R **Pond instructions**

1 Ask the farmer to draw a diagram of all the ponds in their holdings

2 Ask the farmer to note the area of each pond on the diagram

3 If the farm has more than one growout pond, choose the largest pond currently operated by the household as the 'sample' growout pond.
If the farm has several growpout ponds of the same size and none is larger than the others, select one of these as the 'sample growout pond'

4 Identify the sample growout pond on the map

R1. LIST OF PONDS

R100A Did this farm spawn fish to produce hatchlings (i.e. did it operate a hatchery), within the last 12 months? 1 Yes, 2 No |___| 2 >> R100

R100B How many hatchlings did it produce within the last 12 months? 1 Yes, 2 No |___|

R100C Were any of the seed produced by the hatchery sold? 1 Yes, 2 No |___|

R100		R101		R102	R103	R104	R105	R106	R107
No.	Type of Pond (current main usage)	What is the area of this pond?		What year was it constucted?	Is this pond integrated with poultry?	How many operational poultry houses are there on this pond?	Was the pond flood affected during the last 12 months?	Was the yield from the pond lower than usual because of this flooding?	How much lower?
	1 Growout pond 2 Nursery pond 3 Combined nursery/growout 4 Domestic use (no fish stocked) 5 Domestic use (fish stocked) 6 Broodstock pond 99 Other (specify)	NUMBER	UNIT 1 Acre 99 Other (Specify)	YYYY	1 Yes 2 No >> R105	NUMBER	1 YES 2 NO >> NEXT ITEM	1 YES 2 NO 98 NA 2 or 98 >> NEXT ITEM	%
101									
102									
103									
104									
105									
106									
107									
108									
109									
110									
111									
112									
113									
114									
115									
116									
117									
118									
119									
120									

S NURSERY CROPPING CALENDAR

SA Does the farm have one or more ponds used for nursing? 1 Yes, 2 No |___| 2 >> Module T1

SB Did you sell any of the seed produced in the nursery pond/s during the last 12 months? 1 Yes, 2 No |___|, 2 >> Module T1

Ask in which months ponds in the nursery were stocked (indicate with 'S'),

Ask in which months ponds in the nursery were harvested (indicate with 'H')

Burmese Month	Ka Hsone	Na Yone	Wa So	Wa Gaung	Taw Tha Lin	Thi Din Gyut	Da Suang Mone	Na Daw	Pyar Tho	Da Bo Dwe	Da Baung	Da Gu	Ka Hsone	Na Yone	Wa So	Wa Gaung	Taw Tha Lin	Thi Din Gyut	Da Suang Mone	Na Daw	Pyar Tho	Da Bo Dwe	Da Baung	Da Gu	Ka Hsone
Month	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5
Year	14	14	14	14	14	14	14	14	15	15	15	15	15	15	15	15	15	15	15	15	16	16	16	16	16
Stocked																									
Harvested																									

S1. COMMERCIAL NURSERY - STOCKING & USE OF SEED

S100A When was the first time you stocked your nursery during the last 12 months? Month |___|, Year |___|

S100B When was the last time you harvested and sold fish from your nursery during the last 12 months? Month |___|, Year |___|

NOTE: These questions refer to all commercial nursery ponds on the farm, and to the period between first stocking and last harvest, as defined in S100A & S100B

S100		S101	S102		S103	S104		S105	S106
Species stocked		Did you stock [..species..] during last season?	Quantity stocked during last season		Average size of [..species..] at stocking	Total cost of stocking [..species..] in the sample pond		From who did you obtain [..species..]?	Location of [..S105..]
	CODE	1 Yes 2 No >> NEXT ITEM	AMOUNT	UNIT 1 Piece 2 Thousand 3 Lakh 4 Viss 5 Kg 99 Other (specify)	CODE 1 Hatchling 2. <1" 3. 1-3" 4. 3-5" 5. 5-7" 6. 7-10" 7. >10"	AMOUNT	UNIT 1 Kyat 2 Lakh Kyat	1 Fingerling trader 2 Own nursery pond 3 Private nursery 4 Own hatchery 5 Private hatchery 6 Caught from river 7 NGO 8 Multiple sources	1 This village 2 This village tract 3 Neighboring village tract 4 Nearest town 5 Yangon city 6 Other township (Specify) 7 Other region (Specify)
Nga Myitchin	1								
Nga Gyinn Pyu	2								
Nga Guang Pwa	3								
Nga Dan	4								
Nga Mote	5								
Nga Ku	6								
Mixed carp species	7								
Other (Specify)	99								
Other (Specify)	99								
Other (Specify)	99								

