

# Diseases Affecting Finfish

Disease Name	Acronym	Exotic / Non-Exotic	Legislation		Ireland's Health Status	Susceptible Species	Vector Species
			Listed Disease	National Measures			
Epizootic Haematopoietic Necrosis	EHN	Exotic	*		Declared Disease-Free	Rainbow trout ( <i>Oncorhynchus mykiss</i> ), redfin perch ( <i>Percha fluviatilis</i> )	Bighead carp ( <i>Aristichthys nobilis</i> ), goldfish ( <i>Carassius auratus</i> ), crucian carp ( <i>Carassius carassius</i> ), common carp and koi carp ( <i>Cyprinus carpio</i> ), silver carp ( <i>Hypophthalmichthys molitrix</i> ), chub ( <i>Leuciscus spp.</i> ), roach ( <i>Rutilus rutilus</i> ), rudd ( <i>Scardinius erythrophthalmus</i> ), tench ( <i>Tinca tinca</i> )
Viral Haemorrhagic Septicaemia	VHS	Non-Exotic	*		Declared Disease-Free	Herring ( <i>Clupea spp.</i> ), whitefish ( <i>Coregonus spp.</i> ), pike ( <i>Esox lucius</i> ), haddock ( <i>Melanogrammus aeglefinus</i> ), Pacific cod ( <i>Gadus macrocephalus</i> ), Atlantic cod ( <i>Gadus morhua</i> ), Pacific salmon ( <i>Oncorhynchus spp.</i> ) rainbow trout ( <i>Oncorhynchus mykiss</i> ), rockling ( <i>Onos mustelus</i> ), brown trout ( <i>Salmo trutta</i> ), turbot ( <i>Scophthalmus maximus</i> ), sprat ( <i>Sprattus sprattus</i> ), grayling ( <i>Thymallus thymallus</i> ), olive flounder ( <i>Paralichthys olivaceus</i> ), marble trout ( <i>Salmo marmoratus</i> ), lake trout ( <i>Salvelinus namaycush</i> ), wrasse ( <i>Labridae spp.</i> ), lumpfish ( <i>Cyclopteridae spp.</i> )	Beluga ( <i>Huso huso</i> ), Danube sturgeon ( <i>Acipenser gueldenstaedtii</i> ), sterlet sturgeon ( <i>Acipenser ruthenus</i> ), starry sturgeon ( <i>Acipenser stellatus</i> ), sturgeon ( <i>Acipenser sturio</i> ), Siberian sturgeon ( <i>Acipenser baerii</i> ), bighead carp ( <i>Aristichthys nobilis</i> ), goldfish ( <i>Carassius auratus</i> ), crucian carp ( <i>Carassius carassius</i> ), common carp and koi carp ( <i>Cyprinus carpio</i> ), silver carp ( <i>Hypophthalmichthys molitrix</i> ), chub ( <i>Leuciscus spp.</i> ), roach ( <i>Rutilus rutilus</i> ), rudd ( <i>Scardinius erythrophthalmus</i> ), tench ( <i>Tinca tinca</i> ), North African catfish ( <i>Clarias gariepinus</i> ), pike ( <i>Esox lucius</i> ), catfish ( <i>Ictalurus spp.</i> ), black bullhead ( <i>Ameiurus melas</i> ), channel catfish ( <i>Ictalurus punctatus</i> ), pangas catfish ( <i>Pangasius pangasius</i> ), pike perch ( <i>Sander lucioperca</i> ), wels catfish ( <i>Silurus glanis</i> ), European seabass ( <i>Dicentrarchus labrax</i> ), striped bass ( <i>Morone chrysops x Morone saxatilis</i> ), flathead grey mullet ( <i>Mugil cephalus</i> ), red drum ( <i>Sciaenops ocellatus</i> ), meagre ( <i>Argyrosomus regius</i> ), shi drum ( <i>Umbrina cirrosa</i> ), true tuna ( <i>Thunnus spp.</i> ), Atlantic bluefin tuna ( <i>Thunnus thynnus</i> ), white grouper ( <i>Epinephelus aeneus</i> ), dusky grouper ( <i>Epinephelus marginatus</i> ), Senegalese solea ( <i>Solea senegalensis</i> ), common sole ( <i>Solea solea</i> ), common pandora ( <i>Pagellus erythrinus</i> ), common dentex ( <i>Dentex dentex</i> ), gilthead seabream ( <i>Sparus aurata</i> ), white seabream ( <i>Diplodus sargus</i> ), black spot seabream ( <i>Pagellus bogaraveo</i> ), red sea bream ( <i>Pagrus major</i> ), sharpnout seabream ( <i>Diplodus puntazzo</i> ), common two-banded seabream ( <i>Diplodus vulgaris</i> ), red porgy ( <i>Pagrus pagrus</i> ), tilapia spp. ( <i>Oreochromis</i> ), brook trout ( <i>Salvelinus fontinalis</i> ), arctic charr ( <i>Salvelinus alpinus</i> )
