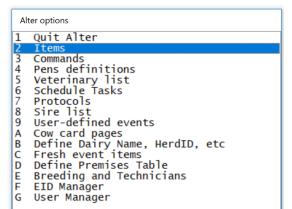
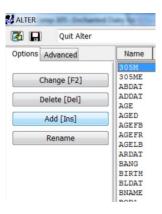
UNIVERSITY OF MINNESOTA Driven to Discover^{ss}

Setting up Lameness Manager in DairyCOMP305

By: Dr. Gerard Cramer

- 1. Determine what foot lesions you want recorded.
 - a. Suggested:
 - i. Trim Only
 - ii. Sole Ulcer
 - iii. White Line
 - iv. Digital Dermatitis
 - v. Foot Rot
 - vi. Thin Soles
 - vii. Leg-Above foot
 - viii. Other
 - ix. ReBlock (I Prefer just re-enter original lesion as it makes analysis easier)
- 2. Create a recheck date ITEM (if it doesn't exist)
 - a. Alter\2
 - b. Select ADD
 - c. Item name: RKDAT
 - d. Item Type:18
 - e. Description: Lame recheck date
 - f. Y to Save
 - g. Y to Initialize
- 3. Create a times lame item
 - a. Select ADD
 - b. Item name: XLAME
 - c. Item Type: 74
 - d. Description: times lame this lactation
 - e. Y to Save
 - f. Y to Initialize







- 4. Create a lifetime times lame item
 - a. Select ADD
 - b. Item name: LXLAM
 - c. Item type: 1
 - d. Description: Lifetime times lame
 - e. Y to Save
 - f. Y to Initialize
 - g. ESC 1x

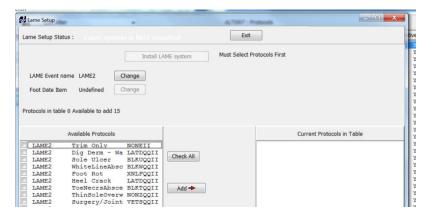
Item Defini	tion #321	
Name	: LXLAM	
Item Type	: 1 0 - 255	
Location	: 365	
Length	: 1	
Description	:	
Description	Lifetime times lame	

- 5. Set up LXLAM event to add XLAME to LXLAM every time a cow freshens
 - a. Pick C Fresh Event Items
 - b. Select 9 Items to be added together
 - c. Click Add
 - d. Select XLAME
 - e. Select LXLAM
 - f. Click OK
 - g. ESC 2x

Commands Pens definitions Veterinary list Schedule Tasks Protocols Sire list User-defined events Cow card pages Define Dairy Name, HerdID, etc Presh event items Define Premises Table Breeding and Technicians EID Manager User Manager	1 QUIT Alter 2 BACK to Alter Menu 3 Display/Print Fresh Table 4 Items to be zeroed 5 Items to be moved to previou 6 Items to be moved dam to ca 7 Items prompted for the cow 8 Items prompted for each calt 9 Items to be added together
--	--

👬 Fresh Table					-		×
	Double clic	k an item	to select	it			
	Add THIS	S item To	THIS item				
XLAME> LXLAM							
					-		
						Add	
					_	Delet	
						Derec	,e
					(OK	

- 6. Alter\7
- 7. Click on Advanced
- ALTER **(16)** Quit Alter ### Options Advanced 2 No Prompting 3 POL 4 LA-Set Up Items 5 TOL 6 NAX Prompting Order 7 USE 8 TET Lameness Manager 9 EXE 10 Exc 11 BAN 12 FOC 13 TOM 14 Nuf
- 8. Select Lameness Manager
- Select as many protocols as necessary as determined in step 1.
 - a. Don't worry about remarks those can be changed later.
- 10. Click Add
- 11. Check to see LAME event is one that you want to use
- 12. Click Install Lame System
- 13. Click Exit Lame System
- 14. Customize Remarks
 - a. Select Protocol
 - b. Press Enter

