

## Molluscan Bivalve Shellfish Only

# AQUATIC FARMER LICENSE APPLICATION I [2021]

This application serves as the OPERATIONAL PLAN for the NJDEP, Bureau of Marine Water Monitoring Commercial Shellfish Aquaculture Permit (N.J.A.C. 7:12-9.15) and Hatchery/Nursery Permit (N.J.A.C. 7:12-9.14).



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ALL molluscan bivalve shellfish culturists within the State of New Jersey, including hatchery and nursery operators must complete the appropriate application pages as follows:

1. Grow-out operations (lease/riparian)- complete pages 2-6; sign page 9.
2. Hatchery operators- complete page 2 and page 7; sign page 9.
3. Nursery operators- complete page 2 and page 8; sign page 9.
4. Use one application for a nursery/hatchery and grow-out within the same company/applicant.
5. An application is only considered **complete when all questions within the applicable pages are answered and the final page is signed by the applicant.**

*If you do NOT produce molluscan bivalve shellfish, use Application II.*

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DATE: \_\_\_\_\_

**Applicant Information**

Name:				Date of Birth:	
Mailing Address:					
City:		State:		Zip code:	
Telephone		Email:			
Business Name					
Facility Street Address:					
Municipality:		County:			
Block No.		Lot No.			

*\*\* (if different than applicant)*

Name of Consultant or Alternate Contact Person:					
Address:					
City:		State:		Zip code:	
Telephone		Email			

**Permits**

Provide information on permitting for your shellfish aquaculture farm.

Permitting Authority	Permit/License Name	Permit/License Number
NJDEP, BSF	Commercial Shellfish License	
NJDEP, BSF	Shellfish Lease	(see page 3)
USACE	Nationwide#48/Individual Permit	
NJDEP, DLUR	Coastal Zone Permits	
TIDELANDS	Tidelands License/Riparian Grant	
NJDEP, BMWM	Commercial Shellfish Aquaculture Permit	
NJDEP, BMWM	Hatchery /Nursery Permit	
NJDOH	Certified Dealer	
NJDOH	Wet Storage	
NJDA	Aquatic Farmer License	
NJDEP, BSF	Shellfish Seed Import (Approval Memo)	<input type="checkbox"/> Yes <input type="checkbox"/> No

NJDEP= New Jersey Department of Environmental Protection  
 BSF= Bureau of Shellfisheries  
 DLUR= Division of Land Use Regulation

BMWM= Bureau of Marine Water Monitoring  
 USACE= US Army Corps of Engineers  
 NJDOH= New Jersey Department of Health  
 NJDA= New Jersey Department of Agriculture

# I. General Activity Description

1. Which of the following characterizes your commercial shellfish aquaculture location?

*\*Select ALL that apply.*

- Shellfish Lease     
  Riparian Grant     
  Upland Facility

2. Identify all Shellfish Lease and/or Riparian Grant Locations where aquaculture activities will be conducted. *\*Attach a list of additional lots, if needed.*

Lease Lot or Riparian Owner	Lease Lot Number (Block & Lot for Riparian Grounds)	Lease Lot Section	Estuary/Waterbody

3. A map of your shellfish aquaculture farm must be included with this application. On the map note site boundaries including GPS coordinates and the locations of any structures, including cages, floats, raceways, or tanks.

4. Which best describes your shellfish system? *Select ALL that apply.*

- Bottom Culture (no gear/structure)     
  Cage Culture     
  Rack Culture  
 Tray Culture     
  Floating Bags     
  Floating Cages  
 Spat Collectors     
  FLUPSY  
 Other: \_\_\_\_\_

5. What species are you growing? *Select ALL that apply.*

- Eastern Oyster     
  Hard Clam     
  Blue Mussel     
  Bay Scallop

6. Identify your seed suppliers.

Species	Supplier Name	State	Phone Number

7. Will you be **growing molluscan shellfish past seed size at an approved UPLAND facility?**

This includes growing molluscan shellfish in a **polyculture** (the growing of 2 or more species) system in an upland facility. This is ONLY for an upland facility that will grow bivalve shellfish to market size. (See N.J.A.C. 7:12-1.2 for seed size limitations)

- Yes\*  
 No

*\*IF YES, you MUST contact the NJDEP, BMWM at 609-748-2000 for additional permitting requirements.*

## II. Husbandry

8. Do you perform maintenance & husbandry **on your lease/riparian?**

Yes

No

9. Do you perform maintenance & husbandry **off-site from your lease/riparian?**

Yes

No

10a. Describe your **Maintenance and Husbandry** activities.

*(culling, sorting, washing)*

10b. If using **FLOATING** Gear, describe **bird deterrent** methods &/or equipment.

