

PESCAT Descriptive Worksheet

for Food Fish Enterprises

General Information

Producer I.D. (eight character code)	
Food fish enterprise fiscal year beginning month	
Food fish enterprise state	
Food fish enterprise region of state	
Average annual precipitation - (inches)	
Annual precipitation - reporting year (inches)	
Water source	<input type="checkbox"/> well <input type="checkbox"/> river <input type="checkbox"/> lake <input type="checkbox"/> other
Pond types	% levee _____ % watershed _____

Farm Size and Scope

Total food fish enterprise pond acres	
Total number of food fish ponds	
Multiple farms	<input type="checkbox"/> yes <input type="checkbox"/> no
Other fish enterprise(s)	<input type="checkbox"/> fingerling <input type="checkbox"/> fee <input type="checkbox"/> fishing <input type="checkbox"/> other

Production Practices

Production method	<input type="checkbox"/> single <input type="checkbox"/> batch <input type="checkbox"/> multi-batch <input type="checkbox"/> cages <input type="checkbox"/> other
Custom harvest use	%
On-farm / self harvest	%
Feeding frequency during peak production (times/day)	
Do you limit feeding during peak production periods?	<input type="checkbox"/> yes <input type="checkbox"/> no
Feed during winter months	<input type="checkbox"/> yes <input type="checkbox"/> no

Financial and Marketing Structure

Business organization	<input type="checkbox"/> corp. <input type="checkbox"/> partnership <input type="checkbox"/> sole proprietor <input type="checkbox"/> s-corp.
Food Fish gross revenue as % of total farm gross revenue	%
Season Food Fish marketed	<input type="checkbox"/> fall <input type="checkbox"/> winter <input type="checkbox"/> spring <input type="checkbox"/> summer <input type="checkbox"/> year-round
Number of times marketed per year	<input type="checkbox"/> <10 <input type="checkbox"/> 10-24 <input type="checkbox"/> 25-49 <input type="checkbox"/> 50-74 <input type="checkbox"/> 75-99 <input type="checkbox"/> >100

PESCAT Measure Summary Worksheets

Food Fish Enterprise

* (Shaded areas represent PESCAT measures)

PRODUCTION WORKSHEET

	Number	Pounds (lbs)
Food Fish Ending Inventory	a _____	b _____
Food Fish Harvested	c _____	d _____
Food Fish Beginning Inventory	e _____	f _____
Food Fish Stocked	g _____	h _____
Food Fish Docked	i _____	j _____
Food Fish Produced (b+d-f-h-j)		k _____

1. Production Rate (lbs/acre)

Food Fish Production Acres	l _____	
* Production Rate $k \div l$		<div style="border: 1px solid black; width: 80px; height: 20px; background-color: #cccccc;"></div>

2. Survival Rate (%survival)

* Survival Rate $[(a+c) \div (e+g)] \times 100$		<div style="border: 1px solid black; width: 80px; height: 20px; background-color: #cccccc;"></div>
---	--	--

3. Average Daily Feeding Rate (lbs/acre/day)

lbs Food Fish Feed Fed	m _____	
Food Fish Production Acres	l _____	
* Average Daily Feeding Rate $m \div (l \times 365)$		<div style="border: 1px solid black; width: 80px; height: 20px; background-color: #cccccc;"></div>

4. Feed Conversion Rate (lbs fed/lb gain)

lbs Food Fish Feed Fed	m _____	
lbs Produced	k _____	
* Feed Conversion Rate $m \div k$		<div style="border: 1px solid black; width: 80px; height: 20px; background-color: #cccccc;"></div>

5. Water Volume Pumped Per Production Acre (acre-feet/acre)

Acre-Feet of New Water Pumped	n _____	
Food Fish Production Acres	l _____	
* Water Volume Pumped Per Production Acre $n \div l$		<div style="border: 1px solid black; width: 80px; height: 20px; background-color: #cccccc;"></div>

6. Water Use Efficiency (lbs/acre-feet)

lbs Produced $\frac{k}{\quad}$
Acre-Feet of New Water Pumped $\frac{n}{\quad}$

* Water Use Efficiency $k \div n$

7. Electrical Energy Use Efficiency (lbs/Kw-hour)

lbs Produced $\frac{k}{\quad}$
Kilowatt-Hours of Electrical Energy Used $\frac{o}{\quad}$

* Electrical Energy Use Efficiency $k \div o$

8. Fossil Fuel Energy Use Efficiency (lbs/gal)

lbs Produced $\frac{k}{\quad}$
Gallons of Fossil Fuel Used $\frac{p}{\quad}$

* Fossil Fuel Energy Use Efficiency $k \div p$

9. Aeration Efficiency (lbs/hp-hour)

lbs Produced $\frac{k}{\quad}$
Horsepower-Hours of Aeration $\frac{q}{\quad}$

* Aeration Efficiency $k \div q$

10. Labor Efficiency (lbs/hour)

lbs Produced $\frac{k}{\quad}$
Labor Hours $\frac{r}{\quad}$

* Labor Efficiency $k \div r$

MARKETING WORKSHEET

11. Average Value of Purchased Fish (\$/lb)

Cash + Non-Cash Value of Purchased Fish A
 lbs Fish Purchased B

* Average Value of Purchased Fish $A \div B$

12. Average Payweight Value of Food Fish (\$/lb)

Cash + Non-Cash Value of Purchased Fish C
 lbs Food Fish Harvested D
 lbs Food Fish Docked E