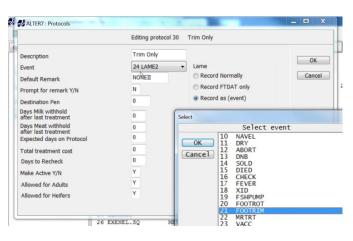


🔀 🔲 Quit Alter		-			ALTER7 : P	rotocols
Options Advanced	***	Protocol	Event	REMark	Prompt	Pen
	3	POLYFLEX	Other	POLY4.20	Y	3
	- 4	LA-200	Other	LA-200IV	Y	3
Prompting	5	TODAY IMM	MAST	TOD4QQ	Y	3
C	6	NAXCEL.IM	Other	NAX3.25	Y	0
Set Up Items	7	USER DEFINED	Other		Y	0
		TETRADURE300	PINKEYE	TETRA	Y	0
Prompting Order	9	EXENEL.SQ	METR	EXN5.25	Y	1
		Excede	RP	EXCED.XX	Y	1
Lameness Manage		BANAMINE.IV	Other	FLU1.15	Y	0
	12	FOOTROT	FOOTROT	EXCED.XX	Y	0
	13	TOMRW DRY.IMM	DRY	TOMRW	Y	0
	14	Nuflor - IM	PNEU	NUF.XX	Y	0
	15	Nuflor	NAVEL	NUF.XX	Y	0
	16	PENICILLIN	Other	PEN60	Y	3
	17	FOOTROT	FOOTROT	LA-200	Y	3
	18	HSSBLUPUMP	MAST	HSSNXLQQ	Y	3
	19	FOOTROT	FOOTROT	EXC5.25	Y	0
	20	SPECTRAMAST	MAST	SPEC8QQ	Y	3
	21	POLY	PINKEYE	POLY3.25	Y	3
	22	Draxxin	PNEU	DRAXX . XX	Y	0
	23	IV. DEXTROSE	KETOSIS	DEXT.2X	Y	1
	24	Oral E-lytes	SCOURS	TYPE 1	28	0
	25	Excenel	SCOURS	EXC.XX	Y	0
	26	EXENEL.SQ	METR	EXN5.25	Y	1
	27	IV Fluids	SCOURS	TYPE 2	Y	0
	28	excede-met-2	METR	2EXMET.L	Y	0
	29	Excenel	RP	EXC.25	Y	1
Find [F9]	30	Trim Only	LAME 2	NONEII	N	0
1 110 (1.53	31	EXCEDE Met-1	METR	1EXMET.R	Y	0
Print	32	Dig Derm - Wa	LAME 2	LATDQQII	Y	0
		Sole Ulcer	LAME2	BLKUQQII	Y	0
ALTER	34	WhiteLineAbsc	LAME 2	BLKWQQII	Y	0
	35	Foot Rot	LAME2	XNLFQQII	Y	0
Exit	36	ThinSoleOverw	LAME2	NONZQQII		0
	37	Leg-AboveFoot	T.AMF.2	XXXLOOTT	Y	0

- 15. Change Protocols as desired
 - a. 1st 3 characters are treatment
 - b. 4th character is disease code
 - c. QQ allow autofill of leg
 - d. II allows entering of Trimmer
 - i. Can be used for other things
 - 1. Severity
 - 2. Location
 - ii. Remove II if not needed to make data entry faster

			Editing protocol 36	ThinSoleOverw
Description	ThinSoleOver	w		
Event	24 LAME2	•	Lame	
Default Remark	NONZQQII		Record Normally	
Prompt for remark Y/N	Y		C Record FTDAT only	
Destination Pen	0		Record as (event)	
Days Milk withhold after last treatment	0			
Days Meat withhold after last treatment	0			
expected days on Protocol	0			
otal treatment cost	0			
Days to Recheck	0			
Make Active Y/N	Y			
Allowed for Adults	Y			D
Allowed for Heifers	Y			

- e. If want cows to show up on trim list if they have been blocked set Days to Recheck to a value (27).
- f. Click OK to return to protocol selection screen
- 16. To facilitate data entry and monitoring change Trim Only Protocol to record as FOOTRIM



- 17. Once protocols are completed click on Set Up Items
- 18. Select Recheck Date (this creates a mechanism to automatically put rechecks on the trim list.

Item to change 1 Exit 2 Milk withholding Item MLKDT 3 Meat withholding Item MEATD 4 Treat date/days Item [Undefined] 5 Total treat cost Item [Undefined] 6 Previous Pen Item [Undefined] 7 Hospital Date Item HPDAT 8 Recheck Date Item [Undefined] 9 Total sick days Item [Undefined] 9 Pneumonia Event MAST 8 Pneumonia Event PNEU C Lame Event LAME2 0 Metritis Event METR E Retained Event RP F Ketosis Event KETOSIS G Milk Fever Event MLKFEVE H Displaced Event DA	*****		~	
2 Wilk withholding Item MLKDT 3 Meat withholding Item MEATD 4 Treat date/days Item [Undefined] 5 Total treat cost Item [Undefined] 6 Previous Pen Item [Undefined] 7 Hospital Date Item HPDAT 8 Recheck Date Item [Undefined] 9 Total sick days Item [Undefined] 14 Mastitis Event MAST 8 Pneumonia Event PNEU 12 Lame Event LAME2 14 Metritis Event METR 15 Event KETOSIS 6 Milk Fever Event MLKFEVE	Item	to change	255	255
9 Total sick days Item [Undefined] A Mastitis Event MAST B Pneumonia Event PNEU C Lame Event LAME2 D Metritis Event METR E Retained Event RP F Ketosis Event KETOSIS G Milk Fever Event MLKFEVE	345	Milk withholding Ite Meat withholding Ite Treat date/days Item Total treat cost Ite Previous Pen Item	m MEATD [Undefine m [Undefine [Undefine]	ed]
A Mastitis Event MAST B Pneumonia Event PNEU C Lame Event LAME2 D Metritis Event METR E Retained Event RP F Ketosis Event KETOSIS G Milk Fever Event MLKFEVE	8			
B Pneumonia Event PNEU C Lame Event LAME2 D Metritis Event METR E Retained Event RP F Ketosis Event KETOSIS G Milk Fever Event MLKFEVE	9		[Undefine	ed]
C Lame Event LAME2 D Metritis Event METR E Retained Event RP F Ketosis Event KETOSIS G Milk Fever Event MLKFEVE	A		MAST	
D Metritis Event METR E Retained Event RP F Ketosis Event KETOSIS G Milk Fever Event MLKFEVE	B	Pneumonia Event	PNEU	
E Retained Event RP F Ketosis Event KETOSIS G Milk Fever Event MLKFEVE	C	Lame Event	LAME2	
F Ketosis Event KETOSIS G Milk Fever Event MLKFEVE	D		METR	
G Milk Fever Event MLKFEVE			RP	
			KETOSIS	
H Displaced Event DA	G	Milk Fever Event	MLKFEVE	
	Н	Displaced Event	DA	

