DAIRY GOAT
EXPO STUDY GUIDE

LARGE ANIMAL EXPO
Madera County 4-H
Level I & II
# Madera County 4-H Dairy Goat
## Study Guide Level I & II

### Written Test

<table>
<thead>
<tr>
<th></th>
<th>Level I</th>
<th>Level II</th>
</tr>
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<tbody>
<tr>
<td>Entry Form</td>
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<tr>
<td>Dairy Goat Parts</td>
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<td>Quiz True/False</td>
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### Expo Day Skills

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<tbody>
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<td>Showmanship Skills</td>
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<tr>
<td>Sub-Total for Written Test</td>
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<td>Total for Expo Skills</td>
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<td>205</td>
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<tr>
<td>Total Needed to Pass Level</td>
<td>113.6</td>
<td>164</td>
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</table>

### REFERENCES:
- Your Dairy Goat (WREP 47)
- Minnesota Goat Series, Book 1, 2, & 3 (Available at the 4-H Office)

### EQUIPMENT:
- **Members are responsible for bringing their own animal and equipment for their skills day, ie. Clippers, stand, balling gun, etc.**

### FEED ID KITS:
- Are available at the 4-H Office for you to check out and study.
ADGA - American Dairy Goat Association
Anemia - Deficiency of Red Blood Cells. The eyelids and gums can be very light, grey or white. Often a sign of parasites and a need for deworming.
Bloat - Excessive gas build up in the rumen. May result from sudden overeating of grain.
Bred Doe - A pregnant doe.
Buck - Male goat.
Buckling - A male goat usually between six months to one year.
Butterfat - The fat content or cream of the milk. Often expressed as a percent of milk, ie. % butterfat.
Butting - Method of fighting among goats in which they hit each other with their heads.
Capriculture - Goat husbandry
Castrate - Removal of testes of male goat.
Chevon - Goat meat.
Chewing cud - Regurgitated feed stuff. To further break down food for easier digestion.
Condition - Degree of fatness in an animal.
Creep feeder - A feeding area which allows goat kids to eat and not adult goats.
Cull - Animal taken out of herd because of below herd standards.
Dam - Mother goat.
Dehorn or disbudding - Removing of horns.
Dental pad - Part of the gums on the upper jaw. It is basically a substitute for top front teeth.

Doe - Female goat.
Doeling - A female goat usually between six months to one year.
Dry goat - Not in milk.
Fill - Amount of water and feed in an animal at any time.
Freshen - Doe that begins to produce milk after kidding.
Grooming - Hair properly groomed with soft, pliable hide.
Kid - Young goat under six month of age.
Nurse Goat - Goat nursing kids other than its own.
Parasite - An organism that grows, feeds, and is sheltered on or in an animal while contributing nothing and causing harm to that animal.
Polled - Goat born without horn buds.
Ration - Total feed given during 24 hours.
Scours - Diarrhea or loose manure.
Scrub - An animal of unknown or unproven ancestry.
Scurs - Incomplete horn growth resulting from inadequate removing of the horns. Usually these are just short pieces, but sometimes have to be removed if they begin to grow into the goat’s skull.
Sire - Father goat.
Wattles - Hair-covered appendages of flesh hanging from the throat area. Sometimes there are “misplaced” wattles on other parts of the body. They serve no real function.
Wean - Kid taken away from its mother.
Wether - A buck that has been castrated or neutered.
Yearling - A buck or doe between 6 and 15 months.
# Livestock Entry Form

## Level I & II

**Madera County 4-H Study Guide**

### Livestock Entry Form

<table>
<thead>
<tr>
<th>LAST NAME</th>
<th>FIRST NAME</th>
<th>MIDDLE INITIAL</th>
<th>JUNIOR DEPARTMENT</th>
<th>GRADE</th>
<th>BIRTH DATE</th>
<th>AGE</th>
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<tbody>
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**All Divisions**

**Madera District Fair**

25826 Ave. 15 ½

Madera, CA 93637

674-8511

**Signature of Legal Parent or Guardian**

**Address**

**City**

**Zipcode**

**Phone**

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### Signature of Owner or Agent

