# Survey of Catfish Farms in Nigeria

## Catfish farm data

The information provided in this survey will only be for research purpose. This survey aims to collect a mixture of your general information and details of your fish farm operations before COVID-19 and during COVID-19 pandemic. Provision of your personal or farm name is not compulsory but would be appreciated. Thank you.

**Enumerator's Phone Number**

*Kindly provide your mobile contact for communication and clarification.*

**a. Farm ID**

*Use the state code assigned to you (e.g. OY.01)*

**b. Please collect GPS coordinate**

*Ensure the accuracy is one digit (i.e. 9 & below) or very close where impracticable.*

latitude (x.y °)

longitude (x.y °)

altitude (m)

accuracy (m)

**c. Contact person phone number**

**d. State**

- ◯ Oyo
- ◯ Benue
- ◯ Rivers
- ◯ Lagos
- ◯ Kaduna
- ◯ FCT
- ◯ Delta
- ◯ Osun
- ◯ Imo
- ◯ Adamawa
- ◯ Sokoto

**e. Farm Name**

_____

**f. Respondent name**

_____

SECTION 1. PROVIDE PRE-COVID PRODUCTION DATA HERE

_____

**1. Stocking Year**

_____

**2. Date of stocking**

yyyy-mm-dd

_____

**3. Date of Harvest**

yyyy-mm-dd

_____

**4. Number of fingerlings stocked**

*(The term FINGERLING is generic here. It could mean FINGERLING or JUVENILE)*

_____

**5. Average size of fingerling stocked (g)**

*Average size of a single fingerling in grams*

_____

**6. Unit price of fingerlings (Naira)**

_____

**7. Source of fingerlings**

- ◯ On Farm
- ◯ Other farms or hatcheries

**8. Number of ponds stocked**

*Only for the ponds stocked with the specified fingerlings*

_____

**9. Type of pond stocked**

*The specific type of pond stocked with those fingerlings.*

- ◯ Mobile pond (including plastic ponds and collapsible)
- ◯ Earthen pond
- ◯ Concrete pond
- ◯ Cage culture

**10. Cost of pond (Naira)**
**(Provide rental value if leased, rented or cost not known)**

*Cost for the specific pond stocked with those fingerlings.*

_____

**11. Mortalities (Number)**

_____

**12. Pond dimension (Area in square meters)**

*Only for the ponds stocked with the specified fingerlings*

_____

**13. Select at most 3 major feeds used**

*Please select all that apply . If it's not up to 3 just select applicable ones.*

- [ ] Blue crown
- [ ] CHI
- [ ] Ecofloat
- [ ] Skretting
- [ ] Top Feed
- [ ] Vital Feed
- [ ] Aqualis
- [ ] Prime
- [ ] Aller Aqua
- [ ] Raanan
- [ ] Aquamax
- [ ] Acefeed
- [ ] Coppens
- [ ] Dickem
- [ ] Other commercial feeds
- [ ] Compounded/ Local Feed

**14. If compounded feed or locally produced feed was selected, for how many days was it used in feeding?**

*Your answer should be provided in days. If the farmer provide months, you can convert it to days.*

