

## **Section 3: Example Protocols**

Dairy Health Event Recording in DC305® Protocol

Example 1

Example 2

Dairy Health Event Recording in DHI-Plus® Protocol

Example 1

Example 2

## Example 1 Dairy Health Event Recording in DC305® Protocol

### Simple Rules of “Good Health Records” to follow when “How to record” questions arise:

- Record All Disease Episodes that Occur
- Record Disease as a Single, Specific Event
  - Don’t record as a treatment or generic event
- Record Remarks with Same Info in Same Order using Same Abbreviations
  - Record Treatments having a withdrawal and foot or quarter at a minimum

*Drug treatment protocols in this document were determined by the dairy and their veterinarian. They were not designed or recommended by the WSU College of Veterinary Medicine or its representatives.*

For the following event recording White columns in Remark Recording tables represent data automatically recorded by Dairy Comp 305® Protocols. **Gray columns require manual entry by user.**

### Udder Health Events

#### MAST Event (EC= 20)

- Record a separate MAST event for each quarter affected.
- Remark Recording: DCP

Quarter	Treatment	Severity	Pen
LF- left front	S- Spectramast	1	Pen cow came FROM 01-99
LR- left rear	H- Hetacin	2	
RF- right front	N- No treatment	3	
RR- right rear			

### Foot Health Events

#### TRIM-FT Event (EC=40)

- Routine Hoof trimming.
- No Remark recorded at this time.

#### LAME Event (EC=23)

- For cows and heifers diagnosed with a disease causing lameness.
- Record a separate LAME event for each foot of a cow identified with a disease causing lameness.
- Remark Recording: DCP

Treatment	Disease	Limb	Pen
PF- Polyflex	FR- Footrot	LF- left front	Pen cow came from 01-99
BP- Polyflex & Block	WT- Warts	LR- left rear	
BL- Block	UL- Ulcer	RF- right front	
NT- No treatment	AB- Abscesses	RR- right rear	
	TN- Thin Sole		
	ST- Stifle		
	IN- Infection		
	BR- Bruise		

## Example 1 Dairy Health Event Recording in DC305® Protocol

### Reproductive Health Events

#### RETAINP Event (EC=24)

- For cows with retained fetal membranes.
- No antibiotic; if a cow requires antibiotics then she has metritis and needs a METR event.
- Remark Recording: none

#### METR Event (EC=60)

- For cows with abnormal uterine discharge.
- Remark Recording: DCP

<b>Treatment</b>
<b>EX-</b> Excenel
<b>PF-</b> Polyflex

### Other Health Events

#### MFEVER Event (EC=22)

- For cows with milk fever.
- Remark Recording: none required

#### PNEUMON Event (EC=27)

- For cows diagnosed with pneumonia.
- Remark Recording: DCP

Treatment 1	Treatment 2 (variable # of characters)
<b>PF-</b> Polyflex	Additional treatments
<b>EX-</b> Excenel	
<b>XC-</b> Excede	
<b>NT-</b> No treatment*	

\*BEEF

#### DA Event (EC=34)

- For cows diagnosed with an LDA.
- Remark Recording: DCP

Treatment	Correction Method	Veterinarian	Additional Treatments
<b>NT-</b> No treatment	<b>RT-</b> Roll & toggle	<b>AB</b>	
<b>EX-</b> Excede	<b>SX-</b> Surgery	<b>RS</b>	
<b>PX-</b> Polyflex & Excede		<b>MA</b>	

#### INJURY Event (EC=50)

- For injured cows (not including cows down due to injury).
- QQ may be used as a placeholder for unknown or missing information.
- Remark Recording: DCP

Treatment	Pen	Cause	Location
<b>PF-</b> Polyflex	Pen cow came from 01-99	Cause of injury	Location of the injury on the cow
<b>EX-</b> Excenel			
<b>NT-</b> No treatment			

## Example 1 Dairy Health Event Recording in DC305® Protocol

### DOWN Event (EC=62)

- For down cows.
- Remark Recording:

<b>PEN</b>	<b>Cause</b>	<b>Location</b>
Pen cow came from 01-99	Cause of injury	Location of the injury on the cow

### **Calf Health Events**

#### CPENU Event (EC=42)

- For calves diagnosed with pneumonia.
- Remark Recording: DCP

<b>Treatment</b>
<b>NF</b> -Nuflor
<b>DR</b> -Draxxin
<b>NT</b> - No treatment

#### SCOURS Event (EC=26)

- For calves with scours.
- Remark Recording: DCP

Treatment
<b>SMZELKAO</b> - SMZ, electrolytes, kaopectate
<b>PFELKAO</b> - Polyflex, electrolytes, kaopectate

## Example 2 Dairy Health Event Recording in DC305® Protocol

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### Udder Health Events

#### MAST Event (EC=20)

- For cows with Clinical mastitis in one or more quarters.
- Cows requiring additional treatment after 3 days of initial therapy should be entered as REMAST event.
- Remark Recording: DCP

Treatment	Quarter
SP-Spectramast	LF-Left Front
3T-3 Teat	LR-Left Rear
NT- No Treatment*	RF-Right Front
	RR-Right Rear

\*NT—For those not receiving treatment or going to beef.