<table>
<thead>
<tr>
<th>Leave Blank</th>
<th>Division Number</th>
<th>Class Number</th>
<th>Breed</th>
<th>Name of Animal</th>
<th>Sex</th>
<th>Date of Birth Month/Day/Yr</th>
<th>Tattoo, Ear Tag</th>
<th>Reg Number</th>
<th>Sire Reg Number</th>
<th>Dam Reg Number</th>
<th>Name of Breeder</th>
<th>Entry Fee</th>
<th>Stall Fee</th>
<th>Total Fee</th>
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</tbody>
</table>

**Consult Premium Book for Division and Class Numbers, Entry Fees, and Entry closing dates**

**Total Entry Fees**

The undersign state herewith, that her/she is a recognized supervisor of the project of which the above entries are a part; that to his/her personal and actual knowledge the statements regarding the same are true; and he/she as read and has full understanding of the rules and regulations governing the Same and agrees to be governed by them.

**Amount Enclosed**

**Pens Required**

**Signature of Leader/Instruction**

**Chapter or Club**

**Leader/Instruction Telephone Number**
Dairy Goat Parts ID

- Poll
- Withers
- Hip
- Tailhead
- Escutcheon
- Barrel
- Thigh
- Medial Suspensory Ligament
- Dewclaw
- Pastern
- Ear
- Forehead
- Bridge of Nose
- Muzzle
- Jaw
- Neck
- Shoulder
- Chin
- Loin
- Rump
- Back
- Hip
- Thurl
- Pin Bone
- Rear Udder Attachment
- Rear Udder Stifle
- Hock
- Brisket
- Heart Girth
- Milk Vein
- Fore Udder Attachment
- Fore Udder
- Teat
- Hoof
- Knee
- Cannon Bone
# Madera County 4-H Dairy Goat Study Guide Level I & II

## EQUIPMENT & SUPPLY ID

### LEVEL I EQUIPMENT ID

- Balling gun, Metal or Plastic
- Brush, Plastic Stiff Bristles
- Caprine Bucket
- Clipper Blade, Bottom
- Clipper Blade, Top
- Clipper, Electric Hair
- Clipper oil
- Connecting Ring, Metal or Plastic
- Disbudder
- Extension Cord
- Feeder, Fence-line
- Goat Milking Stand
- Heat Lamp
- Hoof Trimmer
- Hoof Polish
- Kid Holding Box
- Kid Nursing Bottle
- Liquid Soap
- Neck Chain, Metal
- Neck Chain Tag, Plastic
- Needle, Disposable
- Nipple, Pritchard Flutter
- Stainless Steel Pail
- Syringe, Disposable
- Teat Spray
- Thermometer

### LEVEL II EQUIPMENT ID

- Alcohol
- Bearing Retainer
- Blood Stop Powder
- Breeding Service Memo
- Burdizzo
- Ear tag applicator
- Ear Tag, Metal or Plastic
- Elastrator
- Elastrator band
- Electrolytes
- Hair Coat Dressing
- Hoof Plane
- Iodine (betadine)
- Leg Snare, OB Kid Puller
- Milk Strainer
- Mineral Oil
- Registration Form
- Scalpel
- Surgical Gloves, OB
- Syringe, Automatic
- Tattoo Applicator
- Tattoo Ink
- Tattoo Number/Letter
- Tie-Out Chain, Ringside
- Vet Wrap
### Dairy Goat: Level I

#### Contestant’s Name

<table>
<thead>
<tr>
<th>SKILLS DEMONSTRATED</th>
<th>Possible Points</th>
<th>Score</th>
<th>Comments</th>
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<tbody>
<tr>
<td>Catching and Control</td>
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</tr>
<tr>
<td>Mouthing</td>
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<tr>
<td>Hoof Trimming, 1</td>
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<td>Fitting Question, 2</td>
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<td><strong>TOTAL</strong></td>
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Judge’s Initials ____________

### Dairy Goat: Level I

#### Contestant’s Name

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<tr>
<th>SHOWMANSHIP SKILLS</th>
<th>Possible Points</th>
<th>Score</th>
<th>Comments</th>
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<tbody>
<tr>
<td>Leading, turning, stop</td>
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<td>Head held properly</td>
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<tr>
<td>Set up legs</td>
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<tr>
<td>Posing - front, side, rear</td>
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<tr>
<td><strong>TOTAL</strong></td>
<td><strong>25</strong></td>
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Judge’s Initials ____________
### Dairy Goat: Level II