S3. COMMERCIAL NURSERY - USE & DISTRBUTION OF SEED

NOTE: These questions refer to all commercial nursery ponds on the farm, and to the period between first stocking and last harvest, as defined in S100A & S100B

S200		S201	S202		S203		S204	S205	S206	S207	S208	S209		S210		S211	S212	
Species ☑		Did you sell any of [..species..] last season?	Total quantity sold last season		Total sales value last season		Average size when sold	Main type of buyer	Location of main buyer	Did you retain any [..species..] on your farm after the end of last season?	Average size of [..species..] when retained	Quantity of [..species..] when retained		Estimated average value per [..unit..] of [..species..] when retained		When do you expect to harvest [..species..]?	Expected or actual value of [..species..] when harvested	
	CODE	1 Yes 2 No >> S207	AMOUNT	UNIT 1 piece 2 thousand 3 lakh 4 viss 5 Kg 99 Other (specify)	AMOUNT	UNIT 1 Kyat 2 Lakh Kyat	CODE 1 <1" 2. 1" 3. 1-3" 4. 3-5" 5. 5-7" 6. 7-10" 7. >10"	CODE 1 Small commercial nursery 2 Large commercial nursery 3 Small/medium growout farm 4 Large growout farm 5 Seed trader 99 Other (Specify)	CODE 1 This village 2 This village tract 3 Neighboring village tract 4 Nearest town 5 Yangon city 6 Other township (Specify) 7 Other region (Specify)	1 Yes 2No >> NEXT ITEM	CODE 1 <1" 2. 1" 3. 1-3" 4. 3-5" 5. 5-7" 6. 7-10" 7. >10"	AMOUNT	UNIT 1 piece 2 thousand 3 lakh 4 viss 5 Kg 99 Other (specify)	AMOUNT	UNIT 1 Kyat 2 Lakh Kyat	MM/YY	AMOUNT	UNIT 1 Kyat 2 Lakh Kyat
Nga Myitchin	1																	
Nga Gyinn Pyu	2																	
Nga Guang Pwa	3																	
Nga Dan	4																	
Nga Mote	5																	
Nga Ku	6																	
Mixed carp species	7																	
Other (Specify)	99																	
Other (Specify)	99																	
Other (Specify)	99																	

These questions refer to all commercial nursery ponds on the farm, and to the period between first stocking and last harvest, as defined in S100A & S100B

S300		S301		S302	S303			S304	S305
Input used		What was the quantity of [..input..] used?		How did you obtain this [.input.]?	What was the value of [..input..]?			Where did you obtain [..input..]	From what source did you obtain [..input..]?
	CODE	AMOUNT	UNIT 1 Bag 2 Viss 3 KG 4 Litre 5 Bottle 6 Gallon 7 Total 99 Other (Specify) 98 NA	1 Purchased 2 Own production >> NEXT INPUT 99 Other (Specify)	AMOUNT	UNIT 1 Kyat 2 Lakh Kyat	UNIT 1 Bag 2 Viss 3 KG 4 Litre 5 Bottle 6 Gallon 7 Total 99 Other (Specify) 98 NA	1 This village 2 This village tract 3 Neighboring village tract 4 Nearest town 5 Yangon city 6 Other township (Specify) 7 Other region (Specify)	1 Trader in market 2 Trader without fixed premises 3 Agricultural input dealer 4 Fish Feed company 5 Rice / oil mill 6 Own production 7 Other farmer 8 Government staff 9 Friends/Relatives 99 Other, spec.
Pesticide (specify name)	1								
Lime	2								
Salt	3								
Antibiotics (specify name)	4								
Other medicine (specify name)	5								
Manure (specify)	6								
Urea	7								
T-Super	8								
Other fertilizer (specify)	9								
Fuel for draining & refilling ponds	10								
Fuel for exchanging or topping up water	11								
Other non-feed pond input (specify)	12								
Rice bran	13								
Peanut oilcake	14								
Other oilcake (specify)	15								
Sinking feed (pellet)	16								
Floating feed (pellet)	17								
Other feed (specify)	18								
Other feed (specify)	19								

S4. LONG TERM LABOR (COMMERCIAL NURSERY)

S400A. Did you hire labor for your commercial nursery ponds on a long term basis during the last 12 months?

