CGA’s Cashmere Goat Database & Registry

https://www.cashmeregoatassociation.info
Enter via https://www.cashmeregoatassociation.org

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Goals

• A repository of data for research on cashmere goats
  • Pedigrees
  • Correlations between qualities / characteristics
• A source for farmers seeking breeding stock with specific qualities
• A repository for herd codes for cashmere goat farms in North America
• A registry for cashmere goats who have met the North American Cashmere Goat Breed standard.
History

• Work begun by CGA members in 2013
• Database (InnoDB) designed and built (in MySQL) in 2017
• RFP for interface issued in 2017
• Entries recorded and first 97 goats certified as registered in October 2017
• Live site for database/registry interface established in June 2019
Database structure & elements

- Farms & Users: Farmers, Judges, and a Registrar
- Events – for assessments / evaluations
- Goats & characteristics – as registry candidates, pedigree entries
- Evaluations – recognized shows, competitions, laboratories
  - Multiples possible per goat
- Direct access to tables for research
- Location history
The North American Cashmere Goat Standard and the NACG Registry

• The Registry as a subset of the CGA Cashmere Goat Database

• Role of the NACG standard in certifying registered cashmere goats

• Definition of the NACG Registry – an OPEN registry

• Controlling and limiting GIGO via:
  • Standardized scoring approach, recognized events & laboratories
  • System edits for “reasonableness”
  • Structural controls to eliminate duplicate entry
  • A registrar certifying all evaluations, storing backup documentation
Registration Process

- Owner entry of goat identification, goat characteristics, pedigree
- Owner or judge entry of evaluation data
- Owner delivery of backup data (scorecard scans, lab reports) to registrar
- Registrar review of evaluation data, standard requirements, backup data
- Registrar certification of evaluation; entry as “registered”
Search and List Functions

• Farm and farmer data
• Search for specific goats – registered, candidates, pedigree entries
• List of all registered goats
• Search for goats with a given sire or dam
• Search for goats with specified qualities
• Open to all users
Research

- Ad hoc queries in SQL against database
- Available on request to registrar
- Potential
  - Surveying the cashmere goat population
  - Establishing correlations between characteristics and qualities
  - Establishing scoring patterns among judges
  - In the future: correlations between management practices and qualities
DEMO

• Lists, reports
• Searches
• Registration process and certification