

REGISTRATION FORM

CUP Annual Training and Qualification

September 18-21, 2000

Registration deadline: September 1, 2000

Name/Title _____

Company Name _____

Address _____

City/State/Zip _____

Daytime phone _____

Home phone _____

Technician classification _____

Registration fee: Technicians will be responsible for travel arrangements and lodging. CUP will provide one meal per day.

Return registration form to:

CUP Training and Qualification

Attn: Donna Watson

337 Kildee Hall

Iowa State University

Ames, IA 50011

... and justice for all

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Iowa State University
Department of Animal Science
337 Kildee Hall
Ames, IA 50011



CUP
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Participating Breed Associations:

Amer. Angus Assoc.	Amer. Chianina Assoc.
Amer. Hereford Assoc.	Amer. Gelbvieh Assoc.
Amer. Int'l. Charolais Assoc.	Amer. Maine-Anjou Assoc.
Amer. Salers Assoc.	Amer. Shorthorn Assoc.
Amer. Simmental Assoc.	Braunvieh Assoc. of America
Canadian Angus Assoc.	Int'l. Brangus Breeders Assoc.
North Amer. Limousin Found.	Red Angus Assoc. of Amer.

The Centralized Ultrasound Processing (CUP) research laboratory participates with beef breed associations to develop EPDs for body composition traits in seedstock animals. Iowa State University will be hosting a training and qualification program this fall for technicians who are planning to scan cattle for CUP during the remainder of 2000 and the 2001 scanning seasons.

Goals:

- 1) To provide an educational program for the discussion and standardization of live animal scanning procedures for the collection of high quality ultrasound images for the use of genetic improvement. This will involve a detailed anatomy study of areas of interest involved in collecting images for rump fat (RF), 12-13th rib fat thickness (FT), ribeye area (REA) and percent intramuscular fat (PIMF).

IOWA STATE UNIVERSITY

University Extension

IBC-11 July, 2000



- 2) To provide an orientation to those technicians desiring to participate in CUP. This will include: Background to CUP, Scanning Protocol, Hardware requirements, Centralized Processing and Image Quality.
- 3) To provide a program to access and qualify a technician's ability to participate in collection of ultrasound images for CUP.

Who Should Attend:

All technicians planning to scan cattle to be submitted to CUP for 2001 must attend this workshop and practicum. You should be interested in improving your scanning technique and understanding of various factors affecting image quality.

Registration Fee:

CUP Technicians - \$200.00 (must have submitted images January 1 - July 1, 2000)
Others - \$400.00

Technicians will be responsible for travel arrangements and lodging. CUP will provide a noon meal. Registration is due by September 1, 2000.

Accommodations:

A block of rooms has been reserved at the Ramada Inn, located at 1206 S. Duff Avenue in Ames for participants. Your reservation must be made by September 1, 2000 to be guaranteed. Attendees are responsible for making their own reservations. The phone number for reservations is (515) 232-3410 or (800) 922-7384 please mention ISU Ultrasound when making your reservation.

Location and Time:

Iowa State University, Kildee Hall
September 18-21, 2000

What to Bring:

Technicians will **only** need to bring their own ultrasound console, transducer, and Black Box.

Prerequisites for Program:

- Own Aloka 500 with a 5049 transducer or a Classic Scanner 200 with an ASP-18 transducer.
- Previous training and scanning experience for composition traits.
- New technicians will need to submit REA and intramuscular fat images from 20 hd of cattle by September 1 (Contact CUP lab, Craig Hays).

Qualification Procedures:

A significant number of cattle will be used for the scanning practicum. Each technician will scan and collect images for RF, FT, REA and PIMF and submit to CUP for interpretation. PIMF images will be used for a system calibration of each ultrasound console. Images will also be evaluated as to image quality by CUP. (A written exam will be given with a passing grade required). Those technicians meeting criteria will be eligible to participate in CUP during the following year.

Contact:

Donna Watson: 515-294-0847 Email: dpeters@iastate.edu
Web address: www.extension.iastate.edu/Pages/ansci/ultrasound

Tentative Schedule:

Sunday – September 17, 2000

7:00 p.m. Orientation - Ramada Inn (Oak Rooms C and D)

Monday – September 18, 2000

8:00 – 12:00 Program Overview
Kildee Hall

Topics: Background and Objectives of Centralized Processing
Scanning Protocol
Barnsheets
Image Capturing System
Centralized Processing
Breeder Guidelines

12:00 – 1:00 Lunch

1:00 – 4:00 Scanning Protocol (Demonstration and Hands on Scanning)

4:00 – 4:30 Break

4:30 – 6:30 Informal Discussion and Review of Memorandum of Agreement Supper (Dutch Treat)

Tuesday – September 19, 2000

8:00 – 8:30 Briefing on the Day's Events

8:30 – 12:00 Hands on Scanning (Group 1)

9:00 – 12:00 Review of Image Quality (Group 2)

12:00 – 1:00 Lunch

1:00 – 4:00 Hands on Scanning (Group 2)

1:00 – 4:00 Review of Image Quality (Group 1)

4:00 – 4:30 Break

4:30 – 6:30 Classroom Session

Wednesday – September 20, 2000

8:00 Mini Symposium
Research Update
Breed Representatives
Purebred Producer

12:00 – 1:00 Lunch

1:00 System Calibration (Group 1)
Scanning Practicum of 20 head

1:00 Lab Practicum & Written Exam (Group 2)
Image Quality Session

Thursday - September 21, 2000

7:00 System Calibration (Group 2)
Scanning Practicum of 20 head

8:30 Lab Practicum & Written Exam (Group 1)
Image Quality Session

12:00 – 1:00 Lunch

1:00 Review of Written Exam

2:00 Open Session Scanning & Image Quality