* Average Payweight Value of Food Fish $C \div (D-E)$

13. Docking Rate (%of harvest)

lbs Food Fish Docked E
 lbs Food Fish Harvested D

* Docking Rate $(E \div D) \times 100$

14. Off-flavor Frequency (incidents/pond)

Off-flavor Incidents F
 Food Fish Production Ponds G

* Off-flavor Frequency $F \div G$

15. Size Distributions (%of total)

Number Food Fish:

2-3"

4-5"

Small Stockers

Large Stockers

Small Food Size

Medium Food Size

Large Food Size

Total

Stocked	%H	Harvested	%I
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<u>H</u>		<u>I</u>	

FINANCIAL WORKSHEET (Balance Sheet)

Food Fish Enterprise Acres

J _____	
Cost	Market

16. Investment Per Pond Acre (\$/acre)

Total Assets	K _____	L _____
--------------	---------	---------

* Investment Per Pond Acre $K \div J$ or $L \div J$	<input style="width: 100%;" type="text"/>	<input style="width: 100%;" type="text"/>
---	---	---

17. Debt Per Pond Acre (\$/acre)

Total Liabilities	M _____	N _____
-------------------	---------	---------

* Debt Per Pond Acre $M \div J$ or $N \div J$	<input style="width: 100%;" type="text"/>	<input style="width: 100%;" type="text"/>
---	---	---

18. Debt to Assets Ratio (debt/assets)

Total Liabilities	M _____	N _____
-------------------	---------	---------

Total Assets	K _____	L _____
--------------	---------	---------

* Debt to Assets Ratio $M \div K$ or $N \div L$	<input style="width: 100%;" type="text"/>	<input style="width: 100%;" type="text"/>
---	---	---

19. Equity to Assets Ratio (equity/assets)

Total Equity	O _____	P _____
--------------	---------	---------

Total Assets	K _____	L _____
--------------	---------	---------

* Equity to Assets Ratio $O \div K$ or $P \div L$	<input style="width: 100%;" type="text"/>	<input style="width: 100%;" type="text"/>
---	---	---

20. Percent Return on Assets (ROA)

Net Pre-tax Income	O _____
--------------------	---------

Total Interest Expense	R _____
------------------------	---------

Value of Unpaid Labor and Management	S _____
--------------------------------------	---------

Average Assets	T _____	U _____
----------------	---------	---------

* Percent Return on Assets $(O+R-S) \div T$ or $(O+R-S) \div U$	<input style="width: 100%;" type="text"/>	<input style="width: 100%;" type="text"/>
---	---	---

21. Percent Return on Equity (ROE)

Net Pre-tax Income	Q _____
--------------------	---------

Value of Unpaid Labor and Management	S _____
--------------------------------------	---------

Average Equity	V _____	W _____
----------------	---------	---------

* Percent Return on Equity $(Q-S) \div V$ or $(Q-S) \div W$

--	--

FINANCIAL WORKSHEET (Income Statement)

lbs Produced

k

Total Opportunity Cost

X

Financial

Economic

22. Gross Revenue Per lb Produced

Gross Revenues from Operations

Y

* Gross Revenue Per lb Produced $Y \div k$

--

23. Operating Expense/Cost Per lb Produced

Total Operating Expenses

Z

* Operating Expense/Cost Per lb Produced
 $Z \div k$ or $(Z+X) \div k$

--	--

24. Interest Expense Per lb Produced

Total Interest Expense

R

* Interest Expense Per lb Produced $R \div k$

--

24. Total Expense/Cost Per lb Produced

Total Expense

AA

* Total Expense/Cost Per lb Produced $AA \div k$ or
 $(AA+X) \div k$

--	--

25. Net Pre-tax Income Per lb Produced

Net Pre-tax Income

Q

* Net Pre-tax Income Per lb Produced $Q \div k$ or $(Q-X) \div k$

26. Interest Expense & Economic Return Per lb Produced (\$/lb)

Cash Interest Paid on Short-term Notes	<u>BB</u>
Cash Interest Paid on Non-Real Estate Debt	<u>CC</u>
+/- Change in Interest Payable on Short-term Notes	<u>DD</u>
+/- Change in Interest Payable on Non-Real Estate Debt	<u>EE</u>
Total Non-Real Estate Market Value Equity x 3-Month T-Bill Rate	<u>FF</u>

* Interest Expense & Economic Return Per lb Produced $(BB..FF) \div k$

27. Adjusted Total Pre-tax Expense/Cost Per lb Produced

Total Operating Expenses	<u>Z</u>
Total Interest Expense	<u>R</u>
Revenue from Sale of Other Species	<u>GG</u>

* Adjusted Total Pre-tax Expense/Cost Per lb Produced
 $(Z+R-GG) \div k$ or $(Z+R-GG+X) \div k$

28. Revenue from Other Species as Percent of Total Sales

Revenue from Sale of Other Species	<u>GG</u>
Gross Revenues from Operations	<u>Y</u>

* Revenue from Other Species as Percent of Total Sales $(GG \div Y) \times 100$