems for Decreasing Antibiotics (February 23, 2010.)

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6. Annual Meeting and Agriculture Research Field Invitation of Green Growth Committee (February 26, 2010.)

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7. Contract of MOU between New England University and NIAS (March 19, 2010)

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8. ETechnology Transfer for "Moisture Tester for Silage" (May 18, 2010)



9. Invitation Meeting of Academic Society Presidents of Agriculture, Food, and Life Science (July 5, 2010)

10. Conclusion of Agreement for Environment-friendly Animal Production Researches between CJ Cheiljedang and NIAS (July 7, 2010.)

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11. The First Half Annual Meeting of Green Technology Advisory Committee of Livestock Industry (July 13, 2010)

12. Invitation Meeting of Agriculture Journal Reporters (July 15, 2010.)

13. Conference for Planing the Basis-establishment for Black Goat Breeding (July 15, 2010)

14. Free Food-tasting Ceremony of "UriMadak" (August 12, 2010)

15. International Symposium on Current Research and Development of Prediction Model of Beef Palatability (August 15, 2010)

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16. Open Forum of Certification to Pig Farm for Animal Benefits (August 26, 2010)

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17. International Symposium on Industrialization Plans of Biogas Production Using Livestock Manure (September 2, 2010)

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18. Demonstration of Fibrous Formulated Feed Mixture Using Agricultural Byproduct (September 3, 2010)

19. Sensory Test and Appraisal for Whole Crop Barley and IRG Feeding Hanwoo Meat (September 8, 2010)

20. Beginning Ceremony for Bio-organ Production Research Conference (September 9, 2010)

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21. Conclusion of MOU between NILGS, Japan and NIAS, Korea (September 14, 2010)

22. Symposium on Improving Technologies for the Production of Larger Chickens (September 15, 2010)

23. International Symposium on Motivation of Production and Utilization of Whole Crop Barley (September 16, 2010)

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24. The 3rd Domestic Contest for Silage Quality (October 7, 2010)

25. The 5th Contest for the Pasture Natural Cheese and Exhibition of Fermented Raw Hams (November 5, 2010)

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26. Award Ceremony of Grand Prize on Livestock and Feed (December 14, 2010)