Infectious Haematopoietic Necrosis	IHN	Non-Exotic	*		Declared Disease-Free	Chum salmon ( <i>Oncorhynchus keta</i> ), coho salmon ( <i>Oncorhynchus kisutch</i> ), Masou salmon ( <i>Oncorhynchus masou</i> ), rainbow trout ( <i>Oncorhynchus mykiss</i> ), sockeye salmon ( <i>Oncorhynchus nerka</i> ), pink salmon ( <i>Oncorhynchus rhodurus</i> ), chinook salmon ( <i>Oncorhynchus tshawytscha</i> ), Atlantic salmon ( <i>Salmo salar</i> ), lake trout ( <i>Salvelinus namaycush</i> ), marble trout ( <i>Salmo marmoratus</i> ), brook trout ( <i>Salvelinus fontinalis</i> ), arctic charr ( <i>Salvelinus alpinus</i> ), whitespotted charr ( <i>Salvelinus leucomaenis</i> )	Beluga ( <i>Huso huso</i> ), Danube sturgeon ( <i>Acipenser gueldenstaedtii</i> ), sterlet sturgeon ( <i>Acipenser ruthenus</i> ), starry sturgeon ( <i>Acipenser stellatus</i> ), sturgeon ( <i>Acipenser sturio</i> ), Siberian sturgeon ( <i>Acipenser baerii</i> ), bighead carp ( <i>Aristichthys nobilis</i> ), goldfish ( <i>Carassius auratus</i> ), crucian carp ( <i>Carassius carassius</i> ), common carp and koi carp ( <i>Cyprinus carpio</i> ), silver carp ( <i>Hypophthalmichthys molitrix</i> ), chub ( <i>Leuciscus spp.</i> ), roach ( <i>Rutilus rutilus</i> ), rudd ( <i>Scardinius erythrophthalmus</i> ), tench ( <i>Tinca tinca</i> ), North African catfish ( <i>Clarias gariepinus</i> ), catfish ( <i>Ictalurus spp.</i> ), black bullhead ( <i>Ameiurus melas</i> ), channel catfish ( <i>Ictalurus punctatus</i> ), pangas catfish ( <i>Pangasius pangasius</i> ), pike perch ( <i>Sander lucioperca</i> ), wels catfish ( <i>Silurus glanis</i> ), Atlantic halibut ( <i>Hippoglossus hippoglossus</i> ), flounder ( <i>Platichthys flesus</i> ), Atlantic cod ( <i>Gadus morhua</i> ), haddock ( <i>Melanogrammus aeglefinus</i> ), noble crayfish ( <i>Astacus astacus</i> ), signal crayfish ( <i>Pacifastacus leniusculus</i> ), redswamp crayfish ( <i>Procambarus clarkii</i> )

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			Listed Disease	National Measures			
Infectious Salmon Anaemia	ISA	Non-Exotic	*		Declared Disease-Free	Rainbow trout ( <i>Oncorhynchus mykiss</i> ), Atlantic salmon ( <i>Salmo salar</i> ), brown and sea trout ( <i>Salmo trutta</i> )	None
Koi Herpes Virus disease	KHV	Non-Exotic	*	*	Declared Disease-Free	Common carp and koi carp ( <i>Cyprinus carpio</i> )	Goldfish ( <i>Carassius auratus</i> ), grass carp ( <i>Ctenopharyngodon idella</i> )
Spring Viraemia of Carp	SVC	Non-Exotic		*	Declared Disease-Free	Bighead carp ( <i>Aristichthys nobilis</i> ), goldfish ( <i>Carassius auratus</i> ), crucian carp ( <i>Carassius carassius</i> ), grass carp ( <i>Ctenopharyngodon idellus</i> ), common carp and koi carp ( <i>Cyprinus carpio</i> ), silver carp ( <i>Hypophthalmichthys molitrix</i> ), sheatfish ( <i>Silurus glanis</i> ), tench ( <i>Tinca tinca</i> ), orfe ( <i>Leuciscus idus</i> )	Not laid down in legislation.
