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# Artificial Insemination Animals

Advantages and limitations. The organs of reproduction. The role of hormones in reproduction. General information. Factors influencing the quality

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and quality of sperm.

Cattle. Sheep and

goats. Horses and

jackstock. Birds.

Swine. Breeding

better livestock.

Systems of breeding.

Selection of sires. Co-

operative artificial

breeding associations.

Shipping of semen.

Disease in relation to

artificial insemination.

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Feeding and  
management of sires.  
The soil and the seed.  
The storage and the  
planting. the  
cultivation and the  
harvest.

The Artificial  
Insemination and  
Embryo Transfer of  
Dairy and Beef Cattle  
(including Information  
Pertaining to Goats,

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Animals  
(Sheep, Horses, Swine,  
and Other Animals)

A Handbook and  
Laboratory Manual  
5th International  
Congress on Animal  
Reproduction and  
Artificial Insemination  
Proceedings of the  
Conference on  
Artificial Insemination  
of Beef Cattle

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***insemination  
is used instead  
of natural  
mating for  
reproduction  
purposes and  
its chief  
priority is that  
the desirable  
characteristics  
of a bull or  
other male***

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***livestock  
animal can be  
passed on  
more quickly  
and to more  
progeny than  
if that animal  
is mated with  
females in a  
natural  
fashion. This  
book contains***

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Insemination  
*under one*  
Animals  
*cover 16*

*chapters of  
concise, up-to-  
date  
information on  
artificial  
insemination  
in buffalos,  
ewes, pigs,  
swine, sheep,  
goats, pigs and*

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***dogs. Cryopres  
ervation effect  
on sperm  
quality and  
fertility, new  
method and  
diagnostic test  
in semen  
analysis,  
management  
factors  
affecting***



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***fertility after  
cervical  
insemination,  
factors of non-  
infectious  
nature  
affecting the  
fertility, fatty  
acids effects  
on  
reproductive  
performance***

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***of ruminants,  
particularities  
of bovine  
artificial  
insemination,  
sperm  
preparation  
techniques  
and  
reproductive  
endocrinology  
diseases are***

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***described.***

***This book will  
explain the  
advantages  
and  
disadvantages  
of using AI,  
the various  
methodologies  
used in  
different  
species, and***

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*how AI can be  
used to  
improve  
reproductive  
efficiency in  
farm animals.  
Artificial  
insemination  
in cattle;  
Management,  
selection and  
length of*

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***usefulness of  
bulls; Semen  
collection and  
production;  
Assessment of  
semen quality;  
Semen  
composition,  
metabolism  
and physical  
state in  
relation to***

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**storage and  
dilution;**

**Dilution and  
storage media;**

**Semen  
handling,**

**cooling,  
dilution and**

**transport;  
Antibiotics in**

**semen  
diluent; Ultra-**

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***low  
temperature  
storage of  
semen;  
Insemination  
techniques  
and  
management  
factors  
influencing  
conception  
rates;***

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insemination  
in other  
animals;  
Artificial  
insemination  
in the water  
buffalo;  
Artificial  
insemination  
in the sheep;  
Artificial***



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***insemination  
in goat;***

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***insemination***

***in the pig;***

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***in the horse;***

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***insemination***

***in mule***

***production;***

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***Artificial  
insemination  
in the dog;  
Artificial  
insemination  
in rodents;  
Artificial  
insemination  
in poultry;  
Some other  
aspects of  
artificial***

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*Insemination  
Animals*  
***insemination;  
Development  
of artificial  
insemination  
in the tropics;  
Export of  
semen.***

***Artificial  
Insemination  
of Farm  
Animals in the  
Soviet Union***

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**Reproductive  
Technologies  
in Farm**

**Animals:  
Artificial  
Insemination  
The Artificial  
Insemination  
of Dairy and  
Beef Cattle  
Artificial  
Insemination**

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The technique by which semen is collected and then introduced into the female reproductive tract at the right time is referred to as artificial insemination. Under hygienic conditions, the semen is placed either into

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the cervix or the uterus. Using this technique, germplasm of the male animals of the highest quality can be utilized effectively with least regard to their location, especially in remote locations. Artificial insemination is helpful in livestock improvement. It allows the use of injured

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animals and increases the rate of conception. Mating of animals with great difference in size also becomes possible. Popular insemination methods employed include recto vaginal method and spectrum method. The book presents researches and studies performed by experts across the globe. Also included in

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this book is a detailed explanation of the various concepts and applications of artificial insemination. As this field is emerging at a rapid pace, the contents of this book will help the readers understand the reproductive technologies in farm animals.

