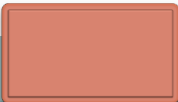
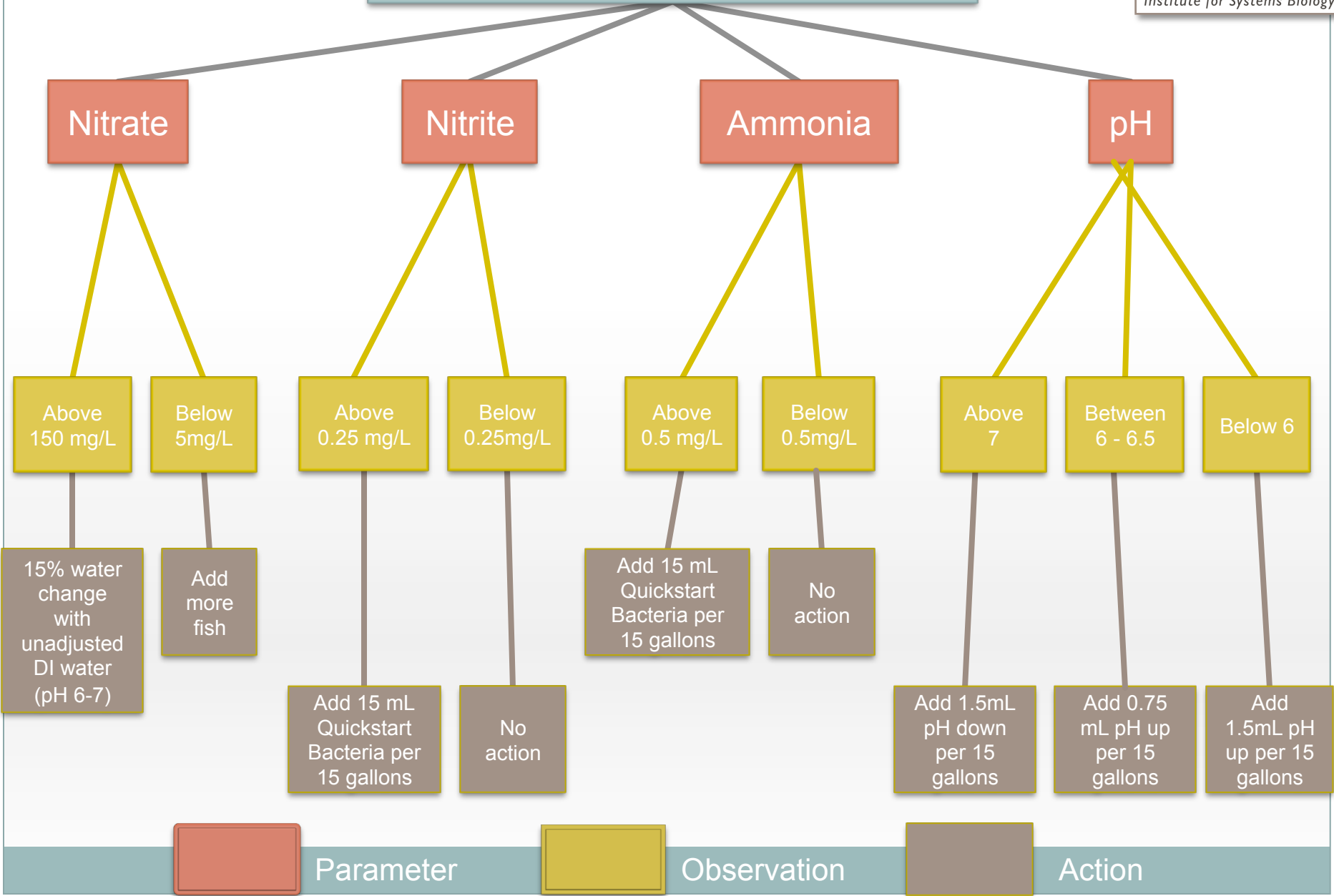
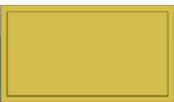


Aquaponic System Decision Tree



Parameter



Observation



Action

Aquaponic System: Nitrate



1. Place 6-in-1 strip in water for **1 second**, do not shake off excess water, set horizontally and compare to key after **60** seconds.