Bacterial Kidney Disease	BKD	Non-Exotic		*	Declared Disease-Free	All species of Salmonidae	Not laid down in legislation.
Infectious Pancreatic Necrosis	IPN	Non-Exotic		*	Other	Brook trout ( <i>Salvelinus fontinalis</i> ), brown trout ( <i>Salmo trutta</i> ), Atlantic salmon ( <i>Salmo salar</i> ), ( <i>Oncorhynchus</i> spp.) whitefish ( <i>Coregonus lavaretus</i> )	Not laid down in legislation.
Infections with <i>Gyrodactylus salaris</i>	GS	Non-Exotic		*	Declared Disease-Free	Atlantic salmon ( <i>Salmo salar</i> ), rainbow trout ( <i>Oncorhynchus mykiss</i> ), Arctic char ( <i>Salvelinus alpinus</i> ), North American brook trout ( <i>Salvelinus fontinalis</i> ), grayling ( <i>Thymallus thymallus</i> ), North American lake trout ( <i>Salvelinus namaycush</i> ), brown trout ( <i>Salmo trutta</i> ) and any species which has been in contact with these species	Not laid down in legislation.
Infection with Salmonid Alphavirus	SAV	Non-Exotic		*	Other	Atlantic salmon ( <i>Salmo salar</i> ), rainbow trout ( <i>Oncorhynchus mykiss</i> ), brown trout ( <i>Salmo trutta</i> )	Not laid down in legislation.

# Diseases Affecting Molluscs

Disease Name	Exotic / Non-Exotic	Legislation		Ireland's Health Status	Susceptible Species	Vector Species
		Listed Disease	National Measures			
<i>Microcytos mackini</i>	Exotic	*		Declared Disease-Free	Pacific oyster ( <i>Crassostrea gigas</i> ), eastern oyster ( <i>Crassostrea virginica</i> ), Olympia flat oyster ( <i>Ostrea conchaphila</i> ), European flat oyster ( <i>Ostrea edulis</i> )	None
<i>Perkinsus marinus</i>	Exotic	*		Declared Disease-Free	Pacific oyster ( <i>Crassostrea gigas</i> ), eastern oyster ( <i>Crassostrea virginica</i> )	European lobster ( <i>Homarus gammarus</i> ), marine crabs ( <i>Brachyura</i> spp.), Yabi crayfish ( <i>Cherax destructor</i> ), giant river prawn ( <i>Macrobrachium rosenbergii</i> ), spiny lobsters ( <i>Palinurus</i> spp.), swimming crab ( <i>Portunus puber</i> ), Indopacific swamp crab ( <i>Scylla serrata</i> ), Indian white prawn ( <i>Penaeus indicus</i> ), kuruma prawn ( <i>Penaeus japonicus</i> ), caramote prawn ( <i>Penaeus kerathurus</i> ), blue shrimp ( <i>Penaeus stylirostris</i> ), whiteleg shrimp ( <i>Penaeus vannamei</i> )
<i>Bonamia exitiosa</i>	Non-exotic	*		Other	Australian mud oyster ( <i>Ostrea angasi</i> ), Chilean flat oyster ( <i>Ostrea chilensis</i> ), European flat oyster ( <i>Ostrea edulis</i> )	Portuguese oyster ( <i>Crassostrea angulata</i> ), Pacific cupped oyster ( <i>Crassostrea gigas</i> ), eastern oyster ( <i>Crassostrea virginica</i> )
<i>Bonamia ostreae</i>	Non-exotic	*		Disease-free areas	Australian mud oyster ( <i>Ostrea angasi</i> ), Chilean flat oyster ( <i>Ostrea chilensis</i> ), Olympia flat oyster ( <i>Ostrea conchaphila</i> ), Asian oyster ( <i>Ostrea denselammellosa</i> ), European flat oyster ( <i>Ostrea edulis</i> ), Argentinian oyster ( <i>Ostrea puelchana</i> )	Common edible cockle ( <i>Cerastoderma edule</i> ), wedge shell ( <i>Donax trunculus</i> ), sand gaper ( <i>Mya arenaria</i> ), northern quahog ( <i>Mercenaria mercenaria</i> ), Japanese hard clam ( <i>Meretrix lusoria</i> ), grooved carpet shell ( <i>Ruditapes decussatus</i> ), Japanese carpet shell ( <i>Ruditapes philippinarum</i> ), European aurora venus clam ( <i>Venerupis aurea</i> ), pullet carpet shell ( <i>Venerupis pullastra</i> ), warty venus ( <i>Venus verrucosa</i> ), Great Atlantic scallop ( <i>Pecten maximus</i> )