Material is organized



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into 5 parts for easy and ready use, broadening the usefulness of the book, making it the most comprehensive, hands-on AI manual available. This manual prepares users for the "real world" by exposing them to the latest technology and techniques used in the reproduction and the

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practice of artificial insemination (AI) in livestock. Part One provides information on the advantages and considerations of artificial insemination, basic livestock genetics, the anatomy and reproductive processes of the cow and bull, and semen collection methods. It relates statistics on AI

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usage and general information about NAAB and CSS. Part Two deals with semen characteristics, including evaluation, processing, and extension; freezing and cryogenic storage; and care of the refrigerator unit. The various tests for semen quality are discussed in detail as is custom selection of

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semen. Part Three explains insemination techniques for dairy and beef cattle, inseminator training, pregnancy determination in cattle, conception rates, and breeding problems. The exercise on "Embryo Transfer and Related Practices" explains the advances and techniques

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involved in the field.

Part Four includes an overview of sire selection, sire health, sire management, AI organization, and career opportunities.

Part Five explains the use and techniques for artificial insemination in dairy goats and other farm animals.

For herd operators and persons involved

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in genetic development—of particular use to people interested in livestock improvement. For those who are anticipating careers in some phase of the AI industry.

Artificial insemination of animals bill

Artificial Insemination and Animal

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Production

TRENDS IN

ARTIFICIAL

INSEMINATION OF

FARM ANIMALS.

The Semen of Animals

and Artificial

Insemination

Reproductive

physiology of

sheep and goats;

Factors involved in

variation of

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reproductive  
characteristics;  
Artificial

insemination of  
sheep and goats;

Collection and  
preservation;

Detection and  
control of oestrus  
and ovulation;

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insemination of



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ewes and does;  
Pregnancy tests,  
usefulness and  
accuracy.

Artificial

Insemination in

Farm Animals

Reproductive

Technologies in

Farm Animals, 2nd

Edition

The Artificial

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Insemination of  
Farm Animals  
(including  
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Goats, Sheep,  
Horses and Swine)  
a Handbook and  
Laboratory Manual  
Training Manual  
on Artificial  
Insemination in  
Sheep and Goats

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Historical background;

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of hormones in

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Evaluation of semen

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Factors influencing the  
quality and quantity of

semen; Dairy cattle;

Beef cattle; Buffaloes;

Horses and Jackstock;

Sheep and goats;

Swine; Poultry; Dogs;

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Honeybees; Frozen semen; The shipping of semen; Livestock improvement and artificial insemination; Disease and artificial insemination; Artificial breeding organization. Artificial Insemination and Treatment of Infertility in Dairy Animals by Honnappagol and Tandle is a handy

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work of 16 well experienced faculties drawn from different departments of higher learning. Most of them are actively engaged in under-graduate and post-graduate teaching with considerable expertise. Adequate care has been exercised by the editors to incorporate

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all the aspects of artificial insemination and infertility in the chapters form 1 to 20 so that it can serve as a real guide to the students and veterinarians and in turn minimizing the possible economic losses to the dairy animal owners and dairy Industry.

Adequate care has

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been taken to include all spheres of infertility starting from endocrinology of estrous cycle, role of nutrition, feed formulation, breeding strategies, estrus detection aids, recent advances in reproduction controlled breeding, fertility improvement use of ultrasound and

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laparoscopy,  
therapeutic  
management of  
infertility and  
reproductive disease  
control. Practical  
knowledge and skill in  
respect of handling,  
storage and evaluation  
of frozen semen,  
safety handling of  
cryocans and liquid  
nitrogen, factors  
affecting success rate



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in artificial  
insemination  
programme and drugs  
and hormones used in  
treating reproductive  
disorders is also  
provided.

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of Farm Animals  
Artificial Insemination  
and Treatment of  
Infertility in Dairy  
Animals

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Iskusstvennomu  
Osemeneniyu Sel'sko  
hozyaistvennykh  
Zhivotnykh)

Artificial Insemination  
in Livestock Breeding  
**Building on the  
successful  
structure of the  
first edition,  
the second  
edition of  
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Technologies in**

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**Farm Animals has  
been totally  
updated and  
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provide an up to  
date account of  
the key  
techniques  
employed in  
manipulating  
reproduction in  
farm animals,  
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review of the  
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techniques that  
may be useful in  
their daily  
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Proceedings of  
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