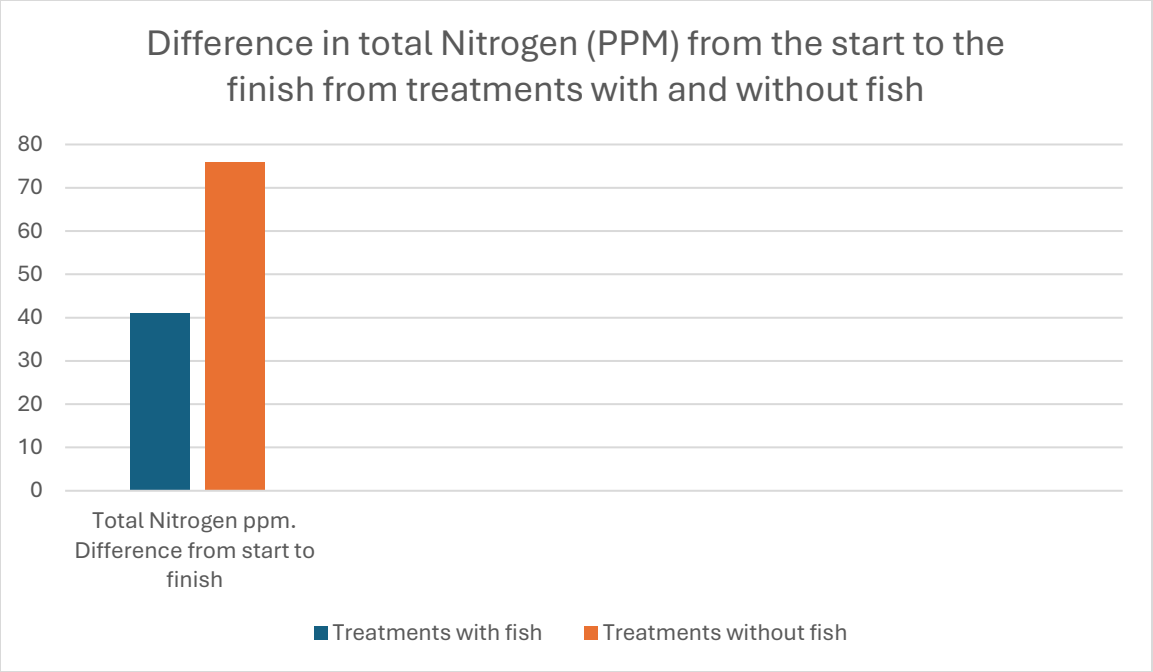


Summary: To look at differences in total nitrogen in parts per million available in the soil across two treatments (with fish and without fish), we took two soil samples, one at the start of the treatments and one at the end. We calculated the difference of total nitrogen from start to finish and combined all data from each treatment to get a single number to compare treatments with and without fish. This shows the change in nitrogen from start to finish in both treatments. The treatments without fish had significantly greater nitrogen loss, almost 50 percent, than treatments with fish. This is consistent with what we would expect as treatments with fish have a supply of nitrogen from fish waste when watered. Plants in these treatments do not have to use up as much of the nitrogen in the soil. Because there is less nitrogen loss in the treatments in with fish this can benefit the soil health.