

CHAPTER 89
AQUACULTURE

571—89.1(481A) Approved aquaculture species. The following approved aquaculture species may be propagated and sold:

FISH

American Eel	<i>Anguilla rostrata</i>
Banded Darter	<i>Etheostoma zonale</i>
Banded Killifish	<i>Fundulus diaphanus</i>
Bigmouth Buffalo	<i>Ictiobus cyprinellus</i>
Bigmouth Shiner	<i>Notropis dorsalis</i>
Black Buffalo	<i>Ictiobus niger</i>
Black Bullhead	<i>Ictalurus melas</i>
Black Crappie	<i>Pomoxis nigromaculatus</i>
Blackchin Shiner	<i>Notropis heterodon</i>
Blacknose Dace	<i>Rhinichthys atratulus</i>
Blackside Darter	<i>Percina maculata</i>
Blackstripe Topminnow	<i>Fundulus notatus</i>
Blue Catfish	<i>Ictalurus furcatus</i>
Blue Sucker	<i>Cycleptus elongus</i>
Bluegill & Hybrids	<i>Lepomis macrochirus</i>
Bluntnose Minnow	<i>Pimephales notatus</i>
Bowfin	<i>Amia calva</i>
Brassy Minnow	<i>Hybognathus hankinsoni</i>
Brook Silverside	<i>Labidesthes sicculus</i>
Brook Stickleback	<i>Culaea inconstans</i>
Brook Trout	<i>Salvelinus fontinalis</i>
Brown Bullhead	<i>Ictalurus nebulosus</i>
Brown Trout	<i>Salmo trutta</i>
Bullhead Minnow	<i>Pimephales vigilax</i>
Central Mudminnow	<i>Umbra limi</i>
Central Stoneroller	<i>Campostoma anomalum</i>
Channel Catfish	<i>Ictalurus punctatus</i>
Common Carp	<i>Cyprinus carpio</i>
Common Shiner	<i>Notropis cornutus</i>
Creek Chub	<i>Semotilus atromaculatus</i>
Crystal Darter	<i>Ammocrypta asprella</i>
Emerald Shiner	<i>Notropis atherinoides</i>
Fantail Darter	<i>Etheostoma flabellare</i>
Fathead Minnow & Hybrids	<i>Pimephales promelas</i>
Flathead Catfish	<i>Pylodictus olivaris</i>
Flathead Chub	<i>Hybopsis gracilis</i>
Freshwater Drum	<i>Aplodinotus grunniens</i>
Ghost Shiner	<i>Notropis buchanani</i>
Gilt Darter	<i>Percina evides</i>

Gizzard Shad	<i>Dorosoma cepedianum</i>
Golden Redhorse	<i>Moxostoma erythrum</i>
Golden Shiner	<i>Notemigonus crysoleucas</i>
Goldeye	<i>Hiodon alosoides</i>
Goldfish	<i>Carassius auratus</i>
Gravel Chub	<i>Hybopsis x-punctata</i>
Greater Redhorse	<i>Moxostoma valenciennesi</i>
Green Sunfish	<i>Lepomis cyanellus</i>
Highfin Carpsucker	<i>Carpionodes velifer</i>
Horneyhead Chub	<i>Nocomis biguttatus</i>
Iowa Darter	<i>Etheostoma exile</i>
Ironcolor Shiner	<i>Notropis chalybaeus</i>
Johnny Darter	<i>Etheostoma nigrum</i>
Lake Chub	<i>Couesius plumbeus</i>
Largemouth Bass	<i>Micropterus salmoides</i>
Largescale Stoneroller	<i>Campostoma oligolepis</i>
Longear Sunfish	<i>Lepomis megalotis</i>
Longnose Dace	<i>Rhinichthys cataractae</i>
Longnose Gar	<i>Lepisosteus osseus</i>
Mimic Shiner	<i>Notropis volucellus</i>
Mississippi Silvery Minnow	<i>Hybognathus nuchalis</i>
Mooneye	<i>Hiodon tergisus</i>
Mosquito Fish	<i>Gambusia affinis</i>
Mottled Sculpin	<i>Cottus bairdi</i>
Mud Darter	<i>Etheostoma asprigene</i>
Muskellunge & Hybrids	<i>Esox masquinongy</i>
Northern Hog Sucker	<i>Hypentelium nigricans</i>
Northern Logperch	<i>Percina caprodes</i>
Northern Pike	<i>Esox lucius</i>
Northern Rock Bass	<i>Ambloplites rupestris</i>
Orangespotted Sunfish	<i>Lepomis humilus</i>
Ozark Minnow	<i>Notropis nubilus</i>
Pallid Shiner	<i>Notropis amnis</i>
Pirate Perch	<i>Aphredoderus sayanus</i>
Plains Minnow	<i>Hybognathus placitus</i>
Plains Topminnow	<i>Fundulus sciadicus</i>
Pugnose Minnow	<i>Notropis emiliae</i>
Pumpkinseed	<i>Lepomis gibbosus</i>
Quillback Carpsucker	<i>Carpionodes cyprinus</i>
Rainbow Darter	<i>Etheostoma caeruleum</i>
Rainbow Smelt	<i>Osmerus mordax</i>
Rainbow Trout	<i>Oncorhynchus mykiss</i>
Red Shiner	<i>Notropis lutrensis</i>
Redear Sunfish & Hybrids	<i>Lepomis microlophus</i>
Redfin Shiner	<i>Notropis umbratilus</i>