1-YES 2-NO |___| >> MODULE T

NOTE: List details of permanent/seasonal labour for sample pond

S400	S401	S402		S403			S404		S405	S406	S407	S408	S409	S410
Worker type	How many of the following type of long term workers did you employ during the last 12 months?	How long did you employ them for during the last 12 months?		How much did you pay them?			What was the total value of transport, meals and gifts paid to them in the last 12 months?		Did you provide lodging?	Where did most of these workers come from?	Have they settled permanently in this village?	How many have settled here permanently?	Did [..laborer..] work any other ponds other than the commerical nursery ponds	What was the total area of ponds worked by [..laborer..]?
0 >>NEXT Line	NUMBER	NUMBER	UNIT 1 Days 2 Weeks 3 Months 4 Season	AMOUNT	UNIT 1 Kyat 2 Lakh Kyat	UNIT 1 Day 2 Week 3 Month 4 Season	AMOUNT	UNIT 1 Kyat 2 Lakh Kyat	1 YES 2 NO	**SEE CODES ON RIGHT**	1 YES 2 NO>>S409	number	1 YES 2 NO >> NEXT ITEM	ACRES
Husband & wife team (hired together)														
Women (individual)														
Men (individual)														

CODE S406

1 This village
2 This village tract
3 Neighboring village tract
4 Nearest town
5 Yangon city
6 Other township (Specify)
7 Other region (Specify)

S5. COMMERCIAL NURSERY - FAMILY & HIRED CASUAL LABOUR

List details of labour used for all commercial nursery ponds during the last season

S500		S501					S502	S503		S504				S505	S506
Activity	CODE		Hours/Days Labour in last season				Paid by:	DAILY RATE		PIECE RATE					
			Men		Women			Men	Women	AMOUNT	UNIT	NUMBER OF UNITS	THIS AMOUNT IS FOR:		
		Labor Type 1 Family 2 Hired	Days/ person	No. persons	Days/ person	No. persons	1 Daily rate 2 Piece-rate >> S504 3 Unpaid >> S505	KYAT/DAY >> S505		KYAT	1 Acre 2 Pond 3 Basket 4 Sack 99 Other (Specify)	NUMBER	1 Each person 2 All	Other payments (meals, transport etc) KYAT	Where did the majority of the temporay hired labour that you employed originate from? CODE
Pond construction or repair	1														
	1														
Buying fish seed or stocking fish seed into the pond	2														
	2														
Grading seed in nursery	3														
	3														
Buying/transporting/hauling fish feed to the farm	4														
	4														
Feeding fish	5														
	5														
Guarding ponds	6														
	6														
Selling or transporing fish seed from nursery to customer	7														
	7														
Other _____	99														
	99														

CODE M506
1 This village
2 This village tract
3 Neighboring village tract
4 Nearest town
5 Yangon city
6 Other township in this region (Specify)
7 Other region (Specify)
97 DK

T. CROPPING CALENDAR - GROWOUT

T00A Does this farm have one or more growout ponds? 1 Yes, 2 No |___| 2 >> U1

Ask in which months the sample growout pond was stocked (indicate with 'S'), and in which months each pond was harvested (indicate with 'H') within the last **36 months**

Talk to the informant to indentify the begininning and end of the last complete production cycle.

