

2016 NBQA
Market Cow and Bull
Live Animal Data



Plant Name: _____

Location: _____

Date: _____ Shift: _____

Recording Institution: _____

Recorder: _____

2016 National Beef Quality Audit – Market Cow and Bull

Live Animal Data Sheet – *Protocol*

Please use blue pen to complete the data sheet.

Sample size: 1/3 of all animals processed in one full production day i.e. every third animal moved to the stun box.

- Record the lot number at the top of the page. A new lot should be started on a new page.
- Body condition scores vary between animal type (beef vs. dairy); please only circle that which is applicable.
- Refer to the standard visual aids for muscle scores, body condition scores, and cancer eye scores.
- It is important that a sampled animal that does not show any of the listed defects is recorded as *No Defect*.

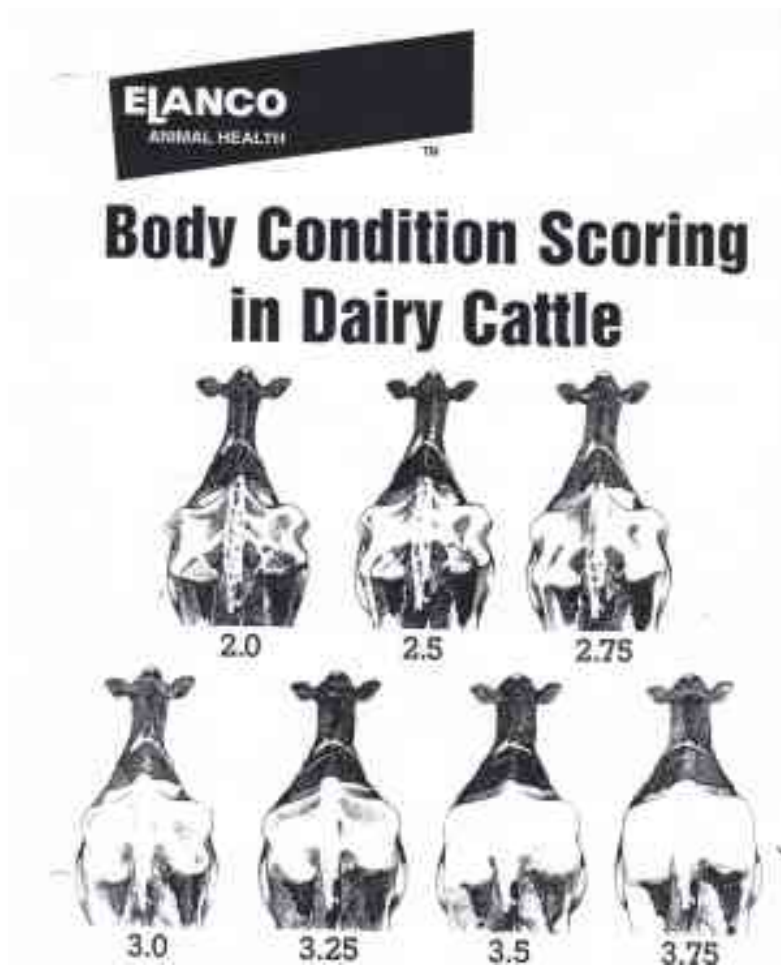
DEFINITIONS

| | |
|-----------------------------------|--|
| Rectal Prolapse | Protrusion of the rectum through the anus. ^a |
| Vaginal Prolapse | Protrusion of the vagina to the exterior of the body cavity. ^a |
| Retained Placenta | A discolored, malodorous membrane hanging from the vulva. |
| Latent Hide Damage | Any visible blemish that could devalue the hide. |
| Abscess | A collection of pus in confined tissue spaces. ^a |
| Lumpy Jaw | A localized abscess that most frequently involves the mandible, the maxillae, or other bony tissues in the head. ^a |
| Foot Abnormality | Any deformity of the lower limb or hoof. |
| Bottle Teats | The development of raised smooth or rough rings at the teat ends. ^a |
| Full Bag | Udder filled with milk. |
| Failed Suspensory Ligament | Insufficient attachment of the udder to the body cavity so as the ventral portion of the udder lies below the hock and the teats splay outward. ^b |
| Mastitis | Inflammation of the mammary gland. ^a |