_____

**15. Total feed quantity (Bags)**

*This should include value of compounded feed if used.*

_____

**16. Total feed quantity (Kg)**

*This should include value of compounded feed if used.*

_____

**17. Total cost of feed (Naira)**

*This should include value of compounded feed if used.*

_____

**18. Manure or fertilizer used (kg)**

_____

**19. Price of manure or fertilizer (Naira)**

_____

**20. Cost of water supply (Naira)**
*(This may be cost of pumping water or water purchase)*

_____

**21. Cost of electricity (Naira)**

_____

**22. Cost of generator fuel (Naira)**

_____

**23. Cost of treatment (Naira)(antibiotics/ probiotics/ salts)**

_____

**24. Cost of nutrient booster (Naira)**

_____

**25. Maintenance and repairs (Naira)**

_____

**26. Total harvest (kg)**

_____

**27. Quantity reserved from harvest (kg)**

_____

**28. Average weight of majority (kg)**
*(i.e. Average weight of one fish)*

_____

**29. Total sale value (Naira)**
*Total amount of revenue from fish sale.*

_____

**30. Have you produced since the COVID-19 period?**

- ◯ Yes
- ◯ No

SECTION 2. PROVIDE COVID-19 PERIOD PRODUCTION DATA HERE

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**1. Stocking Year**

_____

**2. Date of stocking**

yyyy-mm-dd

_____

**3. Date of Harvest**

yyyy-mm-dd

_____

**4. Number of fingerlings stocked**

*(The term FINGERLING is generic here. It could mean FINGERLING or JUVENILE)*

_____

**5. Average size of fingerling stocked (g)**

*Average size of a single fingerling in grams*

_____

**6. Unit price of fingerlings (Naira)**

_____

**7. Source of fingerlings**

- ◯ On Farm
- ◯ Other farms or hatcheries

**8. Number of ponds stocked**

*Only for the ponds stocked with the specified fingerlings*

_____

**9. Type of pond stocked**

*The specific type of pond stocked with those fingerlings.*

- ◯ Mobile pond (including plastic ponds and collapsible)
- ◯ Earthen pond
- ◯ Concrete pond
- ◯ Cage culture

**10. Cost of pond (Naira)**
**(Provide rental value if leased, rented or cost not known)**

*Cost for the specific pond stocked with those fingerlings.*

_____

**11. Mortalities (Number)**

_____

**12. Pond dimension (Area in square meters)**

*Only for the ponds stocked with the specified fingerlings*

_____

**13. Select at most 3 major feeds used**

*Please select all that apply . If it's not up to 3 just select as it applies.*

- ☐ Blue crown
- ☐ CHI
- ☐ Ecofloat
- ☐ Skretting
- ☐ Top Feed
- ☐ Vital Feed
- ☐ Aqualis
- ☐ Prime
- ☐ Aller Aqua
- ☐ Raanan
- ☐ Aquamax
- ☐ Acefeed
- ☐ Coppens
- ☐ Dickem
- ☐ Other commercial feeds
- ☐ Compounded/ Local Feed

**14. If compounded feed or locally produced feed was selected, for how many days was it used in feeding?**

*Your answer should be provided in days. If the farmer provide months, you can convert it to days.*

_____

**15. Total feed quantity (Bags)**

*This should include value of compounded feed if used.*

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**16. Total feed quantity (Kg)**

*This should include value of compounded feed if used.*

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**17. Total cost of feed (Naira)**

*This should include value of compounded feed if used.*

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**18. Manure or fertilizer used (kg)**

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**19. Price of manure or fertilizer (Naira)**

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**20. Cost of water supply (Naira)**

*(This may be cost of pumping water or water purchase)*

_____

**21. Cost of electricity (Naira)**

_____

**22. Cost of generator fuel (Naira)**

_____

**23. Cost of treatment (Naira)(antibiotics/ probiotics/ salts)**

_____

**24. Cost of nutrient booster (Naira)**

_____

**25. Maintenance and repairs (Naira)**

_____

**26. Total harvest (kg)**

_____

**27. Quantity reserved from harvest (kg)**

_____

**28. Average weight of majority (kg)**

*(i.e. Average weight of one fish)*

_____

**29. Total sale value (Naira)**

*Total amount of revenue from fish sale.*

_____

**30. In what way did the COVID-19 affected your operation?**

*Please select all that apply.*

- [ ] Reduced production quantity
- [ ] Reduced demand (reduced sales and market)
- [ ] Reduced profit margin
- [ ] No profit made (It resulted in loss)
- [ ] Not affected at all

SECTION 3. PROVIDE LABOUR AND MANAGEMENT DATA

_____

**1. Wages: Farm manager (Naira)**

*Provide a MONTHLY amount of the labour cost. Estimate the monthly cost if not provided directly.*

_____

**2. Wages: Security (Naira)**

*Provide a MONTHLY amount of the labour cost. Estimate the monthly cost if not provided directly.*

_____

**3. Wages: Attendants/Casuals (Naira)**

*Provide a MONTHLY amount of the labour cost. Estimate the monthly cost if not provided directly.*

_____

**4. Wages: Other personnel (Naira)**

*Provide a MONTHLY amount of the labour cost. Estimate the monthly cost if not provided directly.*

_____

**5. Total number of workers**

_____

**6. Do the workers have other responsibilities aside from attending to the fish farming?**

- ◯ Yes
- ◯ No

**7. How best can we describe the nature of the labour?**

- ◯ Household/family labour (Unpaid)
- ◯ Household/family labour (Paid)
- ◯ External individual/ labour (Paid)
- ◯ Combinations of the above

