

# **Daily Checks**



## **For Preventative Maintenance and Improved Efficiency and Cost Savings**

- Check for leaking water nipples or cups and water lines
- Ensure proper water flow rate from nipples for stage of pig (FYI, the nipple size doesn't need to be checked daily, but rather the flow rate.)
  - Nursery 1-2 cups/min
  - Finishing 2-4cups/min
  - Breeding 4 cups/min
- Inspect water pressure regulators and adjust to roughly 30-40psi
- Adjust heights of swinging waterers to the pigs' shoulder and check cable or chain integrity
- Check for proper feeder adjustment
- Check for clogged feeder drop and feed tube
- Ensure feed tubes are centered correctly on feed line
- Visually inspect feed bins and unloaders for leaks
- Clean up feed spills to reduce rodents and pit blockages
- Check ventilation controls for proper settings
- Inspect fan louvers for breaks or stuck louvers
- Check ceiling or wall diffusers for correct positions
- Visually inspect curtains for sags, holes or gaps including bird wire and hog panels
- Check override fan thermostat daily to ensure operation and proper calibration
- Check cool cell discharge pipe to ensure water flows freely
- Allow cool cell pads to dry daily to prevent algae and mineral growth
- Check exhaust temperature coming from the heat discharge of heaters (approx. 300°F)
- Check for properly secured slat grates or manhole covers
- Ensure that pit fit fans and waste-handling systems are operating properly
- Monitor freeboard levels in lagoons and pits

# Weekly Checks



## For Preventative Maintenance and Improved Efficiency and Cost Savings

- Inspect inline water filters to ensure there is no buildup
  - Water quality can have an impact (for example, high calcium levels)
- Check feed bins for feed bridging and break it up as needed
- Check feed hopper level switches and proximity drop tubes for sticking and feed buildup
- Check feed timers
- Check fans for worn or loose belts
- Clean fan louvers and shrouds for optimal airflow
- Check farm emergency alarm system
- Check curtain safety drop and thermostat for proper operation
  - Ensure curtain falls freely within 4 to 6 minutes after power is disconnected or emergency temperature is met
- Check rodent control stations
- Check areas around barns and walkways to ensure they are clear of debris and obstructions
- Check heater ignitor for proper flame and listen for smooth fan operation
- Check lift stations for excess solids or debris and clean accordingly
- Run backup generators and transfer switches
- Verify building and security lights are working properly
- Inspect loading chutes for worn flooring, sidewalls, cleats, cables, winches and pullies
- Inspect penning for broken parts, loose t-bolts and legs

**Additional Maintenance for my Farm:** \_\_\_\_\_

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# Monthly Checks



## For Preventative Maintenance and Improved Efficiency and Cost Savings

- Check curtain pockets for loose curtains
- Check tightness of bolts on fan motor frames
- Check fan belt tension
- Check for mold and mildew on cool cell pad during the summer months
- Check for gas leaks around heaters and gas source
- Cycle barn heater(s) and listen for proper cycle of pre-start of events
- Run the heater(s) once a month to keep all systems functional and rodents out

**Additional Maintenance for my Farm:** \_\_\_\_\_

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# Quarterly Checks



## For Preventative Maintenance and Improved Efficiency and Cost Savings

- Grease the tail-shaft bearing on feed bins
- Check oil level in gearbox to ensure its half full
  - Not applicable with chain systems
- Grease belt-drive fan bearings
- Check fan belt and pulley alignment
- Check exterior curtain cable pulleys and cables and ensure alignment
- Grease curtain machine acme screw inside the unit
- Check the pH of the water for cool cells, very alkaline water can accelerate the deterioration of pads
- Clean barn heaters with high-pressure air

**Additional Maintenance for my Farm:** \_\_\_\_\_

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# Yearly Checks



## For Preventative Maintenance and Improved Efficiency and Cost Savings

- Check flex auger tension (erratic running, speeding up and slowing down)
- Check motor wiring and plugs for corrosion
- Check voltage at fan
  - A decrease in voltage has a significant effect on fan speed
- Check fan pulley for wear
- Check high- and low-limit switches on curtain machines for proper adjustment
- Check cables on corner pulleys for frayed cable and alignment
- Check cool cell bleed-off system
- Check for broken/rusty gas lines

**Additional Maintenance for my Farm:** \_\_\_\_\_

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