**Disinfection of gear with Super HDQ disinfectant**

* **Always wear gloves!**
* **Prior to disinfection, clean debris, mud and vegetation off of gear. This will help lengthen the life of the solution**.
* **Follow all handling instructions on disinfectant label or MSDS.**

**Preparing the Super HDQ solution:**

* + **For soaking at facility:** Add 0.25 gallons (31 ounces or a little less than 4 cups (3.9)) of solution per 10 gallons of water. This solution can be re-used so prepare in a bin with a lid to keep it clean.
  + **For field application in sprayer:** Use 12.4 ounces (1.55 cups) of Super HDQ Neutral solution for 2 gallons of water in the spray tank.

**Checking the solution efficacy:**

* + Muddy or old disinfection solution can lose its effectiveness and capacity to kill invasive organisms.
  + It is important to change the solution once it becomes muddy or diluted due to repeated use.
  + To check the solution prior to use, dilute one cup of solution in five cups of water (1:5) prior to testing.
  + Use the “Quat Check 1000” test papers to check the diluted solution
    - If the diluted solution is between 600 and 800 ppm (or higher), as indicated by the color of the test strip, the solution is fine and can continue to be used.
    - If the solution is less than 600 ppm, the solution is no longer effective at killing invasive organisms.

**Disinfection of gear:**

* + Equipment should either be submerged or fully covered in the disinfectant solution for a minimum of 10 minutes. When using a sprayer in the field, reapplication may be necessary in hot (evaporative) or wet conditions.
  + Once gear has soaked for 10 minutes, rinse with fresh water before getting back into the stream or water body.

**Disposal of solution:**

* At dilution, the solution can be disposed of into a gravel parking lot. It should not come into contact with any body of water. The solution can also be disposed of into the septic system.