

# DAIRY COMP SCC & MASTITIS COMMANDS

## GENERAL ASSESSMENT

- **EVENTS\5 or EVENTS\6**  
Table of herd events over time (Events\5 = month, Events\6 = DIM).
- **ECON\ID365**  
To graph events over time.
- **PLOT MILK BY LCTGP\R (or substitute LS or SCC for MILK)**  
Plot of milk production for each test day over the last year.

## SOMATIC CELL COUNT ANALYSIS

- **GUIDE**  
Set list of questions to analyze herd. To examine SCC, look at 'Fresh Cows', 'Somatic Cell Counts' and 'Mastitis' tabs.
- **ECON\SP**  
Bulk tank SCC contribution analysis with the ability to select test date.
- **GRAPH LS BY PLS LCTGP FOR LACT>0\B**  
Scatter graph of linear score versus previous linear score distributed by lactation group.
- **SUM LS=4.5 PLS=4.5 FOR LACT>0 BY LCTGP\YTRZ**  
Provides 2 x 2 tables of linear score by previous linear score for each lactation group followed by overall table. LS/PLS can be substituted for SCC/PSCC with desired cut-off (e.g. SCC=200).
- **GRAPH LS1 BY DIMTD LCTGP FOR LACT>0 DIMTD<366\TZBP4**  
Scatter graph of fresh linear score over DIM at test day.
- **GRAPH LS1 BY DRYLS LCTGP FOR LACT>0 DIMTD<366\TMBP4**  
Scatter graph of fresh linear score versus linear score at dry off.
- **PLOT LS=4.5 BY LS\YRZ**  
Provides a table of SCC infection dynamics for each test day in the last year. LS/PLS can be substituted for SCC/PSCC with desired cut-off (e.g. SCC=200).
- **NEWINF**  
List of new cows above SCC of 200,000 at last test day. Can customize SCC cut-off limits.

## CLINICAL MASTITIS ANALYSIS

- **RPTINF**  
List of cows with repeat SCC above 200,000 at last test day. Can customize SCC cut-off limits.
- **EGRAPH MAST FRESH FOR DIM<31\FN1**  
Bar graph indicating number of monthly fresh cows and how many had mastitis in the first 30 days of lactation.
- **MASTRPT FOR FDAT>-365\B**  
List of cows with 1+ cases of clinical mastitis within the last year.
- **PCT NMAST>0 BY LACT FOR FDAT>-365 LACT>0\B**  
Provides the clinical mastitis incidence (1+ cases of clinical mastitis in this lactation), for cows fresh in the last year.
- **SUM BY NMAST LCTGP FOR LACT>0 FDAT>-365\B**  
Provides table of number of mastitis events by lactation group for cows fresh in the last year.

## ABBREVIATIONS

**LCTGP:** Lactation groups (1=lactation1, 2=lactation 2, 3=lactation >2)  
**LS:** Linear score at recent test day  
**PLS:** Previous test day linear score  
**SCC:** Somatic cell count at recent test day  
**PSCC:** Previous test day somatic cell count  
**DRYLS:** Linear score at dry-off  
**LS1:** Linear score at first test day in current lactation  
**DIMTD:** Days in milk at recent test day  
**NMAST:** Number of mastitis events  
**FDAT:** Fresh date

## PLOT LS=4.5 BY LS\YRZ Definitions

*These four categories add up to 100%:*

**Chronic:** cows above cutoff previous test and above cutoff at a given test  
**New Inf:** cows below cutoff previous test and above cutoff at a given test  
**Cured:** cows above cutoff previous test and below cutoff at a given test  
**Cleaned:** cows below cutoff previous test and below cutoff at a given test

*These two categories add up to 100%:*

**HiFresh:** cows tested for first time this lactation and above cutoff at first test  
**LoFresh:** cows tested for first time this lactation and below cutoff at first test  
**Cure Risk:** percentage of total cures this test divided by chronic and new infections last test  
**New Risk:** total new infected cows divided by the total of cows below cut-off previous test.

### NOTE:

- Cut-off points (LS and SCC) can be customized
- Culture results need to be entered into Dairy Comp manually
- How many days between mastitis cases indicate a new case? Event gap can be customized in ALTER>9. User-defined events>select 37 MAST and set 'Duplicate event gap'.