#### CONTESTANT'S NAME
Contestant’s Name | Club
--- | ---

#### SKILLS DEMONSTRATED

<table>
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<tr>
<th>SKILLS DEMONSTRATED</th>
<th>POSSIBLE POINTS</th>
<th>SCORE</th>
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<td>Worming</td>
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<td>Hoof Trimming</td>
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<td>Fitting Questions (2)</td>
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**TOTAL** 40

Judge’s Initials: 

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#### SHOWMANSHIP SKILLS

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<th>POSSIBLE POINTS</th>
<th>SCORE</th>
<th>COMMENTS</th>
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<tr>
<td>Leading, turning, stop</td>
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<td>Head held properly</td>
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<tr>
<td>Set up legs</td>
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<td>Moving, (side to side, front view)</td>
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<tr>
<td>Posing - front , side, rear</td>
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**TOTAL** 40

Judges Initial
## DAIRY GOAT EQUIPMENT & SUPPLY ID

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
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<tbody>
<tr>
<td>Alcohol</td>
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<tr>
<td>Balling Gun, Metal of Plastic</td>
<td>Iodine (Betadine)</td>
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<tr>
<td>Bearing Retainer</td>
<td>Kid Holding Box</td>
</tr>
<tr>
<td>Blood Stop Powder</td>
<td>Kid Nursing Bottle</td>
</tr>
<tr>
<td>Breeding Service Memo</td>
<td>Leg Snare, OB Kid Puller</td>
</tr>
<tr>
<td>Brush, Plastic Stiff Bristles</td>
<td>Liquid Soap</td>
</tr>
<tr>
<td>Burdizzo</td>
<td>Milk Strainer</td>
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<tr>
<td>Caprine Bucket</td>
<td>Mineral Oil</td>
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<td>Clipper Blade, Bottom</td>
<td>Neck Chain, Metal</td>
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<td>Clipper Blade, Top</td>
<td>Neck Chain, Plastic</td>
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<tr>
<td>Clipper, Electric Hair</td>
<td>Needle, Disposable</td>
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<tr>
<td>Clipper Oil</td>
<td>Nipple, Pritchard Flutter</td>
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<tr>
<td>Connecting Ring, Metal or Plastic</td>
<td>Registration Form</td>
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<tr>
<td>Disbudder</td>
<td>Scalpel</td>
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<tr>
<td>Ear Tag Applicator</td>
<td>Stainless Steel Pail</td>
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<tr>
<td>Ear Tag, Plastic or Metal</td>
<td>Surgical Gloves, OB</td>
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<td>Elastrator</td>
<td>Syringe, Automatic</td>
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<td>Elastrator Band</td>
<td>Syringe, Disposable</td>
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<tr>
<td>Electrolytes</td>
<td>Tattoo Applicator</td>
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<td>Extension Cord</td>
<td>Tattoo Ink</td>
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<td>Feeder, Fence-line</td>
<td>Tattoo Number/Letter</td>
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<tr>
<td>Goat Milking Stand</td>
<td>Teat Spray</td>
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<tr>
<td>Hair Coat Dressing</td>
<td>Thermometer</td>
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<tr>
<td>Heat Lamp</td>
<td>Tie-Out Chain, Ringside</td>
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<td>Hoof Trimmer</td>
<td>Vet Wrap</td>
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<tr>
<td>Hoof Plane</td>
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FOOD SAFETY and ANIMAL DRUGS:

The FDA, USDA, and EPA all work to ensure the safety and efficacy (how well a product works) of the animal health products that go on the market through a rigorous approval process. The drug companies have invested many years and lots of money to get each drug on the market. They don’t make this kind of investment so that the drug fails to do what it is supposed to do when used on animals in the field.

The drugs will do what they say they will do ONLY when they are used according to the manufacturer’s guidelines. These drugs were designed and tested for specific diseases, conditions, animals (age, sex, species), dosages and treatments periods and cannot be guaranteed safe and efficacious if they are not used according to the instructions on the label. The label is a legal document and its instructions are on the label.

