Recording of Hoof Trimming Data in USA



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Outline

- Current Status
- Current Systems
- Future?



- No central collection of health data for genetic evaluations
 - Privacy concerns
 - Genetic evaluations were done by government entity.
 - Some data recorded in on farm systems
 - Stored for back up purposes

- No official claw disorder key.
 - Main ones
 - Zinpro/International Lameness committee
 - ABC system
 - Inconsistent on key lesions
 - W vs A and Z vs T
 - Zones vs lesions

DAIRY CLAW LESION



Identification

Non-Infectious



WHITE LINE LESION (W)





Common styles:

I limels must, blood stain analyse suptane
to white lime or sole of the lare.

Caused by existing of podal bears
action the class previous slaws on the
sole or talk sole.



CORKSCREW CLAW ICT



HORIZONTAL ESSURE OR HARDSHIP GROOVE (G)

DIGITAL DERMATITIS (D)

Common signs:

* Chee wolf parallel to the bus line tracks and overslaule broads off.

* Council by next flowed on metabolic states.

VERTICAL FISSURE IVI

Common signs:

• Worked split in frust or side of claw

• Gooder principly on surticle

HEEL EROSION (E)

*Source Complete of first in Integration put file depreciation on "V" Magnet operation committee on the state of contract of the class due to filed or classified house resulting in universe whigh breaking committee on the filed because one or required.



SOLE HEMORPHAGE (H)

 Slight to significant red (or blue) coloration of the sale. Not to be confused at the salural black piges transion of class been

Zones Affected: 4, 5, 6

Step groot on interior rather of stay wall pooled to their stay serior.



INTERDIGITAL HYPERPLASIA (K)

Commence (page)

Regard proof to of this analysis to between the digits, former a firm mans.

Secondary is direction filledy with some (large) below.

FOOT ROT, FOUL OR

Animals will filely have a fiver



THIN SOLE (Z)

LESION ABBREVIATIONS

0 – Digital Deventità E - Heel Enssion F - Foot Rot, Fool

G - Norisantal Fisture or Heritahip Groone H - Sule Hersunhage

i = Actendigital Demonstris K = Actendigital Hyperplasio

i = ineliteer ii = Soleliteer

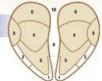
V - Writin/finare W - White Line Lovan

X = Asial Fissare

2 = Thin Sole

Claw Zones

nfectious





INTERDIGITAL DERMATTRS (I)

Bulk hors cloth leading to co of the contain and alcoration





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This poster was co-developed by Zinpro Performance Minerals and The International Lameness Committee.

BOVINE HOOF LESION IDENTIFICATION AND SEVERITY SCORE SHEET

Severity Score	A = Abscess	B = Bruise	C = Corn	D = Dermatitis / Heel wart	E = Erosion / Slurry Heel	F = Fissure	G = Digital Sepsis
	White Line Abscess	White Line Hemorrhage	Interdigital Hyperplasia	Digital Dermatitis	Heel Horn Erosion	White Line Fissure	Deep Digital Sepsis
1 = Mild			Y			1	
	Small amount of pus, not extending to coronary band	Localized redness in white line of cuter claw	Grape size growth between claws	Small dime size moist area in interdigital cleft	Small pock marks of erosion or small fissure	Small fissure in white line close to heel	Obvious signs of sepsis from a complicated sole ulcer (severe)
2 = Moderate				A	X		
	Large amount of pus, but does not emerge at coronary band	Diffuse redness in white line of one or both claws	Growth larger than a grape, but confined between claws	Strawberry granuloma larger than a dime	Single large fissure across entire heel	Wide fissure, but does not extend to osronary band	Asymmetrical swelling around coronary band (severe)
3 = Severe							
	Pus emerging at coronary band	Diffuse hemorrhage with separation	Large tumor-like com	Verrucose tentacles growing out of	Multiple fissures extending across heel	Large fissure extending to coronary band without	Separation around coronary band (severe



Developed by Karl Burgi and Nigel B. Cook for use with the abc hoof lesion scoring system



