Shrimp Diseases: Prevention and Control

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Major diseases of Black tiger and White shrimp:

- White spot syndrome virus (WSSV)
- Yellow head virus (YHV)
- Taura syndrome virus (TSV)
- Infectious hypodermal and hematopoietic necrosis virus (IHHNV)
- Infectious myonecrotic virus-like (IMN-like)
- Necrotizing hepatopancreatitis Bacterium (NHPB)
- TSV-like
- Microsporidian
White spot syndrome virus (WSSV)
Best Prevention of WSSV

1. Avoid stocking during winter
2. Check the broodstock with PCR
3. Eliminate WSSV carriers before stocking
Treated water with calcium hypochlorite
Fence and net preventing birds and crabs
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Disinfected vehicle before entering in the farm
Disinfected castnet
Common Tern
Common Tern
Yellow head virus (YHV)
Yellow head virus (YHV)
Taura syndrome virus (TSV)
Taura Syndrome Virus (TSV)
Pyknosis (P)

pyknosis (P)

karyorrhexis (K)
Infectious hypodermal and hematopoietic necrosis virus (IHHNV)
Infectious myonecrotic virus-like (IMN-like)
Gross sign

White foci in abdominal muscle
Progressive necrosis
Histopathology

Focal acute muscle necrosis
Hemocytic inflammation
Opaque muscle from transportation
Necrotizing hepatopancreatitis bacterium (NHPB)
karyorrhexis
Microsporidian
(Thelohania or Agmasoma)
TSV-like
TSV-like
Thank You!