Source: ^a Merck Veterinary Manual

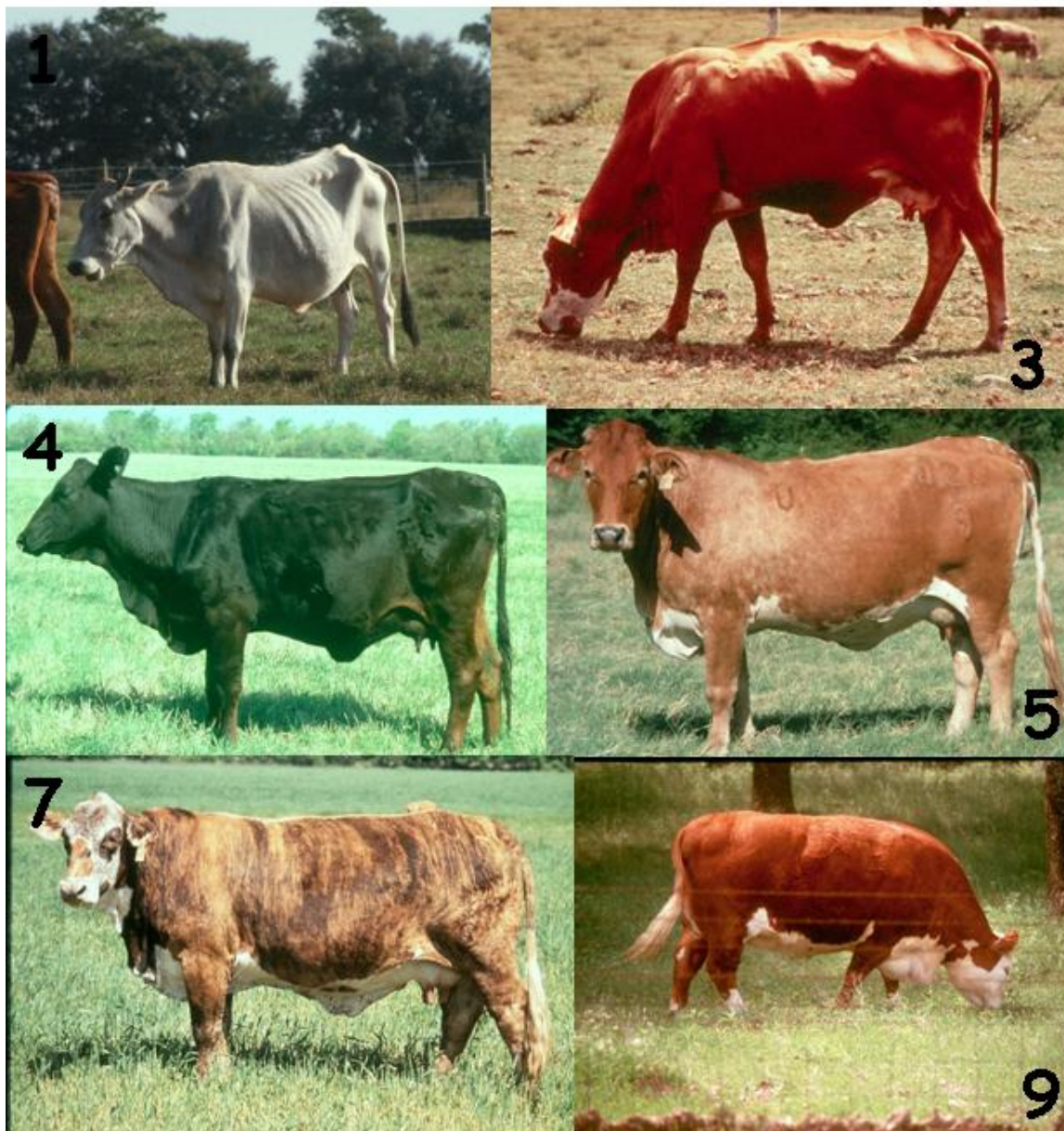
^b Dr. Rick Rasby, *A Guide to Udder and Teat Scoring Beef Cows*, University of Nebraska – Lincoln

DIAGRAMS & SCALES



Source: Elanco Animal Health

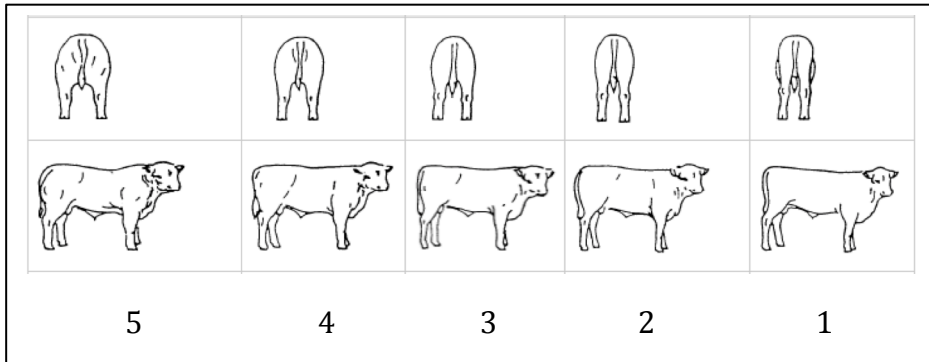
Beef Condition Score



Source: National Market Cow and Bull Beef Quality Audit – 2007: A Survey of Producer Related Defects, John David Nicholson

