

Technical summary and practical experiences
at
Sheep and goats raising

Prof. D. Aboufandoud Ismail

Research Head - Former Head of Department

Sheep and Goats Research Department

Animal Production Research Institute

Dokki - Giza

aboufandoud@yahoo.com

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Dedication

- To the pure spirit of my father, for what he made in raising me and caring for me.
- To my mother's pure spirit, who endured and suffered greatly in raising me.
- To my partner in the journey of my struggle and who is keen on raising my children.
- To the souls of the pure martyrs of the January 2011 revolution. Who gave their lives as a sacrifice to Egypt. In order to provide livelihood, freedom, equality and social justice. And not tyranny, even if in its slightest form.
- To everyone who strives to achieve the interest of the homeland, and not to his personal interests. By setting standards and regulations governing any work to select the appropriate job cadres for the appropriate job location, and not according to personal whims.

Topics

Chapter One: Introduction

Chapter Two: Establishing flocks of sheep and goats

Advantages of raising sheep and goats

The most important points determining the success of the project:

First: The purpose or the production goal

Second: the place

Third: the capital

Fourth: the strain

1- Breeds of sheep

A - local sheep

B - foreign sheep

2- Goat strains

2- a- Local goats

2- b- Foreign goats

Fifth: the size of the herd

Sixth: Shepherd (and trained workers)

Seventh: Buying animals

- General specifications of a good animal
- What is taken into account when buying?

Eighth: Estimating age

The age range of the herd

The third chapter: Sheep and goats dwellings and the necessary equipment and tools

Chapter Four: Sheep and Goats Care and Farm Operations

Farm operations:

First: daily operations

Second: seasonal operations

Third: Operations that may be daily or seasonal

Seasonal operations mentioned in detail:

1- Receiving purchased animals and how to deal with them

2- Dowsing animals

3- Giving basic vaccinations and immunizations

4- Trimming the hooves

5- Neutering excess males, and cutting off the tail in sheep

6- Cut the pods

7- Numbering of animals

8- Animal and farm data recording (records)

9- Animal and farm records

10- Weigh the animals periodically

1- Preparing for the pollination season 2- Caring for ewes and goats: A - Caring for ewes and goats that are in malaise B- Preparing ewes and goats for the pollination season C - insemination of sheep and goats: 1- Natural insemination 2- Artificial insemination D - Pregnancy diagnosis to identify ewes or public goats 3- Taking care of public ewes and goats 4- Taking

care of females during childbirth 5- Taking care of the newborn until weaning 6- Taking care of lambs and goats after weaning 7- Preparing and raising rams and goats 8- The milking of goats and ewes • Healthy milk measures • Cleanliness of milk utensils and tools 9- Drying ewes and goats 10- Cleaning and disinfection of barns 11- Excluding males and females whose productive capacity is low Third: Seasonal or daily operations: keeping and handling animals

Ways to catch animals

Chapter Five: Feeding Sheep and Goats

1- Feeding the females who will enter vaccination groups

2- Feeding the publican females

3- Feeding females after childbirth

4- Feeding newborns until weaning

5- Feeding weaned lambs and goats

A- Feeding lambs and goats necessary for breeding

B - Fattening of lambs and goats in excess of the farm need

Fattening systems: fast - slow (normal)

6- Feeding rams and goats

Nutritional needs and decisions

Creating economic feeds from available raw materials

Keeping green fodder:

1- Clover hay

2- Silage

3- Biological transactions

Chapter VI: Health care and diseases of sheep and goats

How do you infer the sick animal?

1- Division of diseases according to the cause of the disease:

First: Parasitic diseases (external and internal)

External parasites:

Scabies

Parasitic blood diseases

Lice

Sheep

Internal parasites (nematodes

Pulmonary - tapeworm

Hepatic worm

Coccidiosis

Toxoplasma - chlamydia

Second: Viral diseases (lamb pox

Foot and mouth disease

Contagious pitum

Rift Valley Fever

Blue tongue

Blue tongue - bovine viral diarrhea

Infectious bronchitis

Influenza ATRV - cattle hypertrophic respiratory virus

Pest of small ruminants

Rinderpest

Third: bacterial diseases (hemorrhagic septicemia - pastrilla -
Anaerobic diseases (Clostridium) Lambs dysentery - contagious

miscarriage (Brucella) Paratuberculosis - pseudotuberculosis Charcoal Fever - Pit Moth - Salmonella Listeria - campylobacter - tetanus fever) Fourth: Mycoplasma diseases (infectious crystal pneumonia - mastitis) Fifth: diseases related to malnutrition (emphysema - Punch - preeclampsia - milk fever Hypothermia - Epaulette Sixth: Causes of female abortion 2- The division of diseases according to the symptoms of the disease Preventive program from epidemic and infectious diseases in animals Veterinary control scheme

Chapter Seven: Sheep and Goat Products and Economic Feasibility

1- Meat production

Economic feasibility study in sheep

First: An evaluation of a sheep breeding farm project

Second: The economic feasibility of lambs fattening

2- Milk production

Feasibility of raising a herd of 100 dairy goats

How can the profitability of the project be increased?

3- Leather production

4- Producing municipal fertilizer and compost

5- Production of wool and hair

The eighth chapter: modern technologies to raise production efficiency

Using modern technologies and intensive production to raise production efficiency in raising sheep and goats:

1- Numbering and recording production using the farm manager program

1- Intensive production

2- Regulating the infection and hormonal treatments and diagnosing pregnancy with sonar

4- Artificial insemination

5- Embryo transfer

6- Embryo naturalization and cloning

7- Genetic evidence and evidence-assisted selection

8- Early weaning and the use of modern breastfeeding methods

9- Milking techniques

10- Preserving green fodder through silage and biological treatments. Production of feed substitutes - germinated barley

Chapter Nine: Appendices and Schedules Service prices are available for educators

Prices of some tools and equipment available to breeders Sheep and goat's registration programs and books Transfer table

Chapter Ten: References

The book 213-page Envelope B5 volume was updated January 1, 2013 Attached with the book a CD with pictures of the book in color.