A production cycle finishes when all of the main species in the pond has been harvested

A production cycle begins when the pond is restocked after the main species in the pond has been harvested

All questions in the following modules relate to the costs and returns from the most recently completed full production cycle

Burmese Month	Ka Hsone	Na Yone	Wa So	Wa Gaung	Taw Tha Lin	Thi Din Gyut	Da Suang Mone	Na Daw	Pyar Tho	Da Bo Dwe	Da Baung	Da Gu	Ka Hsone	Na Yone	Wa So	Wa Gaung	Taw Tha Lin	Thi Din Gyut	Da Suang Mone	Na Daw	Pyar Tho	Da Bo Dwe	Da Baung	Da Gu	Ka Hsone	Na Yone	Wa So	Wa Gaung	Taw Tha Lin	Thi Din Gyut	Da Suang Mone	Na Daw	Pyar Tho	Da Bo Dwe	Da Baung	Da Gu	Ka Hsone
Month	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5
Year	13	13	13	13	13	13	13	13	14	14	14	14	14	14	14	14	14	14	14	14	15	15	15	15	15	15	15	15	15	15	15	15	16	16	16	16	16
Stocked																																					
Harvested																																					

T1. GROWOUT - OCCASIONAL COSTS

T100A What is the number of the sample pond [R100]? |____|

T100B Is the sample growout pond integrated with a poultry feedlot? 1 Yes, 2 No |___|

NOTE: Remind the informant: all questions in this module relate to the last production cycle in the sample growout pond,

T100	T101	T102		T103	T104	T105		T106	T107		T108		T109	
What year was the sample pond constructed?	Construction method	How much did the construction cost?		When was the sample pond last repaired?	What was the repair method?	How much did the repair cost?		When was the last time this pond was completely drained?	How much did it cost to drain?		How long did it remain empty for?		How much did it cost to refill?	
YYYY	1 Manual 2 Mechanized 3 Manual & mechanized	AMOUNT	UNIT 1 Kyat 2 Lakh Kyat	YYYY	1 Manual 2 Mechanized 3 Manual & mechanized	AMOUNT	UNIT 1 Kyat 2 Lakh Kyat	MM/YY	AMOUNT	UNIT 1 Kyat 2 Lakh Kyat	AMOUNT	1 Days 2 Weeks 3 Months 99 Other	AMOUNT	UNIT 1 Kyat 2 Lakh Kyat

T2. GROWOUT PONDS (STOCKING)

T200A When did the last complete production cycle in the sample pond begin? Month |___|, Year |___|

T200B When did the last complete production cycle in the sample pond end? Month |___|, Year |___|

NOTE: Remind the informant: all questions in this module relate to the last complete production cycle in the sample growout pond,

T200		T201	T202	T203	T204		T205	T206		T207		T208		T209	T210	T211
Species stocked		Did you stock [..species..] during last season?	When was the first year you farmed [..species..]?	What was the source of seed for [..species..] that you stocked this year?	Quantity of [..species..] stocked in last season originating from from **own nursery**		Average size at stocking	What was the estimated cost of producing [..species..] in your own nursery?		Quantity of [..species..] stocked in last season from **sources other than own nursery**		What was the average cost of [..species..] per [..unit..]		What was the average size at stocking	From who did you obtain [..species..]?	Location of [..T210..]
	CODE	1 Yes 2 No >> NEXT ITEM	YYYY 97 D/K	1 Own nursery 2 Own nursery & other source 3 Source other than own nursery 3 >> T207	NUMBER	UNIT 1 piece 2 thousand 3 lakh 4 viss 5 kg 99 Other (specify) 98 N/A	CODE 1 Hatchling 2. <1" 3. 1-3" 4. 3-5" 5. 5-7" 6. 7-10" 7. >10"	AMOUNT 97 D/K 98 NA	UNIT 1 Kyat 2 Lakh Kyat	NUMBER 98 NA 98 >> NEXT ITEM	UNIT 1 piece 2 thousand 3 lakh 4 viss 5 kg 99 Other (specify) 98 N/A	AMOUNT	UNIT 1 Kyat 2 Lakh Kyat	CODE 1 Hatchling 2. <1" 3. 1-3" 4. 3-5" 5. 5-7" 6. 7-10" 7. >10"	SEE CODE ON RIGHT	1 This village 2 This village tract 3 Neighboring village tract 4 Nearest town 5 Yangon city 6 Other township (Specify) 7 Other region (Specify) 98 NA
Nga Myitchin	1															
Nga Gyinn Pyu	2															
Nga Guang Pwa	3															
Nga Dan	4															
Nga Mote	5															
Nga Ku	6															
Mixed carp species	7															
Tilapia	8															
Other (Specify)	99															
Other (Specify)	99															
Other (Specify)	99															