**8. Select farm type**

- ◯ Homestead
- ◯ Cluster
- ◯ Farm Site (farm outside owner's home but not cluster)

**9. Average annual production from farm (Kilograms)**

_____

**10. Select farm category based on total yearly (annual) production.**

*Note that if the farm mainly uses mobile tanks or collapsible ponds, you can categorize as Concrete.*

- ◯ MicroSmall-Concrete-Owned (<5tons)
- ◯ MicroSmall-Earthen-Owned (<5tons)
- ◯ MicroSmall-Earthen-Leased (<5tons)
- ◯ Small-Concrete-Owned (5-10tons)
- ◯ Small-Earthen-Owned (5-10tons)
- ◯ Small-Earthen-Leased (5-10tons)
- ◯ Medium-Concrete-Owned (11-15tons)
- ◯ Medium-Earthen-Owned (11-15tons)
- ◯ Medium-Earthen-Leased (11-15tons)
- ◯ Large (15-50tons)

**11. Cycles of production in a year.**

- ◯ 1 Cycle
- ◯ 2 Cycles
- ◯ 3 Cycles
- ◯ 4 Cycles
- ◯ 5 Cycles and above

**12. Select the MAIN product form in which you sell your fish**

*Please select one*

- ◯ Live or Fresh
- ◯ Frozen
- ◯ Smoked
- ◯ Others product form

**13. Select OTHER product forms in which you sell your fish**

*Please select all that apply.*

- ☐ Live or Fresh
- ☐ Frozen
- ☐ Smoked
- ☐ Others product form

**14. Select one major type of market for your product**

- ◯ Retailers
- ◯ Wholesalers (Bulk buyers)
- ◯ Restaurants, Eateries or Hotels
- ◯ Individuals
- ◯ Processors

SECTION 4. SOCIOECONOMIC DATA

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**1. Gender**

*Just select the right option without asking the respondent.*

- ◯ Male
- ◯ Female

**2. Pond types used by the farmer.**

*You can select more than one if applicable.*

- ☐ Mobile pond (including plastic ponds and collapsible)
- ☐ Earthen pond
- ☐ Concrete pond
- ☐ Cage culture

**3. Age Range (Year)**

- ◯ <=30
- ◯ 31-40
- ◯ 41-50
- ◯ 51-60
- ◯ >60

**4. Education**

- ◯ None
- ◯ Arabic
- ◯ Primary
- ◯ Secondary
- ◯ ND/NCE
- ◯ Degree
- ◯ MSC Above(Grad-studies)

**5. Main Occupation**

- ◯ Civil Servant
- ◯ Fish Farming
- ◯ Other Agric Ventures
- ◯ Employed in a private organization
- ◯ Personal Business
- ◯ Others

**6. Household size**

- ◯ <=5
- ◯ 6-10
- ◯ 11-15
- ◯ >16

**7. Fish Farming Experience**

- ◯ <=5
- ◯ 6-10
- ◯ 11-15
- ◯ >16

**8. Source of Technical Support**

*Where the farmer gain knowledge and assistance from. Please select all that apply.*

- ☐ Extension Agent
- ☐ Other Farmers
- ☐ Social Media
- ☐ Training Courses

**9. Constraint**

*Please select all that apply*

- ☐ Animal Interference
- ☐ Fish Feed Quality
- ☐ Inadequate Technical Knowledge
- ☐ Marketing
- ☐ Poor Fish Performance
- ☐ Fish Feed Cost

**10. Water Supply Source**

*Please select all that apply*

- [ ] Borehole
- [ ] Spring (Underground)
- [ ] Stream or River
- [ ] Well

**11. Ownership status of pond**

- ◯ Owned
- ◯ Rented/Leased

**12. Record keeping of farm activities**

- ◯ All farm records (input quantities, finance, feed used etc.)
- ◯ Only financials

**13. Production technique**

- ◯ Stagnant water
- ◯ Continuous flow through
- ◯ Water change at intervals

**14. How many fish farms have stopped operating (no longer farming) in your area in recent years that you know?**

*If none, type 0.*

_____

**15. What were the reasons?**

*You can type out the reasons in few words. Separate by comma if the reasons are more.*

_____

**Farm picture**

*Please provide a good shot of the farm with permission from the owner.*

Click here to upload file. (< 5MB)

**Enumerator's Comment**

*Kindly provide additional information about the data that can help in understanding the data better for analysis.*

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