- 19. Find and Select RKDAT
- 20. Once RKDAT selected
 - a. ESC 3x
- 21. Create command to clear cows trimmed before recheck date
 - a. ADD FIXTRM command
 - b. Alter\3
 - c. Select ADD
 - d. Abbreviation: FIXTRM
 - e. Content: RKDAT=0 FOR RKDAT>TODAY FTDAT=TODAY REM>NONE
 - i. NONE depends on what used in step 16
 - f. Click OK
- 22. Add Schedule task for above
 - i. Alter\6
 - ii. Select ADD
 - iii. Pick next date etc and set it to run daily
 - iv. Command to run: FIXTRM from above
 - v. Click OK
- 23. All Done Setup

ALTER	Dairy by 1
Options Advanced	###
	5 T
	6 N
Prompting	7 0
	8 T
Set Up Items	9 E
	10 E
Prompting Order	11 B
	12 F
Lameness Manager	13 T
1	14 N
	15 N
	16 P
	17 F
	18 H
	19 F
	20 S

		ALTER 7 . Desta sala
Select		test I among I have I am I am I am
		Select item for Recheck Date
OK Cancel	PTOTP PVET RC RCULT REG RELV REM REMDA REMRP RESP RINFE	Prev. Lact Total Protein Prev. Vet Code Reproductive Code (Numeric) Remark/Result of Last Culture Registration Number Curr. Test Relative Value Remark of Latest Event Remark of last DA Remark of last RP Responder number REMARK OF LAST INFECTION
	RKDAT RKET RMAST RMETR RPNEU RPRO RV SBRD SCC SCC1 SIR1 STP2	Lame recheck date REM LAST KETOSIS Remark of Last Mastitis Event Rem of last metritis Remark of last pneumonia Repro Code (FRESH, BRED, DRY etc) Relative Value (Internal) Breed of Sire Current Raw Somatic Cell Count SCC 1ST TEST THIS LACT First Choice Service Sire Second Choice Service Sire

Data Entry with Lameness Manager

- 1. Type LAME
 - a. Or whatever event created with Lameness manager
 - b. Even for routine trims type lame.
- 2. Type CowID
- 3. Select Protocol

elect		Select pro	otocol		
OK	30 32	Trim Only Dig Derm - Wa	LAME2 LAME2	NONEII LATDQQII	0
Cancel	33 34 35 36 37 38	sole Ulcer WhiteLineAbsc Foot Rot ThinSoleOverw Leg-AboveFoot Other	LAME2 LAME2 LAME2 LAME2 LAME2 LAME2	BLKWQQII BLKWQQII XNLFQQII NONZQQII XXXLQQII XXXQQQII	

- 4. Select Leg
 - a. This will not occur for Trim Only
 - i. It will go right to Cow ID Screen
- 5. Select Date or enter if correct