BOVINE HOOF LESION IDENTIFICATION AND SEVERITY SCORE SHEET

Severity Score	H = Hemorrhage	P = Phlegmon / Foot Rot	S = Sole Fracture / Heel Ulcer	T = Toe Ulcer	U = Ulcer	V = Vertical Wall Crack	Y = Horizontal Fissure Thimble
	Sole Hemorrhage	Interdigital Necrobacillosis	Sole Fracture	Toe Ulcer	Sole Ulcer	Vertical Fissure	Horizontal Fissure
1 = Mild							
	Superficial hemorrhage in typical site	Slight separation of interdigital skin with little swelling	Small fissure at junction of heel and sole not extending into heel	Small fissure at white line in toe area	Deep hemorrhage with exposure of corium less than dime area	Wall crack without associated pain	Small fissure on one claw
2 = Moderate		11					
	Deep hemorrhage in typical site	Split in interdigital skin with swelling confined between claws	Large fissure with underrun sole confined to heel area	Disintegration of sole hom in toe area extending to corium	Exposed corium more than a dime	Painful crack starting at coronary band	Small fissure on both inner and outer claw
3 = Severe			1				
	Diffuse extensive hemorrhage across sole	Deeply erosive lesion with swelling around the coronary band	Separation of a large area of sole	Widespread necrosis of corium in the toe extending to bone	Prolapse of corium through full thickness defect	Painful crack extending from coronary band to toe to depth of corium	Large fissure on both inner and outer claw within 1.25 inches of sole surface



Developed by Karl Burgi and Nigel B. Cook for use with the abc hoof lesion scoring system





- Who trims feet?
 - Self employed Hoof trimmers
 - no certification or standards
 - On Farm staff
 - Larger herds



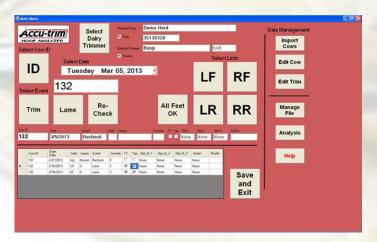




Current Systems

- Hoof Supervisor or AccuTrim analyzer
 - Difficult transfer to central database
 - 1 way data flow.



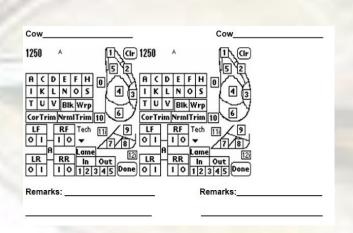


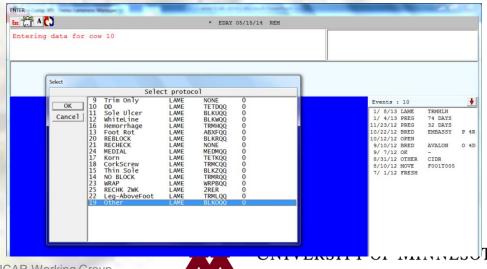




Current Systems

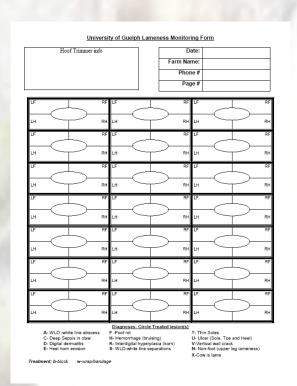
- DairyComp or PCDART
 - Have ability for 2 way data transfer
 - Transfer data to central processing
 - Used to manage majority of cows





Current Systems

- Paper
 - Likely most common
 - Various level of detail
 - Leg
 - Accounting



Future

- Council on Dairy Cattle Breeding
 - Taking over genetic evaluations
 - Non profit Private entity
 - Less privacy concerns?
 - Producer push for more health traits

Future

- System that meet needs of:
 - Cow level
 - HT/Farm
 - Herd Level
 - HT/Farm/Advisors
 - Industry
 - Genetic industry/Research

Questions?



Thanks for providing information









