**Morning Milking**

**In Barn:**

1. Soak Molly’s beet pulp with hot water.
2. In 15 scoops and Molly’s pail add the supplements that each cow needs according to the whiteboard (Kelp, Dairy 1, RC Gold, Garlic, Oregano, ect)
3. Throw some hay down from the top of the barn into milking area manger (alfalfa or baleage) and place a pile where each of the first 3 cows stands.
4. Empty a mineral scoop onto each pile of hay
5. Place the pail of beet pulp and remaining mineral scoops on the shelf outside milking area.
6. Turn the radio and fan/heater on

**In the Milk House:**

1. Wash hands
2. Empty dishwashers, placing jars upside down on covered cooling racks, cover jars with towels and allow to dry fully.
3. Load dishwashers with jars and lids, add detergent packet and run on sanitize cycle
   * 1. When loading the lids, inspect the metal lids, any lids with rust or scratches on the inside coating (no matter how small) are to be discarded and replaced with new lids.
     2. Any sticker residue on plastic lids to be removed with lemon essential oil
4. Wash hands
5. Put milker together
6. Empty dryer/sort rags
7. Make milk rags

* (1 tsp udder wash to nearly full container full of warm water, add 2 rags for each cow milking)

1. Fill sink with bleach water

* Fill sink to 5 gallon mark with hot water and add 1 ⅓ oz Dairy Bleach Concentrate

1. Sanitize tank parts, funnel, tank lid by dipping them into bleach water, then placing them on a clean towel on the table
2. Assemble the funnel by placing the metal strainer into the funnel, topped with filter, and then clamp, set on a towel on the table.
3. Sanitize bulk tank

* Use the pitcher to bring bleach water to the bulk tank, starting with the tank lid closed, pour water over handle and around opening to tank.  Open the tank, pour water over the paddle and all inside walls of tank

1. Close tank and put funnel on top
2. Put tank spout together (the black seal goes on first), tighten good - Be sure valve is off
3. Sanitize milker

* Hook the milker to the vacuum supply, suck up ⅓ milker of bleach water, hold the cups to the front of the milker to maintain vacuum, shake the milker back and forth so that all inside surfaces are covered with bleach water.  Remove lid and empty completely.

**Milking:**

1. Bring the milker and rags to the milking area
2. Let in the first group of cows
3. Brush cows and apply fly spray (if needed)

**Milking Procedure:**

1. Remove 2 rags from the rag bucket.  Wash each teat and the area directly above teats, starting with the teats farthest from you and then the ones closer to you, flip rag over and repeat.  Squeeze the water from the second rag and wipe each teat again, starting with the teats farthest from you, being sure to wipe over the teat ends as well.  Flip rag over and repeat.  Continue to clean each teat until the rag comes away clean, get a third rag if needed.
2. Obtain a clean dry rag from the rag box and dry each teat.
3. Strip each teat 3-6 times into the strip cup, inspect after each teat to be sure no clumps, foreign material, or off-color are noted.
4. Dip each teat with the pre dip, starting with the teats closest to you, dump remaining teat dip from cup on to floor.
5. Hang the strap on the cow
6. Obtain a clean dry rag from the rag box and wipe the dip from each teat, ensuring that the dip has been on the teat for a minimum of 30 seconds., starting with the teats farthest from you.
7. Turn the vacuum pump on
8. Attach the vacuum hose to the pulsator and then to the vacuum line
9. Turn the vacuum valve on, listen for pulsation to start and vacuum to be obtained in milker.
10. Hang the milker from the spring and attach the cups to the teats
11. When milk stops flowing from a teat, remove that cup and allow it to hang down, repeat until all quarters are done milking
12. Remove milker
13. Remove strap from cow and hang on wall
14. Apply ointment to each teat if indicated on white board
15. Dip each teat with post dip, starting with the teats closest to you, dump any remaining dip in cup onto floor
16. Empty the milker into the funnel/filter on top of the bulk tank
17. Repeat for remaining cows

1. Turn tank on after the milk from the first 3 cows is in tank

1. When all cows have been milked and all milk is in bulk tank, wash hands and replace the funnel on the top of the tank with the tank lid.

1. Sweep out milking area, rinse floor with water if needed (when above freezing), close doors/gate
2. Put baleage or hay in the outside manger for dairy cows or open them to new pasture.