Redside Dace	<i>Clinostomus elongatus</i>
River Carpsucker	<i>Carpiodes carpio</i>
River Darter	<i>Percina shumardi</i>
River Redhorse	<i>Moxostoma carinatum</i>
River Shiner	<i>Notropis blennioides</i>
Rosyface Shiner	<i>Notropis rubellus</i>
Sand Shiner	<i>Notropis stramineus</i>
Sauger & Hybrids	<i>Stizostedion canadense</i>
Shorthead Redhorse	<i>Moxostoma macrolepidotum</i>
Shortnose Gar	<i>Lepisosteus platostomus</i>
Shovelnose Sturgeon	<i>Scaphirhynchus platyrhynchus</i>
Sicklefin Chub	<i>Hybopsis meeki</i>
Silver Chub	<i>Hybopsis storeriana</i>
Silver Lamprey	<i>Ichthyomyzon unicuspis</i>
Silver Redhorse	<i>Moxostoma anisurum</i>
Silverband Shiner	<i>Notropis shumardi</i>
Skipjack Herring	<i>Alosa chrysochloris</i>
Slender Madtom	<i>Noturus exilis</i>
Slenderhead Darter	<i>Percina phoxocephala</i>
Slimy Sculpin	<i>Cottus cognatus</i>
Smallmouth Bass	<i>Micropterus dolomieu</i>
Smallmouth Buffalo	<i>Ictiobus bubalus</i>
Southern Redbelly Dace	<i>Phoxinus erythrogaster</i>
Speckled Chub	<i>Hybopsis aestivalis</i>
Spotfin Shiner	<i>Notropis spilopterus</i>
Spottail Shiner	<i>Notropis hudsonius</i>
Spotted Bass	<i>Micropterus punctulatus</i>
Spotted Sucker	<i>Minytrema melanops</i>
Starhead Topminnow	<i>Fundulus notti</i>
Stone Cat	<i>Noturus flavus</i>
Striped Bass & Hybrids	<i>Morone saxatilis</i>
Sturgeon Chub	<i>Hybopsis gelida</i>
Suckermouth Minnow	<i>Phenacobius mirabilis</i>
Tadpole Madtom	<i>Noturus gyrinus</i>
Topeka Shiner	<i>Notropis topeka</i>
Trout Perch	<i>Percopsis omiscomaycus</i>
Walleye & Hybrids	<i>Stizostedion vitreum</i>
Warmouth	<i>Lepomis gulosus</i>
Western Silvery Minnow	<i>Hybognathus argyritis</i>
White Amur	<i>Ctenopharyngodon idella</i>
White Bass & Hybrids	<i>Morone chrysops</i>
White Crappie	<i>Pomoxis annularis</i>
White Sucker	<i>Catostomus commersoni</i>
Yellow Bass	<i>Morone mississippiensis</i>

Yellow Bullhead	Ictalurus natalis
Yellow Perch	Perca flavescens

AMPHIBIANS

Bullfrog	Rana catesbeiana
Leopard Frog	Rana pipiens

REPTILES

Common Snapping Turtle	Chelydra serpentina
Painted Turtle	Chrysemys picta
Smooth Softshell	Trionyx muticus

571—89.2(481A) Importation permit. An importation permit is required to receive, propagate or sell in the state any aquaculture species not listed in subrule 89.1(1). In addition, aquaculture units shall not import live fish, viable eggs, or semen of any species of the salmonid family (trout, salmon or char) and ictalurid family (catfishes and bullheads), unless the owner or operator possesses a fish importation permit. Importation permits may be applied for on forms provided by the department.

571—89.3(481A) Disease-free certification. Importation permits will not be issued for live fish, viable eggs, or semen of any species of the salmonid family (trout, salmon or char) unless the owner or operator of an aquaculture unit provides a statement certifying the fish, eggs or semen to be free of the following diseases:

89.3(1) Diseases detrimental to the state's fishery resources.

- Viral Hemorrhagic Septicemia (VHS)
- Infectious Pancreatic Necrosis (IPN)
- Whirling Disease (*Myxosoma cerebralis*)
- Infectious Hematopoietic Necrosis (IHN)
- Ceratomyxosis (*Ceratomyxa shasta*)
- Bacterial Kidney Disease (*R. salmoninarium*)
- Proliferative Kidney Disease (PKD)
- Enteric Redmouth (*Yersinia ruckeri*)
- Vibriosis (*vibrio* sp.)

89.3(2) Reportable diseases. Reportable diseases are detrimental to individual aquaculture units and may be detrimental to wild fish populations. Reportable diseases are Enteric Septicemia of Catfish (*Edwardsiella ictaluri*) (ESC), Channel Catfish Virus Disease (CCVD) and Furunculosis (*Aeromonas salmonicida*). Disease certification statements are required for the diseases prior to importation of any live fish, viable eggs, or semen of any species of the Ictalurid (catfishes and bullheads) and Salmonid (trout, salmon and char) families. Importation permits will be considered on a case-by-case basis for fish with reportable diseases.

89.3(3) Certified pathologists for inspection. All disease certification statements must be issued by approved certified pathologists. A list of approved certified pathologists will be made available to the owner or operator of the aquaculture unit requesting a fish importation permit.

These rules are intended to implement Iowa Code sections 481A.142 and 481A.143.

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