2016 NBQA Market Cow and Bull

Head, Tongue, Dentition Data



Plant Name:	
Location:	
Date:	Shift:
Recording Institution: _	
Recorder:	

2016 National Beef Quality Audit – Market Cow and Bull

Head/Tongue/Dentition Data Sheet – *Protocol*

Sample size: One-third of each lot in one production day. A minimum of 2 head/lot should be captured.

- Data recorders should position themselves at a station near the USDA inspector on the head rail.
- Record the "Lot #" and "# head in lot", if known, in the specified space. If the lot exceeds 300 head, continue tallies to the next table.
- If lot delineation is not possible, record condemnations on consecutive tables until one-third observation has been reached. This will mean recorders will observe every third head on the line throughout the day.
- See visual standards below for hair sore and cactus tongue examples.
- If the tongue is left on the rail or not marked with blue ink after inspection, there should be no tally under any of the condemned columns. A tally would then only be marked under a trimmed column if applicable.
- Any eruption through the gum, no matter the extent, is considered a full permanent incisor.

DEFINITIONS

Trimmed Head or tongue that has had surface or interior tissue removed with a

knife.

Condemned Any carcass or part found upon final inspection to be unsound,

unhealthful, unwholesome, or otherwise adulterated.^a

Lymph Diseased lymph glands.^b

Abscess A collection of pus in confined tissue spaces, usually caused by

bacterial infection.^c

Cont. Contamination of the head or tongue with fecal matter, urine, hair,

dirt, ingesta, milk, or other foreign matter.^a

Hair Sore An elevated lesion, usually ½ to 1½ inches in diameter, located just

in front of the dorsal eminence of the tongue. Lesions may be red or white in color depending on the chronicity of the lesion and will

house foreign feed and hair particles.^d See picture below.

Cactus Tongue Sporadically placed, small lesions on the tongue resulting from the

ingestion of cactus thorns.

Permanent Teeth located in the bottom gum of the rostral region of the mouth.^e

Incisor See diagram.

Gummer An animal with eight adult incisors that are worn down to the gum.^b

Broken Mouth Any defect that prohibits normal mastication.^b

Source: ^aCode of Federal Regulations, Title 9, Volume 2, Chapter III, Part 310

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

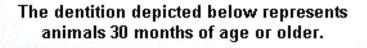
^cMerck Veterinary Manual

^dGill, D. R., R. J. Panciera, and R. A. Smith. 1996. Tongue lesions: Incidence and effects on performance of feedlot cattle.

^eFSIS, Using Dentition to Age Cattle,

http://www.fsis.usda.gov/OFO/TSC/bse_information.htm

DIAGRAMS

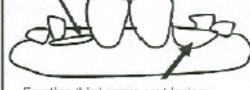


First set permanent incisors

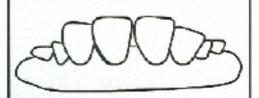


Erupting third permanent incisor, top of tooth above gum, animal 30 months of age.



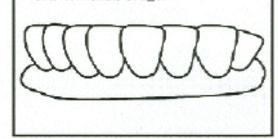


Erupting third permanent incisor (with top corners of the tooth above the gum), animal 30 months of age or older.

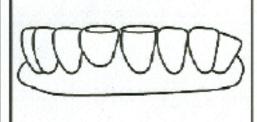


Four permanent incisors (with top corners of the second set above the gum), animal 30 months of age or older.

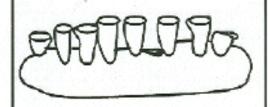
Full set of permanent incisors, animal over 48 months of age.



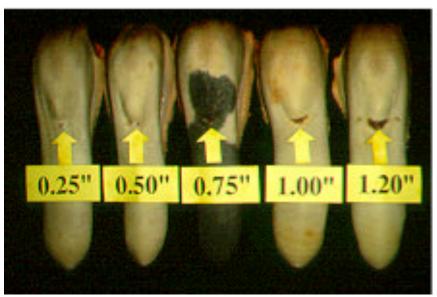
Age 72 months, medial incisors showing wear and levelled tops.



Age 120 months or older, permanent incisors showing wear and space between the teeth.



Hair sore



Different sized tongue lesions. Photo courtesy of Mike Driscoll, EXCEL Corp., Dodge City, KS

Source: ^dGill, D. R., R. J. Panciera, and R. A. Smith. 1996. Tongue lesions: Incidence and effects on performance of feedlot cattle.

2016 National Beef Quality Audit – Market Cow and Bull Head/Tongue/Dentition Data Sheet

		-			
Date 12/14	15	Shift A	_Recorder_	McKensie	Harris

Sample size: One-third of each lot in one production day. A minimum of 2 head/lot should be captured. i.e. every third head on the line.

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Lot Information		He	ad							Ton	gue				
LOT #: 27 # in lot 16	Lymph	Cont.	ont. Other		Lymph		Hair Sore		Cactus Tongue		Cont.		Otl	ner	
# to sample:	TC	T C	T C	T of pe			C	T	С	Т	С	Т	С	T	С
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Entered by:	Date:	Checked by:	Date:	Revised 11/15/15 MKH

2016 National Beef Quality Audit – Market Cow and Bull **Data Recording Methods**

help us when interpreting and entering data.

2016 National Beef Quality Audit – Market Cow and Bull

Head/Tongue/Dentition Data Sheet											
DateS	Shiftl	Recorder									

Sample size: One-third of each lot in one production day. A minimum of 2 head/lot should be captured. i.e. every third head on the line.

Lot Information	Head						Tongue											
LOT #:		Lymph Abscess		Сс	Cont.		Other		Lymph		Hair Sore		ctus igue	Co	nt.	Otl	her	
# in lot		C	T			C on (#	_			nciso	Т	С	Т	С	T	С	Т	С
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Lot Information	Head						Tongue											
LOT #:	Lyn	nph	Abs	cess	Co	nt.	Ot	her	Lyr	nph	Н	air		etus	Co	nt.	Otl	ner
# in lot											Sore		Tongue					
# to sample:	Т	C	T	С	T	С	T	C	Т	С	T	С	T	С	T	С	Т	С
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	5:_																	

Entered by	y: Date:	Checked by:	: Date:	Revised 11/15/15 MKH