<i>Marteilia refringens</i>	Non-exotic	*		Declared Disease-Free	Australian mud oyster ( <i>Ostrea angasi</i> ), Chilean flat oyster ( <i>Ostrea chilensis</i> ), European flat oyster ( <i>Ostrea edulis</i> ), Argentinian oyster ( <i>Ostrea puelchana</i> )	Common edible cockle ( <i>Cerastoderma edule</i> ), wedge shell ( <i>Donax trunculus</i> ), sand gaper ( <i>Mya arenaria</i> ), northern quahog ( <i>Mercenaria mercenaria</i> ), Japanese hard clam ( <i>Meretrix lusoria</i> ), grooved carpet shell ( <i>Ruditapes decussatus</i> ), Japanese carpet shell ( <i>Ruditapes philippinarum</i> ), European aurora venus clam ( <i>Venerupis aurea</i> ), pullet carpet shell ( <i>Venerupis pullastra</i> ), warty venus ( <i>Venus verrucosa</i> )
Ostreid herpesvirus 1 $\mu$ var (OsHV-1 $\mu$ Var)	Non-exotic		*	Disease-free areas	Pacific oyster ( <i>Crassostrea gigas</i> )	Not laid down in legislation.

# Diseases Affecting Crustaceans

Disease Name	Acronym	Exotic / Non-Exotic	Legislation		Ireland's Health Status	Susceptible Species	Vector Species
			Listed Disease	National Measures			
Taura syndrome virus		Exotic	*		Declared Disease-Free	Gulf white shrimp ( <i>Penaeus setiferus</i> ), Pacific blue shrimp ( <i>Penaeus stylirostris</i> ), Pacific white shrimp ( <i>Penaeus vannamei</i> )	Penshells ( <i>Atrina</i> spp.), common whelk ( <i>Buccinum undatum</i> ), Portuguese oyster ( <i>Crassostrea angulata</i> ), common edible cockle ( <i>Cerastoderma edule</i> ), Pacific cupped oyster ( <i>Crassostrea gigas</i> ), eastern oyster ( <i>Crassostrea virginica</i> ), wedge shell ( <i>Donax trunculus</i> ), Ezo abalone ( <i>Haliotis discus hannai</i> ), tuberculate abalone ( <i>Haliotis tuberculata</i> ), periwinkles ( <i>Littorina littorea</i> ), northern quahog ( <i>Mercenaria mercenaria</i> ), Japanese hard clam ( <i>Meretrix lusoria</i> ), sand gaper ( <i>Mya arenaria</i> ), blue mussel ( <i>Mytilus edulis</i> ), Mediterranean mussel ( <i>Mytilus galloprovincialis</i> ), octopus ( <i>Octopus vulgaris</i> ), European flat oyster ( <i>Ostrea edulis</i> ), Great Atlantic scallop ( <i>Pecten maximus</i> ), grooved carpet shell ( <i>Ruditapes decussatus</i> ), Japanese carpet shell ( <i>Ruditapes philippinarum</i> ), common cuttlefish ( <i>Sepia officinalis</i> ), stromboid conchs ( <i>Strombus</i> spp.), European aurora venus clam ( <i>Venerupis aurea</i> ), pullet carpet shell ( <i>Venerupis pullastra</i> ), warty venus ( <i>Venus verrucosa</i> ), European lobster ( <i>Homarus gammarus</i> ), marine crabs ( <i>Brachyura</i> spp.), Yabi crayfish ( <i>Cherax destructor</i> ), giant river prawn ( <i>Macrobrachium rosenbergii</i> ), spiny lobsters ( <i>Palinurus</i> spp), swimming crab ( <i>Portunus puber</i> ), Indopacific swamp crab ( <i>Scylla serrata</i> ), Indian white prawn ( <i>Penaeus indicus</i> ), kuruma prawn ( <i>Penaeus japonicus</i> ), caramote prawn ( <i>Penaeus kerathurus</i> )
