

CHAPTER 89
AQUACULTURE

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

FISH

Common Name	Scientific Name
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>Ericymba dorsalis</i>
Black Buffalo	<i>Ictiobus niger</i>
Black Bullhead	<i>Ameiurus melas</i>
Black Crappie	<i>Pomoxis nigromaculatus</i>
Blackchin Shiner	<i>Miniellus 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 elongatus</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>Ameiurus 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>Luxilus cornutus</i>
Creek Chub	<i>Semotilus atromaculatus</i>
Crystal Darter	<i>Crystallaria asprella</i>
Emerald Shiner	<i>Notropis atherinoides</i>
Fantail Darter	<i>Etheostoma flabellare</i>

Common Name	Scientific Name
Fathead Minnow & Hybrids	<i>Pimephales promelas</i>
Flathead Catfish	<i>Pylodictis olivaris</i>
Flathead Chub	<i>Platygobio gracilis</i>
Freshwater Drum	<i>Aplodinotus grunniens</i>
Ghost Shiner	<i>Paranotropis buchanani</i>
Gilt Darter	<i>Percina evides</i>
Gizzard Shad	<i>Dorosoma cepedianum</i>
Golden Redhorse	<i>Moxostoma erythrurum</i>
Golden Shiner	<i>Notemigonus crysoleucas</i>
Goldeye	<i>Hiodon alosoides</i>
Goldfish	<i>Carassius auratus</i>
Grass Carp	<i>Ctenopharyngodon idella</i>
Gravel Chub	<i>Erimystax x-punctatus</i>
Greater Redhorse	<i>Moxostoma valenciennesi</i>
Green Sunfish	<i>Lepomis cyanellus</i>
Highfin Carpsucker	<i>Carpionodes velifer</i>
Hornyhead Chub	<i>Nocomis biguttatus</i>
Iowa Darter	<i>Etheostoma exile</i>
Ironcolor Shiner	<i>Alburnops chalybaeus</i>
Johnny Darter	<i>Etheostoma nigrum</i>
Lake Chub	<i>Couesius plumbeus</i>
Largemouth Bass	<i>Micropterus salmoides</i>
Largescale Stoneroller	<i>Camptostoma oligolepis</i>
Longear Sunfish	<i>Lepomis megalotis</i>
Longnose Dace	<i>Rhinichthys cataractae</i>
Longnose Gar	<i>Lepisosteus osseus</i>
Mimic Shiner	<i>Paranotropis volucellus</i>
Mississippi Silvery Minnow	<i>Hybognathus nuchalis</i>
Mooneye	<i>Hiodon tergisus</i>
Western Mosquitofish	<i>Gambusia affinis</i>
Mottled Sculpin	<i>Cottus bairdii</i>
Mud Darter	<i>Etheostoma asprigene</i>
Muskellunge & Hybrids	<i>Esox masquinongy</i>
Northern Hog Sucker	<i>Hypentelium nigricans</i>
Logperch	<i>Percina caprodes</i>
Northern Pike	<i>Esox lucius</i>
Rock Bass	<i>Ambloplites rupestris</i>
Orangespotted Sunfish	<i>Lepomis humilis</i>

Common Name	Scientific Name
Ozark Minnow	<i>Miniellus nubilus</i>
Pallid Shiner	<i>Hybopsis amnis</i>
Pirate Perch	<i>Aphredoderus sayanus</i>
Plains Minnow	<i>Hybognathus placitus</i>
Plains Topminnow	<i>Fundulus sciadicus</i>
Pugnose Minnow	<i>Opsopoeodus emiliae</i>
Pumpkinseed	<i>Lepomis gibbosus</i>
Quillback	<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>Cyprinella lutrensis</i>
Redear Sunfish & Hybrids	<i>Lepomis microlophus</i>
Redfin Shiner	<i>Lythrurus umbratilis</i>
Redside Dace	<i>Clinostomus elongatus</i>
River Carpsucker	<i>Carpionodes carpio</i>
River Darter	<i>Percina shumardi</i>
River Redhorse	<i>Moxostoma carinatum</i>
River Shiner	<i>Alburnops blennius</i>
Rosyface Shiner	<i>Notropis rubellus</i>
Sand Shiner	<i>Miniellus stramineus</i>
Sauger & Hybrids	<i>Sander canadensis</i>
Shorthead Redhorse	<i>Moxostoma macrolepidotum</i>
Shortnose Gar	<i>Lepisosteus platostomus</i>
Shovelnose Sturgeon	<i>Scaphirhynchus platyrhynchus</i>
Sicklefin Chub	<i>Macrhybopsis meeki</i>
Silver Chub	<i>Macrhybopsis storeriana</i>
Silver Lamprey	<i>Ichthyomyzon unicuspis</i>
Silver Redhorse	<i>Moxostoma anisurum</i>
Silverband Shiner	<i>Paranotropis 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>Chrosomus erythrogaster</i>
Speckled Chub	<i>Macrhybopsis aestivalis</i>

Common Name	Scientific Name
Spotfin Shiner	<i>Cyprinella spiloptera</i>
Spottail Shiner	<i>Hudsonius hudsonius</i>
Spotted Bass	<i>Micropterus punctulatus</i>
Spotted Sucker	<i>Minytrema melanops</i>
Starhead Topminnow	<i>Fundulus dispar</i>
Stonecat	<i>Noturus flavus</i>
Striped Bass & Hybrids	<i>Morone saxatilis</i>
Sturgeon Chub	<i>Macrhybopsis gelida</i>
Suckermouth Minnow	<i>Phenacobius mirabilis</i>
Tadpole Madtom	<i>Noturus gyrinus</i>
Topeka Shiner	<i>Miniellus topeka</i>
Trout-perch	<i>Percopsis omiscomaycus</i>
Walleye & Hybrids	<i>Sander vitreus</i>
Warmouth	<i>Lepomis gulosus</i>
Western Silvery Minnow	<i>Hybognathus argyritis</i>
White Bass & Hybrids	<i>Morone chrysops</i>
White Crappie	<i>Pomoxis annularis</i>
White Sucker	<i>Catostomus commersonii</i>
Yellow Bass	<i>Morone mississippiensis</i>
Yellow Bullhead	<i>Ameiurus natalis</i>
Yellow Perch	<i>Perca flavescens</i>

AMPHIBIANS

Common Name	Scientific Name
Bullfrog	<i>Lithobates catesbeianus</i>
Leopard Frog	<i>Lithobates pipiens</i>

REPTILES

Common Name	Scientific Name
Common Snapping Turtle	<i>Chelydra serpentina serpentina</i>
Painted Turtle	<i>Chrysemys picta</i>
Smooth Softshell	<i>Apalone mutica</i>

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. salmoninarum*)

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.

[Filed 11/6/92, Notice 9/2/92—published 11/25/92, effective 12/30/92]