CODE J002

1 Fingerling trader
2 Own nursery pond
3 Private Nursery
4 Own hatchery
5 DOF hatchery (Specify)
6 Private hatchery
7 Caught from river
8 NGO
9 Multiple sources (specify)
99 Other (specify)

T3. GROWOUT (NON-FEED INPUTS)

NOTE: Remind the informant: all questions in this module relate to the last complete production cycle in the sample growout pond,

NOTE: Manure from poultry feedlots over the sample pond are not considered as inputs here

T300		T301	T302		T303			T304	T305
Input	CODE	Did you use [..input..] during last production cycle? 1 Yes 2 No >> NEXT ITEM	What was the quantity of [..input..] used during the last production cycle AMOUNT	UNIT 1 Bag 2 Viss 3 KG 4 Litre 5 Bottle 6 Gallon 99 Other (Specify)	What was the value of [..input..]? AMOUNT	UNIT 1 Kyat 2 Lakh Kyat	PER.. 1 Bag 2 Viss 3 KG 4 Litre 5 Bottle 6 Gallon 7 Total 99 Other (Specify) 98 N/A	Where did you obtain from [..input..] 1 This village 2 Another village in this village tract 3 Nearest town/city (Specify) 4 Yangon 5 Another township (specify) 6 Another region/st (Specify) 7 Outside Myanmar (Specify)	From what source did you obtain [..input..]? 1 Trader in market 2 Trader without fixed premises 3 Agricultural input dealer 4 Other farmer 5 Government staff 6 Friends/Relatives 99 Other (Specify)
Pesticide (specify name)	1								
Lime	2								
Salt	3								
Antibiotics (specify name)	4								
Other medicine (specify name)	5								
Manure (specify)	6								
Urea	7								
TSP	8								
Other fertilizer (specify)	9								
Fuel for exchanging pond water	10								
Fuel for topping up pond water	11								
Other non-feed pond input (specify)	12								
Other (Specify)	99								

T4. GROWOUT - FEED INPUTS

NOTE: Remind the informant: all questions in this module relate to the last production cycle in the sample growout pond.

T400		T401	T402	T403	T404		T405			T406	T407	T408	T409	T410	T411	T412	
Input used	CODE	Did you use [..input..] during last cropping cycle? 1 Yes 2 No >> NEXT ITEM	What year did you first use this type of feed? YYYY	What company produces this feed? 1 Htoo Htit 2 Myan Swan Thet 99 Other (Specify)	What was the total quantity of [..feed..] used over the last cropping cycle in the sample pond? AMOUNT	 UNIT 1 Viss 2 Tons 3 Bag 99 Other (Specify)	What was the average price per unit of [..feed..]? AMOUNT	 UNIT 1 Kyat 2 Lakh Kyat	 PER.. 1 Bag 2 Viss 3 Ton 99 Other (Specify) 98 N/A	Where did you obtain [..feed..] 1 This village 2 Another village in this village tract 3 Nearest town/city 4 Yangon 5 Another township 6 Another region/st 7 Outside Myanmar	From what source did you obtain [..feed..]? 1 Rice/oil mill 2 Feed factory 3 Feed dealer 4 Trader 5 Other farmer 6 Friends/Relatives 7 Own production 99 Other (Specify)	Did you receive any [..feed..]on credit in kind from this supplier? 1 Yes 2 No 2>> T411	Were you obligated to sell harvested fish to this supplier, or a trader linked to this supplier? 1 Yes 2 No	How many deliveries of [..feed..] did you recieve during the last cropping cycle? NUMBER	Who paid the delivery costs (inc. transport & labor)? CODE 1 Self 2 Shared with seller 3 Seller	How much did you pay on average in delivery costs ? AMOUNT	 UNIT 1 Kyat/bag 2 Kyat/Ton 3 Kyat/delivery 99 Other (Specify) 98 N/A
Sinking feed (pellet)	1																
Floating feed (pellet)	2																
Rice bran	3																
Peanut oilcake	4																
Other oilcake (specify)	5																
Broken rice	6																
Brewery waste	7																
Noodle waste	8																
Other (Specify)	99																
Other (Specify)	99																
Other (Specify)	99																