- **THE LABEL (INCLUDING FEED TAGS) AND ITS INSTRUCTIONS ARE A LEGAL DOCUMENT.**
- **THE LABEL CAN ONLY BE CHANGED OR ALTERED BY A VETERINARIAN.**
- **THOSE CHANGES MUST BE WRITTEN ON A PRESCRIPTION AND ATTACHED TO THE PRODUCT.**

Livestock producers and their employees are required by law to follow the label. With better records being kept, packers will be able to trace illegal residue problems (meat and milk) and other carcass traits back to the producer and the producer will be held accountable for his part in the condemnation of that carcass.

**THERE ARE SEVEN STEPS IN THE DRUG APPROVAL PROCESS:**

1. **SCIENTIFIC DISCOVERY**
   - One in 20,000 discovered chemicals makes it to the farm.
2. **PRELIMINARY TRIALS**
   - Use simple organisms, biotechnology, and computer models to begin testing
3. **PRE-CLINICAL TRIALS**
   - Perform tests on animals to determine dosages.
4. **CLINICAL TRIALS**
   - Scientists work with producers to test products in the field to decide withdrawal periods.
5. **REGULATORY REVIEW**
   - Thorough documentation of testing is reviewed before the company gets permission to produce and sell the product.
6. **PRODUCT APPROVAL**
   - Drug is approved for use ONLY in the ways stated on the label.
   - **LABEL IS A LEGAL DOCUMENT.**
7. **MONITORING**
   - Government checks for residues in food (meat and milk products).
   - Follow up on the drug and its safety and effectiveness.

###

University of California – Cooperative Extension
QUALITY ASSURANCE (cont.)

A GOOD ANIMAL HEALTH PROGRAM INCLUDES

- A program tailored to your situation by consulting with professionals such as your **VETERINARIAN**.
- Nutrition, correctly balanced and proportioned.
- Accurate record keeping.
- Observing legal withdrawal periods for drugs.
- Proper handling facilities and equipment.
- Taking time to do the job right.
- Looking at the general health of the animal whenever you have the chance.
- Be aware of timing your management practices to create as little stress to the animal as possible and to reduce the factors that compound stress.
- Deworming, correct products and timing in the parasite’s life cycle, including observing legal withdrawal periods.

ANIMAL HEALTH PRODUCTS CAN HELP YOUR ANIMALS ACHIEVE THEIR GENETIC POTENTIAL. THEIR PROPER USAGE IS AS IMPORTANT AS THE PROPER DRUG.

- Select the correct product for the job – **CONSULT YOUR VETERINARIAN!!**
- **READ THE LABEL THAT INCLUDES FEED TAGS !!!!!** Then follow directions!
- **OFF LABEL** and extra-label usage is only **LEGAL with a veterinarian’s written prescription and must meet certain FDA requirements**. These are:
  - A valid veterinarian-client relationship is established - The diagnosis of the animal is made by and attending veterinarian who is familiar with the owner’s animal and makes routine health checks in the area where the animals are kept.
  - The health of the animal(s) is at immediate risk and suffering or death of the animal(s) would result if no immediate action was taken.
  - No approved and marketed drug exists for the condition or that a higher than approved dose would be needed for the drug to be effective.
  - Accurate records of the off-label usage and the animal must be kept.
    - The treated animals can easily be identified for an extended period of time.
  - The withdrawal time is extended as stated by the veterinarian.
  - **POSSESSION OF DRUGS AT A FAIR, LIVESTOCK EVENT, ETC. (i.e. Rompun, Ace Promazine, Dexamethazone, Aspirin, Lasix (Furosemide), gentamicin, Banamine, Baytril, etc.) WITHOUT A WRITTEN VETERINARY PRESCRIPTION ATTACHED IS ILLEGAL.**
  - **NO ILLEGAL RESIDUES OCCUR IN THE EDIBLE PRODUCTS (MEAT & MILK) OF TREATED ANIMAL.**

A Veterinarian can be fined thousands of dollars and may lose their license if they are found violating FDA laws and regulations.