HAZARD IDENTIFICATION, RISK ASSESSMENT AND RISK CONTROL IN AGRICULTURE SECTOR
Palm Oil Plantation

1. Chemical Preparation
   - Slip and fall
     - Safe working procedure
   - Chemical spillage
     - Personnel protective equipment
   - Chemicals
     - Chemical management

2. Transport Fertilizer and Chemicals
   - Excessive load
     - Apply buddy system
   - Chemical spillage
     - Safe working procedure
   - Manual handling
     - Safe working procedure
   - Bending work
     - Uneven ground
   - Slip and fall
     - Training
   - Chemical spillage
     - Personnel protective equipment

3. Spraying
   - Chemical spillage
     - Personnel protective equipment
   - Chemical management

4. Manuring
   - Slip and fall
     - Safe working procedure
   - Chemical spillage
     - Personnel protective equipment
   - Heat stress
     - Allocation of drinking waters nearby
   - Snakes, hornet and bees
     - Destroy or remove the nest

5. Harvesting
   - Slip and fall
     - Falling fronds and debris
     - Training on correct positioning of pole length
   - Sharp sickle
     - Safe working procedure
   - Sharp thorn
     - Personnel protective equipment
   - Snake, hornet and bees
     - Destroy or remove the nest

6. Trunk Injection
   - Very toxic chemicals
     - Chemical spillage
     - Personnel protective equipment
     - Scheduled health surveillance
     - Good hygiene practice
   - Slip and fall
     - Sharp object
     - Safe working procedure

7. Change Tractor Tyre
   - Excessive pressure in tyre
     - Personne protective equipment
   - Unstable tractor position
     - Heavy load
     - Safe working procedure
   - Bending work
     - Training
HAZARD IDENTIFICATION, RISK ASSESSMENT AND RISK CONTROL IN THE FISHING INDUSTRY: AQUACULTURE

1. Feeding the fish
   - **Open edges around the pond**
     - Ensure body position is not too close to the border of the pond to avoid falling into it.
     - Place boundary markers showing the limit of where an employee is allowed to feed the fish.
     - Install water level depth markers.
     - Place warning signs of places with holes and soft ground.
   - **Exposure to chemicals**
     - Provide information to employees about the hazards of chemicals (i.e., fish food) used (refer to MSDS).
     - Good personal hygiene.

2. Mowing lawns around the pond
   - **Lawn mower**
   - **Flying objects**
   - **Noise**
   - **Venomous animals**
   - **Hot conditions**
     - Provide drinking water dispensers to employees.
   - **Open edges around the pond**
     - Place warning signs of places with holes and soft ground.
     - Install water level depth markers.
     - Ensure body position is not too close to the border of the pond to avoid falling into it.
     - Place boundary markers showing the limit of where an employee is allowed to mow the lawn.

3. Removing fish eggs from the fish’s mouth
   - **Violent reaction from fish**
   - Provide training to employees on the proper methods of removing fish eggs from the fish’s mouth.
   - Wear appropriate personal protective equipment (goggles and gloves).

4. Inspecting the condition of the fish in the storage bins
   - **Heavy storage covers**
   - **Leaked oxygen tanks**
   - **Fallen oxygen tanks**

5. Monitoring the fish in the storage bins
   - **Unstable ladders**
   - Use a stable working platform.
   - **Slippery floor**
   - Install warning signs on a slippery working environment.
   - Maintain the floor at all times.
   - Use proper shoes to avoid falling and slipping.

6. Treating diseased fish
   - **Exposure to chemicals**
     - Provide information to employees about the health hazards of chemicals (i.e., drugs) used (refer to MSDS).
     - Use appropriate personal protective equipment (goggles, gloves and safety shoes).
   - **Slippery floor**
     - Use proper shoes to avoid falling and slipping.
     - Provide warning signs on slippery working environment.
     - Maintain the floor at all times.

7. Selecting fish using strainer
   - **Slippery floor**
     - Use rubber shoes to avoid falling and slipping.
     - Provide warning signs on a slippery working environment.
     - Maintain the floor at all times.

8. Inserting oxygen into plastic bags before fish are sold
   - **Bending works**
   - Use a table suitable with the worker’s height in order to conveniently insert oxygen into the plastic bag.
   - Provide training to employees on the proper methods to insert oxygen into the plastic bags.
   - **Pressurized oxygen tanks**
   - **Provide Safe Working Procedures**
   - **Provide Safe Working Procedures related to manual handling**

Outreach Poster under Occupational Safety and Health Master Plan (OSH-MP15), Strategy 3 Program 2, Department of Occupational Safety and Health (Ministry of Human Resources)