2016 National Beef Quality Audit – Market Cow and Bull

Muscle score



Source: Hamilton, L.C. (1994). *Assessing Muscle Shape*. Victoria State Government, Australia.

Cancer Eye Scoring

*A distinction will need to be made between a blind cow (“blue eye”) and a cow with cancer eye. “Blue eyed” cattle will be recorded as an “Other” defect.

Source: National Market Cow and Bull Beef Quality Audit – 2007: A Survey of Producer Related Defects, John David Nicholson

Cancer Eye Scoring Standards



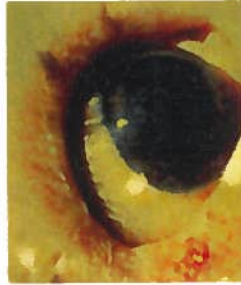
Grade 1

Small benign tumor producing
finger like growth
Precancerous



Grade 3

Growth on the third eyelid
or a tumor that is vascular in
nature
Cancerous



Grade 2

Small white elevated plaque on
the eyeball
Precancerous



Grade 4

Tumors that have metastasized
to the bony structure around
the eye or exhibit lymphatic
involvement of the parotid
gland

Cancerous



Grade 2

Small white elevated plaque
on the eyeball
Precancerous



Grade 4

Tumors that have metastasized
to the bony structure around
the eye or exhibit lymphatic
involvement of the parotid
gland
Cancerous



Grade 2

Papilloma on the eyeball
Precancerous



Grade 5

Cattle in which the eyeball
has prolapsed from the orbit
and/or exhibits a necrotic
condition
Cancerous

2016 National Beef Quality Audit – Market Cow and Bull

Live Data Sheet

Date 12/14/15 Shift A Recorder McKensie Harris

Lot #: 12

Sample size: 1/3 of all animals in one production day i.e. every third animal moving to the stun box.

| Beef Cow | | Dairy Cow | | Beef Bull | | Dairy Bull | |
|-----------------------|-------------------------|-------------------|----------------------------|------------------|-----------|------------|-----|
| Muscle Score | 1 | 2 | 3 | 4 | 5 | | |
| Dairy Condition Score | 1.0 | 1.5 | 2.0 | 2.5 | 3.0 | 3.5 | 4.0 |
| Beef Condition Score | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| Cancer Eye Score | 0 | 1 | 2 | 3 | 4 | 5 | |
| Prolapse | Rectal | Vaginal | Hide Damage | Insect | Latent | | |
| Abscess | Facial | Knee/hock | Hooks/Pins | | | | |
| Bottle Teats | Broken Penis | Calf in Pen | Failed Suspensory ligament | Foot Abnormality | Full Bag | Lumpy Jaw | |
| Mastitis | Multiple Udder Problems | Retained Placenta | Swollen Joints | Warts | No Defect | Other: | |

| Beef Cow | | Dairy Cow | | Beef Bull | | Dairy Bull | |
|-----------------------|-------------------------|-------------------|----------------------------|------------------|-----------|------------|-----|
| Muscle Score | 1 | 2 | 3 | 4 | 5 | | |
| Dairy Condition Score | 1.0 | 1.5 | 2.0 | 2.5 | 3.0 | 3.5 | 4.0 |
| Beef Condition Score | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| Cancer Eye Score | 0 | 1 | 2 | 3 | 4 | 5 | |
| Prolapse | Rectal | Vaginal | Hide Damage | Insect | Latent | | |
| Abscess | Facial | Knee/hock | Hooks/Pins | | | | |
| Bottle Teats | Broken Penis | Calf in Pen | Failed Suspensory ligament | Foot Abnormality | Full Bag | Lumpy Jaw | |
| Mastitis | Multiple Udder Problems | Retained Placenta | Swollen Joints | Warts | No Defect | Other: | |