1. Wash hands
2. Make soapy water

* Fill sink on the left to the 5 gallon mark and add 3 Tbsp of powdered dairy detergent

1. Make Acid Rinse water

* Fill sink on the right to the 5 gallon mark and add 1/2 oz of acid rinse

1. Remove the filter from the funnel and inspect for any abnormalities (clumps, strings, blood, excess dirt), text Jenny if you find anything abnormal. Rinse the funnel in cool water, then Wash/acid rinse, hang to dry

Take the milker apart

1. Scrub the inside and outside of inflations, lid, and can, being sure to cover all surfaces with the brush at least twice with the hot soapy water.  Remove the inflations from the shells.
2. Rinse all milker parts and the can in the acid rinse
3. Hang to dry

1. Wash rag bucket and hose, hang to dry

1. Wipe down counters using the soapy water
2. Start laundry
3. empty/rinse down sinks
4. Rinse down and mop the milk house floor

**Night Milking**

**In the barn:**

1. Put hay in the manger for during milking, get 4 scoops beet pulp shreds ready for Molly(2), Berta, and Georgia
2. Make piles of baleage in the barn for feeding outside
3. Make a pile of baleage for feeding during milking

**In Milkhouse:**

1. Put rags in dryer
2. Wash hands
3. Put Milker together
4. Make sink of bleach water

* Fill sink on left to the 5 gallon mark with hot water and add 1 ⅓ oz dairy bleach concentrate

1. Make udder rags

* Fill container mostly full (to black line) with warm water and add 1 tsp udder wash

1. Put clean towel on table
2. Sanitize small can, square pan, funnel, filter and clip by rinsing in bleach water, set items on towel
3. Put together funnel, inserting the filter and clip
4. Put funnel on top of tank
5. Sanitize tank lid and set on clean towel
6. Sanitize milker

* Hook the milker to the vacuum supply, suck up ⅓ milker of bleach water, hold the cups to the front of the milker to maintain vacuum, shake the milker back and forth so that all inside surfaces are covered with bleach water.  Remove lid and empty completely.

Milk following milking procedure outlined in morning milking.

Place baleage in outside manger for dairy cows after milking.

1. Wash hands
2. Take funnel off top of tank and put lid on, inspect filter and rinse funnel with cool water
3. Suck bleach water up into milker, shake and then dump down drain.
4. Suck another round of bleach water up into milker, shake and then dump down drain.
5. Wipe milker lid and cups down with bleach water rag
6. Remove milker seal, rinse in bleach water, rinse with clean water, hang up to dry
7. With a new rag, wipe inside of the lid with bleach water, hang up
8. Wipe the outside of milker with bleach rag and hang milker up
9. Empty sink

When the bulk tank has stopped running and milk is 40\* or below and the above steps are complete, it’s time to bottle milk

1. Place square pan upside down under the spout of the bulk tank.
2. Wash and dry hands
3. Uncover jars

Remove bottom dust cover from tank spout

1. From the tank fill the small milk can, not letting the can touch the pan below, fill the jars from the small can.
2. **When tank is half empty, turn off**
3. Fill milk jars until tank empty, capping jars as you go
4. Label milk with date and peoples name
5. Sample milk

* Using a sterile pipet fill 2 sample vials with milk.  Label vial with the date.

1. Put milk jars and samples in the refrigerator in pick up room, organized in rows by name.
2. Rinse the bulk tank with the hose, leaving some water in the tank so that it starts to warm up

37. Make sink of soapy water

* Fill sink to 5 gallon mark and add 3 Tbsp foaming dairy detergent powder

38. Wash funnel, screen, and clip

1. Wash small can, hang on wall
2. Empty the tank onto the floor
3. Turn valve back to off, put 2 pitchers of soapy water into tank
4. Scrub the inside of the tank and then the outside of tank and then empty
5. Take the spout apart and put pieces into sink
6. Rinse inside and outside of tank well with hot water
7. Spray inside and outside of tank with diluted acid rinse
8. Wash spout parts and put on towel on table
9. Put lid back on tank
10. Cover any jars left on rack back up
11. Wipe down the tables with soapy water
12. Rinse rag bucket and hose in bleach water and then clean water, hang up
13. Wash the square pan
14. Empty sink
15. Mop floor
16. Rinse sink

1. Test milk
2. Enter results on sheet on fridge
3. Put sample back in fridge