

QUICK-LOOK: HOW TO GUIDE 3

MAINTAINING A SOLAR PASTURE PUMP

Solar water pumps require no fuel and minimal maintenance

- **Clean the solar panels regularly to remove accumulated dirt and debris such as bird droppings. This should be done with a soft sponge and water only – do not use detergent or soap. This will improve the rate of pumping.**
- **Trim any overhanging trees or grasses, so they do not overshadow the solar panels of the pump.**
- **Check the tightness of all electrical connections in the system. Battery connections should be cleaned and treated with a corrosion inhibitor.**
- **Check system wiring. Look for cracks in the insulation of exposed wires. Inspect wires entering and exiting junction boxes for cracks or breaks in the insulation. Replace as necessary.**
- **Check all junction boxes for water damage or corrosion. Check the tightness of the terminal screws and the general condition of the wiring. After inspection, make sure covers on junction boxes are closed and sealed.**
- **Check the operation of switches. Make sure the switch movement is solid. Look for corrosion or charring around contacts. Check fuses with ohmmeter after removing; look for discolouration at their ends.**



Disclaimer

The views and opinions expressed in this document do not necessarily reflect those of the European Commission or the Special EU Programmes Body (SEUPB).