T5. GROWOUT - HARVESTING 1

NOTE: Remind the informant: all questions in this module relate to the last complete cropping cycle in the sample growout pond,

T500		T501	T502		T503	T504	T505	T506	T507	
Species harvested last season		Did you harvest [..species..] last season?	What was the average size of [..species..] harvested last production cycle		What was total the quantity of [..species..] harvested last production cycle?	What was the average price received per viss for [..species..] last production cycle?	Did any unharvested [..species..] remain in the pond at the end of the last production cycle?	When do you expect to harvest [..species..]?	Expected total value of [..species..] when harvested	
	CODE	1 Yes 2 No	VISS	TICAL	97 D/K VISS	97 D/K KYAT/VISS	1 Yes 2 No >> NEXT ITEM	97 D/K MM/YY	AMOUNT 97 D/K	UNIT 1 Kyat 2 Lakh Kyat
Nga Myitchin	1									
Nga Gyinn Pyu	2									
Nga Guang Pwa	3									
Nga Dan	4									
Nga Mote	5									
Nga Ku	6									
Mixed carp species	7									
Tilapia	8									
Shwe War Nga Gyinn	9									
Nga Chone Ma Gyi	10									
Prawn	11									
Unstocked wild fish	12									
Other (Specify)	99									
Other (Specify)	99									
Other (Specify)	99									

T6. GROWOUT - HARVESTING 2

NOTE: Remind the informant: all questions in this module relate to the last complete cropping cycle in the sample growout pond,

T600	T601	T602	T603	T604	T605		T606		T607	T608	T609	T610		T611
Did you rent the use of a net when harvesting the sample pond?	What was the total cost of renting nets for harvesting the pond during last production cycle?	Was any ice used when harvesting the sample pond?	Who provided the ice?	Where was the ice factory located?	What was the total quantity of ice used when harvesting the sample pond during last production cycle?		How much did each unit of ice cost?		What was the main type of vehicle used to transport fish harvested from the sample pond to market?	Who provided the transport?	What was the ownership status of the transport you provided?	What was your total expenditure on transporting fish from the sample pond to market last season (rent + fuel only)?		What was the total quantity of harvested fish (all speices) consumed by the household and farm workers from the sample pond during last production cycle?
1 Yes 2 No 2>> T602	KYAT	1 Yes 2 No 2 >> T607	1 Self 2 Self & Buyer 3 Main buyer 99 Other (Specify)	1 This village 2 This village tract 3 Neighboring village tract 4 Nearest town 5 Yangon city 6 Other township (Specify) 7 Other region (Specify)	AMOUNT	UNIT 1 Block 99 Other (Specify)	AMOUNT 97 D/K	UNIT 1 Kyat 2 Lakh Kyat	1 Boat 2 Un- refrigerated truck 3 Refrigerated truck 4 Motorbike 99 Other (specify)	1 Self 2 Self & main buyer 3 Main buyer 99 Other (specify) 3..99 >> T610	1 Own vehicle 2 Rented vehicle 3 Own + rented 4 Borrowed 99 Other (specify)	AMOUNT	UNIT 1 Kyat 2 Lakh Kyat	VISS 98 NA

T7. GROWOUT - SALES

NOTE: Remind the informant: all questions in this module relate to the last complete production cycle in the sample growout pond,

