Integrated Pest Management Control Strategies

- Control strategies are often utilized after action thresholds are surpassed. IPM aims to utilize all possible pest control methods in a well organized and harmonious way in order to achieve long-term pest control. Chemicals are not prohibited but often used as a last resort.

**Biological Releases**

The use of natural predators, parasites, parasitoids, etc. to manage pests. Examples include ladybugs, hoverflies, spiders, etc.

**Other Non-Chemical Measures i.e., Mulch, Hot Water Treatments**

Out of the box, non-chemical control strategy are also utilized in IPM. Pesticide are not encouraged in aquaculture systems. However, it is allowed if label language does not prohibit it and the crop is listed on the label.

**Chemical Measures**

Use of a chemical to prevent, destroy, or repel pests. Typically considered after other control methods. Low toxicity chemicals are considered first. If available, use selective vs. broad spectrum chemicals. Chemicals should always be rotated with other chemicals to minimize resistance issues. Application and timing intervals are important.

**Pesticide Safety Reminders:**

A pesticide is defined as a chemical used to prevent, destroy, or repel pests in all types of systems and farming operations.

- Read and follow the label
- Calculate the treatment area
- Calibrate your equipment
- Do not apply more than the maximum allowable limit

Wear REQUIRED Personal Protective Equipment (PPE).

Follow Re-entry Intervals (REI), Pre-harvest Intervals (PHI), and post appropriate signage according to crop labels.

**Example Only:** Crop sprayed

- Label language does not prohibit it
- If there is a reference that the pesticide is harmful to fish, then be aware of consequences if used.

**Pesticide Use in Aquaponics are allowed IF:**

- Label language does not prohibit it
- If there is a reference that the pesticide is harmful to fish, then be aware of consequences if used.

**NOTE:** Workers who enter fields within the specific REI MUST wear appropriate PPE.