6 STEPS TO ZERO RESIDUES

ANIMAL CARE – MILK AND MEAT QUALITY – CONSUMER TRUST

STEP 1: Consult, develop and review Animal Treatment Protocols with your herd’s veterinarian.

STEP 2: Develop and maintain Animal Treatment Records

STEP 3: Mark treated cows with highly visible indicators – Even before treatment.

STEP 4: Withhold all milk from treated cows for the complete prescribed withdrawal time. Even if residue test shows the milk is clear.

STEP 5: TEST the TANK before loading onto truck. Work with your dairy field representative on the correct procedures.

STEP 6: Check Animal Treatment Records before any animal leaves your farm for any reason.

For more information on changing Drug Regulatory Programs and how your dairy can strengthen its residue avoidance strategies please visit: http://z.umn.edu/zeroresidues

OTHER HELPFUL HINTS

- Follow all drug label directions.
- Separate treated cows from milking herd and milk treated cows last.
- Limit injections to 10cc per site.
- When an animal leaves the farm, record animal ID, animal destination, and obtain slaughter backtag numbers from livestock market or processing plant.

<table>
<thead>
<tr>
<th>Leading Causes of Milk Residues*</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Milked treated cow by mistake</td>
<td>35.5 %</td>
</tr>
<tr>
<td>Equipment related error</td>
<td>21.5 %</td>
</tr>
<tr>
<td>Identification Error</td>
<td>17.1 %</td>
</tr>
<tr>
<td>Procedure Error</td>
<td>9.0 %</td>
</tr>
<tr>
<td>Dry treated cow milked by mistake</td>
<td>6.7 %</td>
</tr>
</tbody>
</table>

* data from MN violations 2005-2011

Sign-up for Milk Quality updates by email
Receive messages concerning milk and meat residues, press releases, general milk quality information and web sites, and more. To subscribe or unsubscribe to our mailing list, send your email address to Milk.Quality@state.mn.us