**On-farm Observation Sheet**

1. ***ALL FARMS***
   1. Bulk tank milk sample collection *(Agitate the milk for at least 5 minutes before taking a sample)*
      1. Temperature of milk in tank from tank thermometer: ­­­­­­­­­­­­­­­­\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
      2. Temperature of milk in tank from infrared (surface reading): \_\_\_\_\_\_\_\_\_\_\_\_\_
      3. Temperature of milk in tank from lab thermometer: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
      4. Record the date and time that the sample was taken

Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Time \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

* 1. How are individual cows identified?

□ Ear tags

□ Neck collars

□ Tattoos

□ No obviously visible identification

□ Other (describe): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

* 1. Type of ventilation for lactating cow barn: (Check one)

□ Natural

□ Sidewall curtains present

□ Open ridge vent present

□ Tunnel ventilated (mechanical ventilation)

□ Cross ventilated (mechanical ventilation)

□ Other (describe): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

d. Is the ventilation: (Check one)

□ Good: Constant air flow, no hanging odors

□ Fair: Some odors, but not overpowering

□ Poor: No air flow, strong hanging odors

1. ***Both FREE and TIE stall, lactating cows:***
   1. Stall width: \_\_\_\_\_\_\_\_ inches
   2. Stall body length (from neck rail or brisket board to back curb): \_\_\_\_\_\_\_\_ inches
   3. Total stall length (including head space to back curb): \_\_\_\_\_\_\_inches
   4. Are all the stalls uniform in size?

□ Yes □ No □ Other (describe): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

* 1. Gutter behind cow or just alleyway?

□ Gutter □ Alleyway only □ Other (describe): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

* 1. Does the stall have a brisket board or brisket locator?

□ Yes □ No

1. ***FREE STALL, lactating cows:*** *sample from pen containing largest group of lactating cows, or if multiple pens of equal size sample from high producing group.*
   1. Total number of pens for lactating cows: \_\_\_\_\_\_\_\_\_
   2. How many rows of stalls are in a pen?

□ 2 rows/pen □ 3 rows/pen □ Other (describe): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

* 1. Number of stalls per sampled pen: \_\_\_\_\_\_\_
  2. Number of cows in sampled pen: \_\_\_\_\_\_\_\_\_\_\_\_
  3. Stocking density in cows/stalls (can be calculated after): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. ***TIE STALL, lactating cows:*** 
   1. Number of stalls in barn: \_\_\_\_\_\_\_\_\_\_\_
   2. Number of stalls used for lactating cows: \_\_\_\_\_\_\_\_\_\_
   3. Trainers present?

□ Yes □ No

1. ***LOOSE HOUSING/BEDDED PACK, lactating cows:*** *if multiple pens and pens are different sizes or designs, describe the largest lactating group or high group if equal* 
   1. Number of pens for lactating cows: \_\_\_\_\_\_\_\_\_\_\_
   2. Size of pen: \_\_\_\_\_\_ square feet
   3. CURRENT number of cows per pen: \_\_\_\_\_\_
   4. Square feet per cow (can be calculated after): \_\_\_\_\_\_\_\_\_\_\_\_
   5. Current estimated depth of pack: \_\_\_\_\_\_\_\_
   6. Temperature of pack: \_\_\_\_\_\_\_\_\_\_\_
2. ***Outdoor turn-out area, lactating****: sample similar to loose bedding; if no material on concrete surface, no sample necessary*
   1. Number of outdoor pens: \_\_\_\_\_\_\_\_\_\_\_
   2. Size of pen: \_\_\_\_\_\_ square feet
   3. CURRENT number of cows in pen: \_\_\_\_\_\_
   4. Square feet per cow (can be calculated after): \_\_\_\_\_\_\_\_\_\_\_\_
   5. Describe base (surface) material (e.g. concrete, no surface):

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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* 1. Describe surface of turn-out pen (depth of manure present, how wet/muddy):

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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* 1. **TAKE PICTURE OF EXERCISE YARD FOR LACTATING/DRY COWS WITH TABLET**