Given the change in rules on how SCC penalty will be implemented there is on-going value in keeping close tabs on udder health.

- What is the current situation?
- Watch for trends over time
- Are you recording clinical mastitis? How can we use the data?
- Do we have milk culture information that we can use to more effectively treat mastitis?

**Tools to evaluate trends in Udder Health**

**What is the current situation?**
- Tank
- Percent of herd >200,000 SCC on test day
- Snap shot of LS from the last two tests
- Can we measure dry cow therapy success?

**‘TANK’ report to help describe current udder health situation.**

The component and SCC averages are weighted to individual cow milk production.

**Current Snapshot - Plot of LS from last 2 tests**

MASTG2 command, or use lookout bar-graph icon

% of Herd SCC >200,000 on test day
How has the individual SCCs changed from last month (Sum)?

<table>
<thead>
<tr>
<th>PSCC</th>
<th>PSCC</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt;200</td>
<td>&gt;=200</td>
</tr>
<tr>
<td>12</td>
<td>30</td>
</tr>
<tr>
<td>7%</td>
<td>16%</td>
</tr>
<tr>
<td>23%</td>
<td>23%</td>
</tr>
</tbody>
</table>

SCC

<table>
<thead>
<tr>
<th>&lt;200</th>
<th>&gt;=200</th>
</tr>
</thead>
<tbody>
<tr>
<td>128</td>
<td>140</td>
</tr>
<tr>
<td>70%</td>
<td>77%</td>
</tr>
<tr>
<td>23%</td>
<td>77%</td>
</tr>
</tbody>
</table>

New Infection | Chronic Infection
---+---+---
<200 | >=200 |
---+---+---
140 | 42 |
77% | 23% |

Dry Cow Period Success?

(GRAPH DRYLS by LS1 LCTGP OLDRMLK DSEXT=366/TMBP4)

High at Dry off, Low after Fresh: CURE

Low at Dry off, High at Fresh: CHRONIC

Goals: New Infections = 10-12%,

Early lactation Udder Health Monitor

(SUM DRYLS=4 LS1=4 FOR FDAT=-366 DRYLS=0 LS1=0)

<table>
<thead>
<tr>
<th>LS1</th>
<th>LS1</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt;4.0</td>
<td>&gt;=4.0</td>
</tr>
<tr>
<td>15</td>
<td>9</td>
</tr>
<tr>
<td>8%</td>
<td>5%</td>
</tr>
<tr>
<td>13%</td>
<td>13%</td>
</tr>
</tbody>
</table>

DRYLS

<table>
<thead>
<tr>
<th>&gt;=4.0</th>
</tr>
</thead>
<tbody>
<tr>
<td>15</td>
</tr>
<tr>
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</tr>
<tr>
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</tbody>
</table>

DRYLS

<table>
<thead>
<tr>
<th>&lt;=4.0</th>
</tr>
</thead>
<tbody>
<tr>
<td>127</td>
</tr>
<tr>
<td>69%</td>
</tr>
<tr>
<td>87%</td>
</tr>
</tbody>
</table>

Low at Dry off, Low after Fresh: OK

Goals: New Infections = 10-12%,

Tools to evaluate trends in Udder Health

What are the trends over time?
Who is getting mastitis?

- Changes in LS by Lactation Group
- Has there been a change in Fresh LS over time?
- Has the percent of New and Chronic Cows changed over time? (Table and Graph)
  - By SCC
  - By LS=4
  - By LS=3 (heifers)

Quick herd overview can be helpful
See the Lookout bar

Herd trend; Linear score by lactation group

(YRAG2: PLOT LS FOR LACT>0 BY LCTGP RZ)
Has there been a change in Fresh LS over time?

(Graph LS1 by FDAT LCTGP for LACT=0 FDAT<=365/T2BP4)

**GUIDE** - Has the percent of new and chronic infected cows increased over time for the entire herd (Table)?

**TEST DATES**


<table>
<thead>
<tr>
<th>SCC</th>
<th>Chronic %</th>
<th>New Inf %</th>
<th>Cured %</th>
<th>Clean %</th>
<th>HiFresh %</th>
<th>LoFresh %</th>
<th>Cure Risk</th>
<th>New Risk</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>14 15 14 14 12 14 11 10 13 8 8 12 19 18 15</td>
<td>9 12 15 7 10 6 7 12 5 14 12 17 10 7 15</td>
<td>6 9 7 11 4 10 7 6 10 6 9 9 12 9 10</td>
<td>70 64 64 70 73 71 75 72 72 72 72 62 59 66 60</td>
<td>22 20 10 21 17 20 18 28 15 30 37 35 28 29</td>
<td>78 80 90 79 83 80 82 72 85 100 70 63 65 72 71</td>
<td>30 38 33 48 22 43 39 38 43 43 53 43 39 33 40</td>
<td>11 16 19 9 12 8 9 14 6 16 14 22 14 10 20</td>
</tr>
</tbody>
</table>
Has the percent of new and chronic infected cows increased over time for the entire herd (Graph)?

Tools to evaluate trends in Udder Health

Are clinical mastitis cases being recorded?

• How can we use the data?
  • Use EGRAPH

Using EGRAPH to look at Clinical Mastitis Incidence

Mastitis by date of occurrence

EGRAPH – view the data from another angle

Mastitis by DIM at time of event
Choose LCTGP item from the list

EGRAPH – view the data from another angle

Mastitis by DIM at time of event by lactation group

Milk Culture Results

Do we have milk culture information that we can use to more effectively treat mastitis?

• Use EGRAPH

Milk Culture Results

Can help define the mastitis bacteria footprint on your dairy

• Help guide treatment decisions
• Can help guide management practices to help with prevention
• Milk sample tests are downloaded and auto imported into DairyComp
• Entry of CULTURE events for results received from lab

Using EGRAPH to look at Milk sample Culture Information

Use EGRAPH to present results

Milk Culture results-over last year
Putting it all together…
Can we learn to speak ‘Dairy Comp-ese’?
Do we need to?
What are the short cuts?
• Guide
  – User
• Main Menu
  – Linked commands