## III. Harvest

11. Is your harvest **tide-dependent?**

Yes

No

12. If YES, at what point in the tide cycle do you harvest (low, mid, high)?

\_\_\_\_\_

\_\_\_\_\_

13. Describe your **Harvest Activity.**

*(raking, bags onto ATV, cages onto boat)*

## IV. Post-Harvest Handling

14. Approximately how many hours does it take to get your product to a Certified Dealer after harvest? \_\_\_\_\_ hours

15. Are you a Certified Dealer?

- Yes\*                       No

***\*If YES, you must provide a copy of the shellfish certificate issued by the Department of Health pursuant to N.J.A.C. 8:13-1.5.***

16. Are you utilizing wet storage? (*Wet storage is the storage of shellfish from other shellfish growing waters, in a natural or synthetic seawater, to condition, remove sand, or add salt to the shellfish.*)

- Yes                       No

17. Describe your **Post-Harvest Handling** and **Transport to Certified Dealer.**

(*refrigerated truck; icing, shading*)

## V. Production

18. Provide an estimate of **Hatchery &/or Nursery Production** for each species you cultivated in the previous year.

Species	Hatchery Production	Nursery Production
Eastern Oyster		
Hard Clam		
Surf Clam		
Blue Mussel		
Bay Scallop		

19. Will your operation *ONLY* produce molluscan bivalve shellfish?

- Yes  
 No\*

***\*If you are growing organisms in addition to molluscan bivalve shellfish, contact the NJDA, Office of Aquaculture Coordination at 609-292-5532.***

**20. Monthly Production**

The National Shellfish Sanitation Program 2019 Guide for the Control of Molluscan Shellfish requires the collection of monthly harvest data.

**Provide MONTHLY estimates of harvest for the previous calendar year.**

Enter the species common name at the top of the column and enter monthly data below each species, accordingly.

<b>MONTH</b>		<b>SPECIES 2</b>	<b>SPECIES 3</b>
<b>January</b>			
<b>February</b>			
<b>March</b>			
<b>April</b>			
<b>May</b>			
<b>June</b>			
<b>July</b>			
<b>August</b>			
<b>September</b>			
<b>October</b>			
<b>November</b>			
<b>December</b>			
<b><i>TOTAL</i></b>			

*[End Grow Out Questions (sign page 9); Pages 7&8, Hatchery & Nursery ONLY.]*

## VI. Hatchery

**\*\*This page MUST be completed if you operate a Hatchery:** A *Hatchery* is a facility that produces molluscan bivalve seed from broodstock and may grow the seed until movement to approved waters for grow-out (via sale or movement to approved shellfish grounds), provided the seed never grows to a size larger than defined at N.J.A.C. 7:12-1.2.

1. Provide the **water source** for your facility and the **water classification** for that source (according to the most recent Shellfish Growing Water Classification Chart).

Water Source	Water Classification (per BMWW <a href="http://www.nj.gov/dep/bmw">www.nj.gov/dep/bmw</a> )

2. Provide the **number of broodstock** maintained at the hatchery for each species produced.

Species	Number of Broodstock

3. **Where** are the broodstock kept within the hatchery?

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4. **When** are broodstock within the hatchery (provide best estimate dates or months)?

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5. What **security measures** are used to ensure safety of the broodstock within the hatchery?

## VII. Nursery

**\*\*This page MUST be completed if you operate a Nursery:** A *Nursery* can only be used for the grow-out of seed and cannot contain any shellfish above the seed sizes defined at N.J.A.C. 7:12-1.2.

6. Provide the **water source** for your facility and the **water classification** for that source (according to the most recent Shellfish Growing Water Classification Chart).

Water Source	Water Classification (per BMWM <a href="http://www.nj.gov/dep/bmw">www.nj.gov/dep/bmw</a> )

7. Is the nursery in-water?

Yes       No

If YES, provide coordinates: \_\_\_\_\_

8. Is the nursery on land?

Yes       No

If YES, provide address: \_\_\_\_\_

9. Does the nursery utilize **upwellers**- including FLUPSY systems?

Yes       No

*\*IF YES:*

a. How many upwellers are present: \_\_\_\_\_

b. Where are they located: \_\_\_\_\_  
\_\_\_\_\_

10. Does the nursery utilize **downwellers**?

Yes       No

*\*IF YES:*

a. How many downwellers are present: \_\_\_\_\_

b. Where are they located: \_\_\_\_\_  
\_\_\_\_\_

11. Does the nursery utilize **raceways**?

Yes       No

*\*IF YES:*

a. How many raceways are present: \_\_\_\_\_

b. Where are they located: \_\_\_\_\_  
\_\_\_\_\_

12. What other items are present at the nursery facility for the growth of shellfish?



## ACKNOWLEDGMENT

This document is the *formal application* for an Aquatic Farmer License from the New Jersey Department of Agriculture. As of September 19, 2016, the Aquatic Farmer License additionally serves as the Operational Plan for the NJDEP Commercial Shellfish Aquaculture Permit and the Hatchery/Nursery Permit. Depending on the size, nature, and location of the proposed aquaculture operation, additional permits beyond those listed in this application may be required by local, state, and/or federal regulatory agencies.

This Application will identify additional permits and will allow the NJDA to provide assistance in obtaining those permits. I understand that individual permits required by other regulatory authorities may require separate applications.

By signing below, I understand the benefits and requirements of the Aquatic Farmer License and I agree to cooperate with the New Jersey Department of Agriculture in the development of appropriate production information and other data to ensure the growth and well-being of the New Jersey aquaculture industry.

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(Date)

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Applicant's Signature

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Applicant's Name (Print)