

Center Pivot Audit Checklist/Use the bottom for notes on the system

Pivot being audited _____

Pivot point

- ☐ Mow or cut around pivot point and well if needed.
- ☐ Disperse rat bait if rodent holes present.
- ☐ Disconnect power and carefully view for rodent nests inside controller, if present remove carefully or have professional remove.
- ☐ Kill wasps and remove all visible nests.
- ☐ Ground wire intact and tight?
- ☐ Grease pivot points.

Drive train components

- ☐ Check air pressures on tires, if the tire is slack or flat, spray with soapy water and see if the leak is visible. Repair or replace tire if need.
- ☐ Inspect lugs for tightness.
- ☐ If oil is present on a rim and tire from the gear box, consider draining oil and replacing with new gear oil or **sprinkler lube** to prolong life unless the bearings are bad. In that case replace gear box.
- ☐ Inspect drive couplers.

Pressurize system, turn on end gun and walk at very slow rate for inspection AND DOCUMENTATION of system faults.

Watch closely the end gun for correct flapper contact, left to right speed of the end gun and the angles of forward and reverse of the end gun. View system designed pressure, gallons per minute and end gun travel arc if present in the control box.

- | | | | |
|---|------------------------|------------------------------|-----------------------------|
| <input type="checkbox"/> Pressure correct? | current pressure _____ | Yes <input type="checkbox"/> | No <input type="checkbox"/> |
| <input type="checkbox"/> Gallons per minute correct? (if water meter is working & end gun on) | current gpm _____ | Yes <input type="checkbox"/> | No <input type="checkbox"/> |
| <input type="checkbox"/> Document any leaks, clogged nozzles, hanging drops over supports. | | | |
| <input type="checkbox"/> Are lights at the point and end tower working? | | | |

Shut the system down.

- ☐ All leaks have been addressed.
 - ☐ Unclogged any partially or fully clogged nozzles.
 - ☐ All drops are now in place.
 - ☐ Set the end gun arc from 10 o'clock to 3 o'clock if settings unknown.
 - ☐ Drop the sediment trap and checked for brass, sand etc. (If Brass is present, plan to pull the pump)
- If pivot is known for partially clogged nozzles and drops are present, loosen the first two spans of nozzles and inspect for rust or sand that have partially stopped up the orifice.*

External surroundings of pivot

- ☐ Does any remotely close limbs or bushes to the pivot need cutting back?
- ☐ Have all ramps over ditches been inspected for stability?
- ☐ Have all pivot tracks been checked for washouts and do boggy tracks need stiffing up?

****If application rates are in question, multiple rain gauges can be placed between last two spans and compare to what is supposedly being applied. Recommend a minimum of .2 application.**