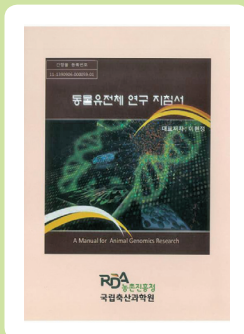
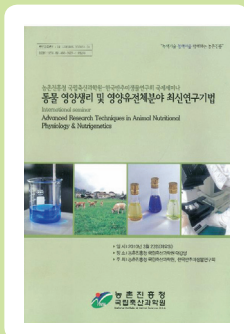
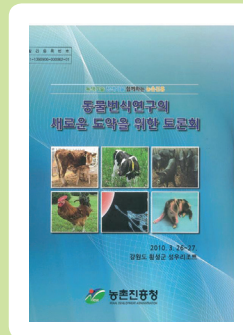
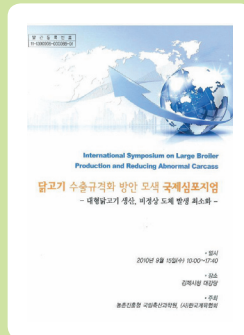
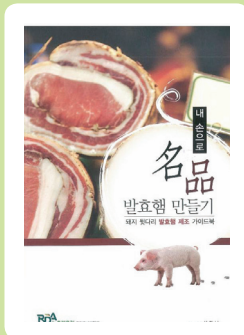
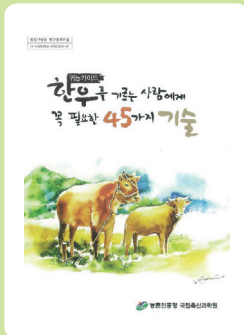
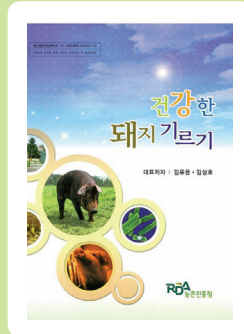
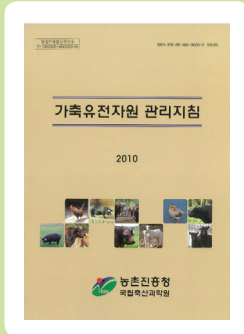
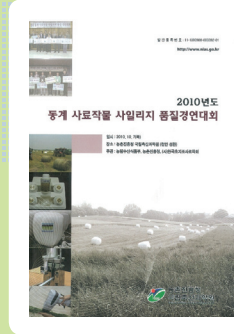
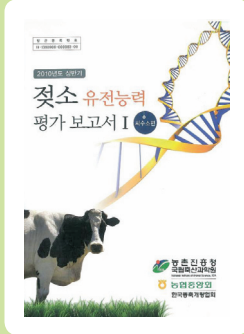
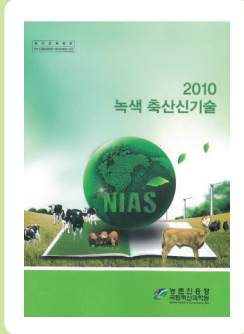
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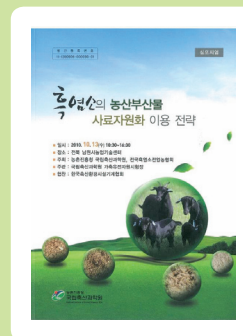
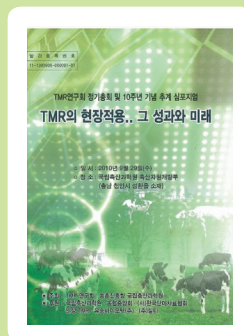
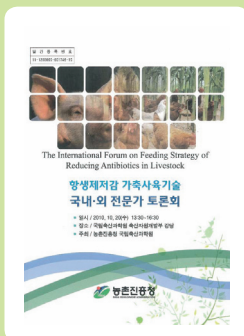
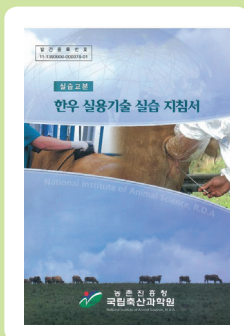
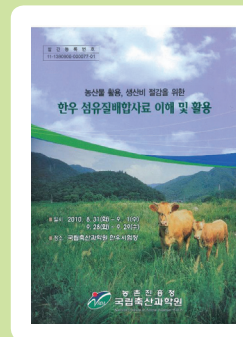
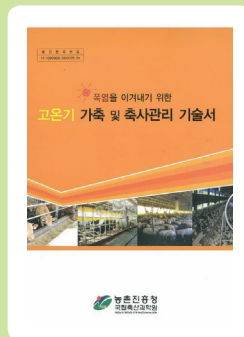
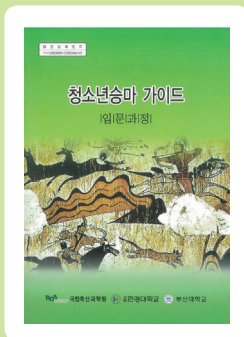
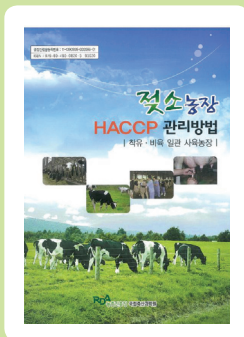
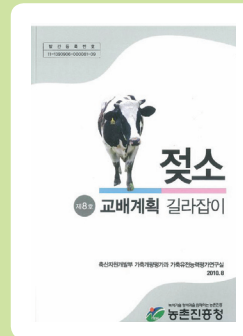
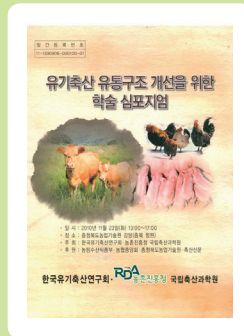
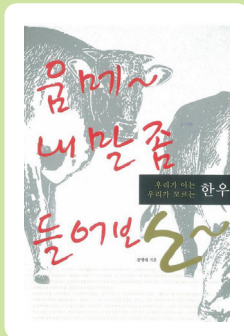
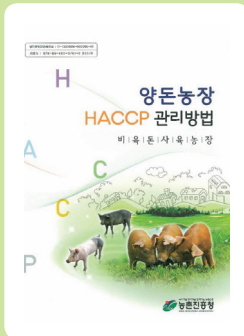
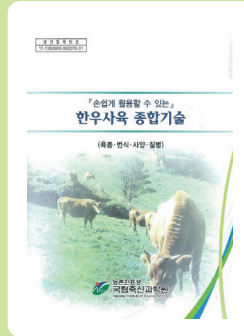
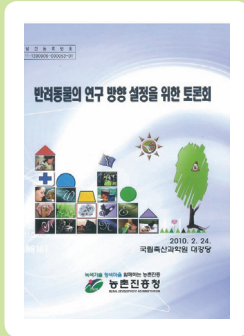
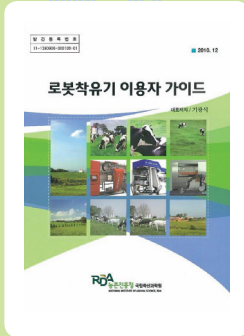
27. Award Ceremony for Top Researchers of NIAS (December 20, 2010)

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▣ Books published by NIAS in 2010 ▣



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