T700	T701	T702	T703	T704	T705		T706	T707		T708	T709	
How many different buyers did you sell fish from the sample pond to during last production cycle?	What was the main type of buyer from the farm?	Where was the main buyer located?	Did you receive any credit from the main buyer last leason?	What quanity of fish did you sell to the main buyer during the last season?	How much money did you receive from the sale of this fish?		How did you receive payment for the sale?	How long did you have to wait before receiving payment in full?		Did you pay a commission on the sale of this fish?	What was the rate of commision you paid?	
NUMBER	1 Fish trader 2 Feed company 3 Factory/cold store 4 Retailer 5 Consumer 99 Other (Specify)	1 This village 2 This village tract 3 Neighboring village tract 4 Nearest town 5 San Pya market (Yangon) 6 Shwe Padauk mkt. (Yangon) 7 Other location in Yangon 8 Other township (Specify) 9 Other region (Specify) 99 Other (Specify)	1 Yes 2 No	VISS	AMOUNT 97 D/K	UNIT 1 Kyat 2 Lakh Kyat	1 Cash immediately 2 Bank transfer immediately 3 Cash with delay 4 Bank transfer with delay 99 Other (specify) 1, 2 >> T708	NUMBER	UNIT 1 Days 2 Weeks 3 Months 99 Other (Specify)	1 Yes 2 No 2 >>NEXT MODULE	AMOUNT	UNIT 1- % 2 Kyat/viss 3 Total 99 Other (Specify)

T8. INTEGRATED POULTRY

T800A Is the sample growout pond integrated directly with poultry? 1 Yes -- > M100, 2 No -->NEXT MODULE |___|

NOTE: Answers in this module relate to all the feedlots on the sample pond over the period of the last 12 months

T800	T801	T802	T803	T804	T805	T806	T807	T808	T809	T810	T811	T812	T813	T814	T815
What is the main type of poultry raised on this farm?	How many integrated poultry feedlots are there on the sample pond?	How many of these feedlots were in operation during the last 12 months?	What is the average length of each production cycle?	How many production cycles were there per feedlot in the last 12 months?	How much was spent on feedlot construction during the last 12 months?	How much was spent on feedlot repairs during the last 12 months?	How much was spent on chicks during the last 12 months?	How much was spent on feed during the last 12 months?	What was the monthly cost of fuel used for electricity generation during the last 12 months?	What was the monthly cost of public electricity used during the last 12 months?	How much was spent on medicines during the last 12 months?	How many birds were sold during the last 12 months?	What was the average price recived per bird?	How many eggs were sold during the last 12 months?	What was the total income from sales of eggs?
CODE 1 broiler 2 layer chicken 3 duck 4 Semi-broiler	NUMBER	NUMBER	DAYS	CYCLES PER FEEDLOT	LAKH KYAT 98 NA	LAKH KYAT 98 NA	LAKH KYAT	LAKH KYAT	KYAT/MONTH 98 NA	KYAT/MONTH 98 NA	KYAT 98 NA	NUMBER 98 NA	KYAT 98 NA	NUMBER 98 NA >> NEXT MODULE	KYAT

T9. GROWOUT POND - LONG TERM LABOR

T900A. Did you hire long term labor for aquaculture (including integrated poultry) on the sample pond during the last 12 months? 1-YES 2-NO |____| >> Module U

NOTE: List details of permanent/seasonal labour for sample pond

T900	T901	T902		T903			T904	T905	T906	T907	T908	T909	T910
Worker type	How many of the following type of long term workers did you employ during the last 12 months?	How long did you employ them for during the last 12 months?		How much did you pay them?			What was the total value of transport, meals and gifts paid to them in the last 12 months?	Did you provide lodging?	Where did most of these workers come from?	Have they settled permanently in this village?	How many have settled here permanently?	Did [..laborer..] work any other ponds other than the commerical nursery ponds	What was the total area of ponds worked by [..laborer..]?
0 >>NEXT Line	NUMBER	NUMBER	UNIT 1 Days 2 Weeks 3 Months 4 Season	AMOUNT 97 D/K	UNIT 1 Kyat 2 Lakh Kyat	UNIT 1 Day 2 Week 3 Month 4 Season	KYAT 98 NA	1 YES 2 NO	**SEE CODES ON RIGHT**	1 YES 2 NO>>T909	Number	1 YES 2 NO >> NEXT ITEM	ACRES
Husband & wife team (hired together)													
Women (individual)													
Men (individual)													

CODE S406

1 This village
2 This village tract
3 Neighboring village tract
4 Nearest town
5 Yangon city
6 Other township (Specify)
7 Other region (Specify)