Nitrate

2. Record on data collection form and on the PF1010 website



Above 150 mg/L

Below 5 mg/L

3. Remove water. Replace with dechlorinated water.

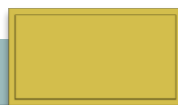


15% water change with unadjusted DI water (pH 6-7)

Add more fish



Parameter



Observation



Action

Aquaponic System: Nitrite



1. Place 6-in-1 strip in water for **1 second**, do not shake off excess water, set horizontally and compare to key after **30** seconds.



Nitrite



Above
0.25 mg/L

Below
0.25mg/L

2. Record on data collection form and on the PF1010 website



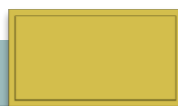
Add 15 mL
Quickstart
Bacteria per
15 gallons

No
action

3. Add 1 mL/gallon QuickStart Bacteria to tank



Parameter



Observation



Action

Aquaponic System: Ammonia

1. Put ammonia strip in water for **10 seconds** then shake off excess water



2. Compare to key **immediately**



3. Record on data collection form and on the PF1010 website

4. Add 1 mL/gallon QuickStart Bacteria to tank



Ammonia



Above
0.5 mg/L

Below
0.5mg/L



Add 15 mL
Quickstart
Bacteria per
15 gallons

No
action

Parameter

Observation

Action

Aquaponic System: pH



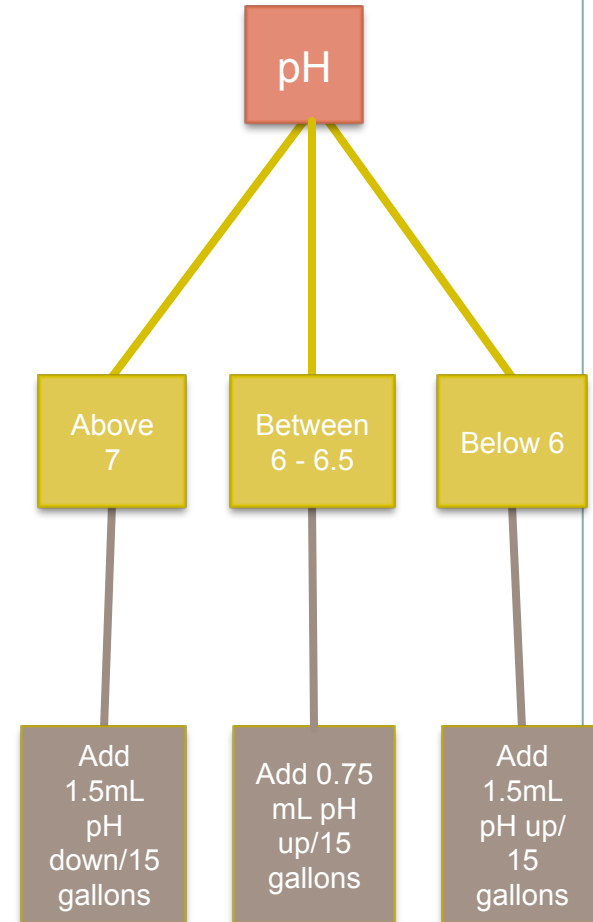
1. Use pH probe OR put 6-in-1 strip in water for 1 **second**, do not shake off excess water, set horizontally and compare to key after **30** seconds.



2. Record on data collection form and on the PF1010 website



3. Only add pH down if pH has been consistently above 7.5 for over 5 days. Nitrification in tank should lower pH naturally.



Parameter



Observation



Action