#### REMAST Event (EC=41)

- For cows requiring additional treatment for mastitis beyond the first three days of treatment.
- This protocol puts the cow on 2 more days of treatment; if additional treatment is required enter another REMAST event.
- Remark Recording: DCP

Treatment	Quarter
SP-Spectramast	LF-Left Front
3T-3 Teat	LR-Left Rear
NT- No Treatment*	RF-Right Front
	RR-Right Rear

\*NT—For those not receiving treatment or going to beef.

## Example 2 Dairy Health Event Recording in DC305® Protocol

### Reproductive Health Events

#### RETAINP Event (EC=24)

- For cows with retained fetal membranes > 24 hours after calving.
- There are no antibiotic treatment protocols associated with this event. If a cow receives antibiotics she also needs a METR event.
- Remark Recording: No remarks required.

#### METRITI Event (EC=39)

- For cows with abnormal uterine discharge +/- fever +/- foul odor.
- Remark Recording: DCP

Treatment- cow	Treatment- uterus
<b>XC</b> - Excede	<b>CH</b> - Chlorohex
<b>PF</b> - Polyflex	<b>OX</b> - Oxytet
<b>NX</b> - Naxcel	<b>NT</b> - No treatment
<b>NT</b> - No treatment	

### Foot Health Events

#### LAMETX Event (EC=43)

- For any cow requiring antibiotic treatment for a disease causing lameness.
- Remark Recording: DCP

Treatment
<b>PF</b> .-Polyflex
<b>PN4</b> .-Penicillin 4cc/lb
<b>PN2</b> .-Penicillin 2cc/lb
<b>XC</b> .-Excede

#### FOOTROT Event (EC=49)

- For cows and heifers diagnosed with foot rot.
- Record a separate FOOTROT event for each foot affected.
- Remark Recording:

Pen	Limb
01-99	<b>LF</b> -left front
Pen cow CAME from	<b>LR</b> -left rear
	<b>RF</b> -right front
	<b>RR</b> -right rear

#### ABSCESS Event (EC=42)

- For cows diagnosed with a sole/toe abscess.
- Record a separate ABSCESS event for each foot affected.
- Remark Recording:

Limb	Block
<b>LF</b> -left front	<b>BL</b> - Block
<b>LR</b> -left rear	(Leave blank if BL not applied)
<b>RF</b> -right front	
<b>RR</b> -right rear	

## Example 2 Dairy Health Event Recording in DC305® Protocol

### ULCERS Event (EC=45)

- For cows diagnosed with sole ulcers.
- Record a separate ULCERS event for each foot affected.
- Remark Recording:

Limb	Block
LF-left front	BL- Block
LR-left rear	(Leave blank if BL not applied)
RF-right front	
RR-right rear	

### WARTS Event (EC=46)

- For cows and heifers diagnosed with hairy heel wart.
- Record a separate WARTS event for each foot affected.
- Remark Recording:

Treatment	Pen	Limb	Severity
NT- No treatment	01-99	LF-left front	0- Dead
TC- Tetracycline wrap	Pen cow CAME from	LR-left rear	1 – Mild
		RF-right front	2 – Moderate
		RR-right rear	3 - Severe

### **Other Health Events**

#### MF Event (EC=22)

- For cows with milk fever.
- Remark Recording: none required

#### DA Event (EC=35)

- For cows diagnosed with an LDA or RDA.
- Remark Recording: DCP

Treatment	Delimiter	LDA or RDA	Delimiter	Correction Method
NX- Naxcel	(.)	L-LDA	(.)	SX- Surgery
NT- No treatment		R- RDA		LAP-Laparoscopic
				NT- No treatment

#### KETOSIS Event (EC=42)

- For cows with ketosis.
- Remark Recording: DCP

Treatment	BHBA Test Result
PD-Predef	Enter the numerical test result ( <b>0.9, 1.7, etc</b> )
NT-No Treatment	

#### PNEU Event (EC=42)

- For cows diagnosed with pneumonia.
- Remark Recording: DCP

Treatment
EXCEDE- Excede
NT- No treatment

## Example 2 Dairy Health Event Recording in DC305® Protocol

### INJURY Event (EC=33)

- For injured cows not receiving antibiotics.
- If they require antibiotics, then they need a separate event that sets the proper meat/milk withholds.
- Remark Recording:

Reason

### GI Event (EC=50)

- For cows with digestive upset.
- Remark Recording:

<b>Treatment</b>
<b>BLDYGUT</b>
<b>DIARRHEA</b>
<b>ULCER</b>
<b>QQ- Fill in the blank</b>

### SOLD Event (EC=14)

- Recording reason why a cow was sold.
- Remark Recording: NEVER LEAVE BLANK

Primary Reason	Secondary Reason
<b>DNB/LOW</b>	
<b>LOWPROD</b>	
<b>PNEU</b>	
<b>LAME</b>	
<b>MAST</b>	
<b>QQ- Fill in the blank</b>	

### DIED Event (EC=15)

- Recording reason why a cow died.
- Remark Recording: NEVER LEAVE BLANK

Primary Reason	Secondary Reason
<b>PNEU</b>	
<b>METR</b>	
<b>DOWN</b>	
<b>COLI</b>	
<b>QQ- fill in the blank</b>	



## Example 1 Dairy Health Conditions Recording in DHI-Plus® Protocol

### Simple Rules of “Good Health Records” to follow when “How to record” questions arise:

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  - Record Treatments having a withdrawal and foot or quarter at a minimum

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For the following event recording White columns in the tables represent data automatically recorded by RX-Plus function.

### Udder Health Conditions

#### MAST Condition

- For cow with clinical mastitis in one or more quarters.
- Quarters affected will be selected when the RX treatment protocol is chosen.
- If a cow requires additional treatment (beyond the initial 4 days of treatment) then enter an additional MAST condition with the appropriate therapy.
- Remark Recording: RX

Protocol	Drug Name
SPECTRAMAST	SPECTRA
PIRSUE	PIRSUE
SEVERE MAST	HYPERTONIC SALINE
	BANAMINE
3 TEAT*	3 TEAT
NO TREAT MAST**	NO TREATMENT MAST

\*As a treatment for mastitis

\*\*Cows not being treated with antibiotics, most likely because she is being sent to beef

### Foot Health Conditions

#### LAME Condition

- For cows with a disease causing lameness.
- Limb(s) affected will be selected when the RX treatment protocol is chosen.
- Remark Recording: RX

Protocol	Drug Name
FOOTROT	EXCEDE
WART	WRAP
FT ULCER	NO TREATMENT
FT ABSCESS	NO TREATMENT

## Example 1 Dairy Health Conditions Recording in DHI-Plus® Protocol

### Reproductive Health Conditions

#### RETAINED Condition

- For cows with retained fetal membranes after 24 hours.
- There are no antibiotics associated with this event. If they receive antibiotics then the cows also needs a METR event.

Protocol	Drug Name
RETAIN	WATCH
FLUSH	IODINE

#### METRITIS Condition

- For cows with abnormal uterine discharge.

Protocol	Drug Name
FLUSH	IODINE
FLUSH & EXCENEL	IODINE
	EXCENEL
EXCENEL	EXCENEL

### Other Health Conditions

#### MILK FEVER Condition

- For cows with milk fever.
- Remark Recording: RX

Protocol	Drug Name
MILK FEVER	CMPK BOLUS
	CALCIUM

#### KETOSIS Condition

- For cows diagnosed with ketosis.

Protocol	Drug Name
KETOSIS MILD	PROPALENE
KETOSIS SEVERE	PROPALENE
	BOVA DRENCH
	DEXTROSE

#### INJURY Condition

- For injured cows.

Protocol	Drug Name
INJ BACK	NO TREAT
INJ CALVING	NO TREAT
INJ LEG	NO TREAT

## Example 1 Dairy Health Conditions Recording in DHI-Plus® Protocol

### PNEUMONIA Condition

- For cows with pneumonia.
- Remark Recording: RX

Protocol	Drug Name
PNEUMONIA/FEVER MILD	EXCEDE
PNEUMONIA-MODERATE	POLYFLEX
	FLUNIXIN
PNEUMONIA- RUP LUNG	POLYFLEX 10
	FLUNIXIN

### DA Condition

- For cows diagnosed with a DA.

Protocol	Drug Name
TOGGLE	NAXCEL
NO TREAT*	NO TREAT
SURG EXCEDE	EXCEDE
SURG PEN 60	PEN 60

\* For cows diagnosed with a DA but is not being treated, most likely because she is being sent to beef.

### SOLD and DIED Conditions

- Select a Macro to indicate why the cow was sold or died.
- Remark Recording: Sold with Macros/ Died with Macros

## Example 2 Dairy Health Condition Recording in DHI-Plus® Protocol

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**\*\*The HTech field should be filled in for all treatments or hoof trimmings\*\***

### Udder Health Conditions

#### MAST Condition

- For cows with Clinical mastitis in one or more quarters.
- A MAST condition starts her on three days of treatment.
- If a cow requires additional antibiotic treatments (same drug or different drug) then enter a REMAST event.
- Quarters affected will be chosen when the RX treatment protocol is chosen.