| Beef Cow | | Dairy Cow | | Beef Bull | | Dairy Bull | |
|-----------------------|-------------------------|-------------------|----------------------------|------------------|-----------|------------|-----|
| Muscle Score | 1 | 2 | 3 | 4 | 5 | | |
| Dairy Condition Score | 1.0 | 1.5 | 2.0 | 2.5 | 3.0 | 3.5 | 4.0 |
| Beef Condition Score | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| Cancer Eye Score | 0 | 1 | 2 | 3 | 4 | 5 | |
| Prolapse | Rectal | Vaginal | Hide Damage | Insect | Latent | | |
| Abscess | Facial | Knee/hock | Hooks/Pins | | | | |
| Bottle Teats | Broken Penis | Calf in Pen | Failed Suspensory ligament | Foot Abnormality | Full Bag | Lumpy Jaw | |
| Mastitis | Multiple Udder Problems | Retained Placenta | Swollen Joints | Warts | No Defect | Other: | |

Entered by: _____ Date: _____ Checked by: _____ Date: _____ Revised 11/12/15

Data Recording Methods

This image shows a full page of white paper with horizontal ruling lines. The lines are evenly spaced and extend across the width of the page. There are no margins, text, or other markings on the paper.

2016 National Beef Quality Audit – Market Cow and Bull

Live Data Sheet

Date _____ **Shift** _____ **Recorder** _____

Lot #: _____

Sample size: 1/3 of all animals in one production day i.e. every third animal moving to the stun box.

| Beef Cow | | Dairy Cow | | | Beef Bull | | | Dairy Bull | | |
|-----------------------|-------------------------|-------------------|---------|----------------------------|------------------|-----|-----------|------------|-----------|--|
| Muscle Score | 1 | | 2 | | 3 | | 4 | | 5 | |
| Dairy Condition Score | 1.0 | 1.5 | 2.0 | 2.5 | 3.0 | 3.5 | 4.0 | 4.5 | 5.0 | |
| Beef Condition Score | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | |
| Cancer Eye Score | 0 | | 1 | 2 | | 3 | 4 | | 5 | |
| Prolapse | Rectal | | Vaginal | | Hide Damage | | Insect | | Latent | |
| Abscess | | Facial | | | Knee/hock | | | Hooks/Pins | | |
| Bottle Teats | Broken Penis | Calf in Pen | | Failed Suspensory ligament | Foot Abnormality | | Full Bag | | Lumpy Jaw | |
| Mastitis | Multiple Udder Problems | Retained Placenta | | Swollen Joints | Warts | | No Defect | | Other: | |

| Beef Cow | | Dairy Cow | | | Beef Bull | | | Dairy Bull | | |
|-----------------------|-------------------------|-------------------|---------|----------------------------|------------------|-----|-----------|------------|-----------|--|
| Muscle Score | 1 | | 2 | | 3 | | 4 | | 5 | |
| Dairy Condition Score | 1.0 | 1.5 | 2.0 | 2.5 | 3.0 | 3.5 | 4.0 | 4.5 | 5.0 | |
| Beef Condition Score | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | |
| Cancer Eye Score | 0 | | 1 | 2 | | 3 | 4 | | 5 | |
| Prolapse | Rectal | | Vaginal | | Hide Damage | | Insect | | Latent | |
| Abscess | | Facial | | | Knee/hock | | | Hooks/Pins | | |
| Bottle Teats | Broken Penis | Calf in Pen | | Failed Suspensory ligament | Foot Abnormality | | Full Bag | | Lumpy Jaw | |
| Mastitis | Multiple Udder Problems | Retained Placenta | | Swollen Joints | Warts | | No Defect | | Other: | |

| Beef Cow | | Dairy Cow | | | Beef Bull | | | Dairy Bull | | |
|-----------------------|-------------------------|-------------------|---------|----------------------------|------------------|-----|-----------|------------|-----------|--|
| Muscle Score | 1 | | 2 | | 3 | | 4 | | 5 | |
| Dairy Condition Score | 1.0 | 1.5 | 2.0 | 2.5 | 3.0 | 3.5 | 4.0 | 4.5 | 5.0 | |
| Beef Condition Score | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | |
| Cancer Eye Score | 0 | | 1 | 2 | | 3 | 4 | | 5 | |
| Prolapse | Rectal | | Vaginal | | Hide Damage | | Insect | | Latent | |
| Abscess | | Facial | | | Knee/hock | | | Hooks/Pins | | |
| Bottle Teats | Broken Penis | Calf in Pen | | Failed Suspensory ligament | Foot Abnormality | | Full Bag | | Lumpy Jaw | |
| Mastitis | Multiple Udder Problems | Retained Placenta | | Swollen Joints | Warts | | No Defect | | Other: | |