Enter QQ	
1 LH 2 LF 3 RH 4 RF	

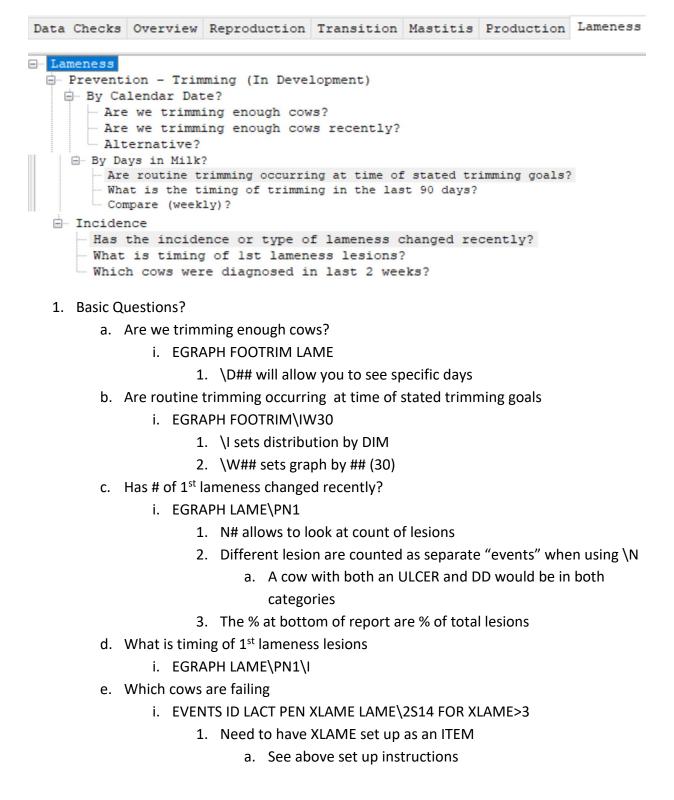
6. If II was left in protocol setup type required code and enter

Entering data	for cow 342
4/ 1/15	LAME2 Event Date

7. Restart Process.

Data Analysis with Lameness Manager

Note GUIDE has a lameness Tab with most of these questions



Data Analysis with Lameness Manager

- 2. More Advanced options include
 - a. Can add FOR LXLAM=0 to above commands
 - i. looks at cows with no history of lameness
 - 1. Need to have XLAME and LXLAM set up as an ITEM
 - a. See above set up instructions
 - b. \Z gets your right to the #'s table
 - c. \W0 makes analysis interval per month instead of week
 - d. To more easily get incidence % of total herd
 - i. GRAPH FRESH LAME\W0ZU#
 - 1. Pick the lesion of interest or add protocol # after U
 - e. :# after EGRAPH LAME:# sets gap
 - i. Gap decides when new entry is a "new" case for counts
 - f. If interested in total # of LAME cows should use a gap of at least 1 to avoid multiple lesions on same cow counted as separate "new cases"
 - g. \U allows you to look at specific lesion individual
 - i. Useful with a by LCTGP
 - What is the distribution of pick lesion by lactation group?
 a. GRAPH LAME\W0U BY LCTGP
 - ii. Useful to look at reoccurrence of lesions
 - 1. How many cows are retreated and have the same lesion?
 - a. EGRAPH LAME:1\PN1W0ZU#
 - b. EGRAPH LAME:1\PN2W0ZU#
 - i. # is protocol number of lesion or leave blank for
 - pick list
 - h. To get a list of cows for 1 lesion
 - i. Need to know protocol # in protocol table
 - 1. Which cows have been diagnosed with protocol 14 in last 90 days
 - a. EVENTS ID LAME\2S90Q14
 - i. \Q# where # is protocol number
 - 2. Can be used to dump data into EXCEL or stats program for further analysis

Sample lists (Examples only, need to customize to fit the dairy's system)

- 1. Criteria for 1st lactation trims (if different from older cows)
 - a. FTCONH (LACT=1 DCC=192-212 FTDAT<-35)
- 2. Criteria for 2+ milking cows (includes mid lactation trims and dry trims and excludes cows trimmed in last 35 days.
 - a. FTCONM (LACT>1 DIM=107-120 FTDAT<-35) (LACT>1 DCC=192-227 FTDAT<-35)
- 3. Criteria for recheck list (included criteria to add cows recorded as lame)
 - a. FTCONR (RKDAT<=TODAY RKDAT>0 FTDAT<RKDAT)(FTDAT=1/1/1)
- 4. Criteria for cows with long days since last trim that are pregnant and past mid trim period
 a. FTCONL (LACT>1 FTDAT<-180 DCC<109 DIM>120)
- 5. Adult cow criteria for milking cows.
 - a. FTCONN ADULT RC=2-5 FTCONH FTCONM FTCONR FTCONL
- 6. One list for all cows
 - a. FOOTLST SD!L ID PEN:3 LACT:2 DIM DCC DRY45:5 DRY60:5 FTDAT:5 LMREM RKDAT:5 LEG DSTRM FTCONN BY PEN DOWNBY DIM\AU!SD*
- 7. Command for manual data entry
 - a. LAME SD!ENTER EC=36 REM!SD*
- 8. Command to add cows to trim list (creates a new event, not necessary, but can be useful)
 - a. LAMEADD ENTER EC=59 REM EDAY FTDAT=1/1/1
 - b. LAMEADD ENTER FTDAT=1/1/1 if no event wanted.