Protocol	Drug Name
PIRSUE PEN 35	PIRSUE
	PEN 35
PIRSUE PEN 35 BAN	PIRSUE
	PEN 35
	BANAMINE
PIRSUE	PIRSUE
PIRSUE BAN	PIRSUE
	BANAMINE
SPECT	SPECTRAMAST
SPECT BAN	SPECTRAMAST
	BANAMINE
HETACIN	HETACIN K
HETACIN BAN	HETACIN K
	BANAMINE
3T	3 TEAT
NT MAST*	NO TREAT MAST

\*For cows with mastitis, but is not being treated, mostly likely because she is being sent to beef.

## Example 2 Dairy Health Condition Recording in DHI-Plus® Protocol

### REMAST Condition

- For cows continuing treatment for mastitis beyond the initial 3 days of treatment.
- Quarters affected will be chosen when the RX treatment protocol is chosen.

Protocol	Drug Name
<b>PIRSUE PEN 35</b>	PIRSUE
	PEN 35
<b>PIRSUE PEN 35 BAN</b>	PIRSUE
	PEN 35
	BANAMINE
<b>PIRSUE</b>	PIRSUE
<b>PIRSUE BAN</b>	PIRSUE
	BANAMINE
<b>SPECT</b>	SPECTRAMAST
<b>SPECT BAN</b>	SPECTRAMAST
	BANAMINE
<b>HETACIN</b>	HETACIN K
<b>HETACIN BAN</b>	HETACIN K
	BANAMINE
<b>3T</b>	3 TEAT
<b>NT MAST*</b>	NO TREAT MAST

\*For cows with mastitis, but is not being treated, mostly likely because she is being sent to beef.

### BLOODY Condition

- For cows with bloody milk in one or more quarters.
- Quarters affected will be chosen when the RX treatment protocol is chosen.

Protocol	Drug Name
<b>BLOODY</b>	MILK OUT

### **Foot Health Conditions**

#### LAME Condition

- For cows that are lame in one or more limbs. For lameness not caused by hoof rot, foot wart, or an abscess.
- There are no antibiotic treatments associated with this event.

Protocol	Drug Name
<b>ULCER</b>	TET WRAP
<b>STIFLE</b>	WATCH
<b>ANKLE</b>	WATCH
<b>HIP</b>	WATCH
<b>SHOULDER</b>	WATCH

#### ABCESS Condition

- For cows diagnosed with a foot abscess.

Protocol	Drug Name
<b>TET WRAP</b>	TET WRAP
<b>BLOCK</b>	BLOCK

## Example 2 Dairy Health Condition Recording in DHI-Plus® Protocol

### FOOT WART Condition

- For cows diagnosed with foot wart(s).

Protocol	Drug Name
TET WRAP	TET WRAP

### HOOF ROT Condition

- For cows diagnosed with hoof rot.

Protocol	Drug Name
POLY ALBON	POLYFLEX
	ALBON PILL
EXCEDE	EXCEDE

## Reproductive Health Conditions

### RP Condition

- For cows with retained fetal membranes after 24 hours.
- There are no antibiotics associated with this event. If they receive antibiotics then the cows also needs a METR event.

Protocol	Drug Name
RP	CMPK
	DRENCH

### METRITIS Condition

- For cows with a fever and/or uterine discharge indicating a uterine infection.
- If a cow receives a different treatment or continues on a treatment longer than set in the protocol, then enter a subsequent METRITIS condition.

Protocol	Drug Name
MET FLUSH	UT FLUSH
MET EXCEDE	EXCEDE
MET EXCENEL	EXCENEL

## Other Health Conditions

### MILK FEVER Condition

- For cows with milk fever.

Protocol	Drug Name
MILK FEVER	CALCIUM
	DEXTROSE

### DA Condition

- For cows diagnosed with a DA.

Protocol	Drug Name
DA NO TREAT*	NO TREAT
DA SURGERY	EXCEDE

\* For cows diagnosed with a DA but is not being treated, most likely because she is being sent to beef.

## Example 2 Dairy Health Condition Recording in DHI-Plus® Protocol

### PNEUMONIA Condition

- For cows diagnosed with pneumonia.

<b>Protocol</b>	<b>Drug Name</b>
<b>PN NO TREAT</b>	NO TREAT
<b>PN EXCEDE</b>	EXCEDE

### INJURY Condition

- For injured cows not receiving treatment.

<b>Protocol</b>	<b>Drug Name</b>
<b>ANKLE</b>	WATCH
<b>SHOULDER</b>	WATCH
<b>BACK</b>	WATCH
<b>ABCESS</b>	WATCH

### SOLD and DIED Conditions

- Select a Macro to indicate why the cow was sold or died.
- Remark Recording: Sold with Macros/ Died with Macros