Yellowhead virus		Exotic	*		Declared Disease-Free	Gulf brown shrimp ( <i>Penaeus aztecus</i> ), Gulf pink shrimp ( <i>Penaeus duorarum</i> ), kuruma prawn ( <i>Penaeus japonicus</i> ), black tiger shrimp ( <i>Penaeus monodon</i> ), Gulf white shrimp ( <i>Penaeus setiferus</i> ), Pacific blue shrimp ( <i>Penaeus stylirostris</i> ), Pacific white shrimp ( <i>Penaeus vannamei</i> )	Penshells ( <i>Atrina</i> spp.), common whelk ( <i>Buccinum undatum</i> ), Portuguese oyster ( <i>Crassostrea angulata</i> ), common edible cockle ( <i>Cerastoderma edule</i> ), Pacific cupped oyster ( <i>Crassostrea gigas</i> ), eastern oyster ( <i>Crassostrea virginica</i> ), wedge shell ( <i>Donax trunculus</i> ), Ezo abalone ( <i>Haliotis discus hannai</i> ), tuberculate abalone ( <i>Haliotis tuberculata</i> ), periwinkles ( <i>Littorina littorea</i> ), northern quahog ( <i>Mercenaria mercenaria</i> ), Japanese hard clam ( <i>Meretrix lusoria</i> ), sand gaper ( <i>Mya arenaria</i> ), blue mussel ( <i>Mytilus edulis</i> ), Mediterranean mussel ( <i>Mytilus galloprovincialis</i> ), octopus ( <i>Octopus vulgaris</i> ), European flat oyster ( <i>Ostrea edulis</i> ), Great Atlantic scallop ( <i>Pecten maximus</i> ), grooved carpet shell ( <i>Ruditapes decussatus</i> ), Japanese carpet shell ( <i>Ruditapes philippinarum</i> ), common cuttlefish ( <i>Sepia officinalis</i> ), stromboid conchs ( <i>Strombus</i> spp.), European aurora venus clam ( <i>Venerupis aurea</i> ), pullet carpet shell ( <i>Venerupis pullastra</i> ), warty venus ( <i>Venus verrucosa</i> )
White Spot Disease		Non-exotic	*		Not known to be infected	All decapod crustaceans (order Decapoda)	Penshells ( <i>Atrina</i> spp.), common whelk ( <i>Buccinum undatum</i> ), Portuguese oyster ( <i>Crassostrea angulata</i> ), common edible cockle ( <i>Cerastoderma edule</i> ), Pacific cupped oyster ( <i>Crassostrea gigas</i> ), eastern oyster ( <i>Crassostrea virginica</i> ), wedge shell ( <i>Donax trunculus</i> ), Ezo abalone ( <i>Haliotis discus hannai</i> ), tuberculate abalone ( <i>Haliotis tuberculata</i> ), periwinkles ( <i>Littorina littorea</i> ), northern quahog ( <i>Mercenaria mercenaria</i> ), Japanese hard clam ( <i>Meretrix lusoria</i> ), sand gaper ( <i>Mya arenaria</i> ), blue mussel ( <i>Mytilus edulis</i> ), Mediterranean mussel ( <i>Mytilus galloprovincialis</i> ), octopus ( <i>Octopus vulgaris</i> ), European flat oyster ( <i>Ostrea edulis</i> ), Great Atlantic scallop ( <i>Pecten maximus</i> ), grooved carpet shell ( <i>Ruditapes decussatus</i> ), Japanese carpet shell ( <i>Ruditapes philippinarum</i> ), common cuttlefish ( <i>Sepia officinalis</i> ), stromboid conchs ( <i>Strombus</i> spp.), European aurora venus clam ( <i>Venerupis aurea</i> ), pullet carpet shell ( <i>Venerupis pullastra</i> ), warty venus ( <i>Venus verrucosa</i> )