



Current and Future Reproductive Technologies and World Food Production [

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ed. lit
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ed. lit

Springer New York,
2014

Animal physiology Reproductive Medicine Food science Agriculture
Wildlife management Animal Physiology Reproductive Medicine Food
Science Agriculture Fish & Wildlife Biology & Management

Monografía

This book addresses the impacts of current and future reproductive technologies on our world food production and provides a significant contribution to the importance of research in the area of reproductive physiology that has never been compiled before. It would provide a unique opportunity to separate the impacts of how reproductive technologies have affected different species and their contributions to food production. Lastly, no publication has been compiled that demonstrates the relationship between developments in reproductive management tools and food production that may be used as a reference for scientists in addressing future research areas. During the past 50 years assisted reproductive technologies have been developed and refined to increase the number and quality of offspring from genetically superior farm animal livestock species. Artificial insemination (AI), estrous synchronization and fixed-time AI, semen and embryo cryopreservation, multiple ovulation and embryo transfer (MOET), in vitro fertilization, sex determination of sperm or embryos, and nuclear transfer are technologies that are used to enhance the production efficiency of livestock species.

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Título: Current and Future Reproductive Technologies and World Food Production [Recurso electrónico] edited by G. Cliff Lamb, Nicolas DiLorenzo

Editorial: New York, NY Springer New York Imprint: Springer 2014

Editorial: New York, NY Springer New York 2014

Descripción física: X, 249 p. 37 il., 18 il. col

Mención de serie: Advances in Experimental Medicine and Biology 752

Nota general: Description based upon print version of record

Bibliografía: Includes bibliographical references and index

Contenido: Chapter 1. Current and future assisted reproductive technologies for mammalian farm animals -- Chapter 2. Current and future assisted reproductive technologies for avian species -- Chapter 3. Current and future assisted reproductive technologies for fish species -- Chapter 4. Incorporation of genetic technologies associated with applied reproductive technologies to enhance world food production -- Chapter 5. Impacts of Reproductive Technologies on Beef Production in the United States -- Chapter 6. Impact of Reproductive Technologies on Dairy Food Production in the Dairy Industry -- Chapter 7. Impact of swine reproductive technologies on pig and global food production -- Chapter 8. Impacts of reproductive technologies on beef production in South America -- Chapter 9. An Australasian perspective on the role of reproductive technologies in world food production -- Chapter 10. A perspective on the impact of reproductive technologies on food production in Africa -- Chapter 11. International perspectives on impacts of reproductive technologies to world food production in Asia -- Chapter 12. International perspectives on impacts of reproductive technologies to world food production in Asia associated with poultry production -- Chapter 13. Beef Cattle in the Year 2050. .

Lengua: English

ISBN: 9781461488873 9781461488880 9781461488866 9781493953394

Materia: Animal physiology Reproductive Medicine Food science Agriculture Wildlife management Animal Physiology. Reproductive Medicine. Food Science. Agriculture. Fish & Wildlife Biology & Management.

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Enlace a formato físico adicional: 1-4614-8886-9

Punto acceso adicional serie-Título: Advances in Experimental Medicine and Biology 752

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