T10. GROWOUT POND - FAMILY & HIRED CASUAL LABOUR

List details of family and casual labour used for the sample pond during the last production cycle

T1000		T1001					T1002	T1003		T1004				T1005	T1006
Activity	CODE		Hours/Days Labour in last season				Paid by:	DAILY RATE		PIECE RATE					
			Men		Women			Men	Women	AMOUNT	UNIT	NUMBER OF UNITS	THIS AMOUNT IS FOR:		
		Labor Type 1 Family 2 Hired	Days/ person	No. persons	Days/ person	No. persons	1 Daily rate 2 Piece-rate >> T1004 3 Unpaid >> T1005	KYAT/DAY >> T1105		KYAT	1 Acre 2 Pond 3 Basket 4 Sack 99 Other (Specify)	NUMBER	1 Each person 2 All	Other payments (meals, transport etc) KYAT	Where did the majority of the temporay hired labour that you employed originate from? CODE
Pond construction or repair	1														
	1														
Buying fish seed or stocking fish seed into the pond	8														
	8														
Buying/transporting/hauling fish feed to the farm	9														
	9														
Feeding fish	5														
	5														
Guarding ponds	6														
	6														
Harvesting fish/hauling from farm/transporting to market	10														
	10														
Other _____	99														
	99														

CODE T1006
1 This village
2 This village tract
3 Neighboring village tract
4 Nearest town
5 Yangon city
6 Other township in this region (Specify)
7 Other region (Specify)
97 DK

U1. POND (OWNERSHIP STATUS)

U100		U101	U102			U103	U104	U105	U106	U107	K108		U109		U110	U111
No.	Pond No. (From pond roster)	Does your household hold a pond license for this pond? (issued by DOF)	What was the cost of the license this year?			Why does your household not hold a license for this pond?	Have you or a member of your household ever applied for La Na 39 for pond [..x..]?	Why did you apply for La Na 39 for the pond?	Does your household hold LA NA 39 for the pond at present?	When did you obtain it?	How long did the application process take?		What was the total cost of the application?		Why do you not yet have the La Na - 39?	Why did you not apply for La Na 39 for the pond?
		1 Yes 2 No >> U103	AMOUNT >> U104	UNIT 1 Kyat 2 Lakh Kyat	PER.. 1 Acre 2 Total	CODE 1 Never asked by DOF 2 No need (domestic pond) 99 Other (Specify)	1 Yes 2 No >> U111	1 It's the law 2 To increase tenure security 3 To increase land value 4 To avoid problems with authorities 5 It was easy to get 99 Other (Specify)	1 Yes 2 No 2 >> U110	YYYY	NUMBER	UNIT 1 Weeks 2 Months 3 Years	AMOUNT >> NEXT ITEM	UNIT 1 Kyat 2 Lakh Kyat	1 Application still being processed 2 Stopped application on purpose 3 Could not afford full costs 4 Low likelihood of application success 99 Other (specify) >> NEXT ITEM	1 Came with one when acquired 2 No need (domestic pond) 3 No need (pond <10 acres) 4 Nobody checks 5 Village headman OK'd pond 6 Takes too long 7 Too far 8 Too expensive 9 Too complicated 10 Not aware 99 Other (Specify)
1																
2																
3																
4																
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6																
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V1. HISTORICAL PRODUCTION (Whole farm; Grow-out ponds only)

V100A Does the farm have any growout ponds? 1 Yes, 2 No |___| >> Module U

V100		V101	V102	V103	V104	V105	V106	V107	V108	V109	V110	V111	V112	V113	V114	V115		V116	V117
No.		What area of ponds did you operate?	How many different species of fish were stocked?	How long was the average production cycle?	What was the average pond depth?	Did you use pelleted feed?	What was the average yield per acre?	How many integrated poulty feedlots did you operate?	What was the average daily wage for a male pond harvesting worker?	How many permanent workers did you employ?	What was the price of a bag of rice bran?	What was the average price of 1 pyi of coarse rice in the market?	What was the typical rate of interest paid on an unsecured loan of MMK 10 Lakh?	What was the average size of Nga Myit Chin fingerling stocked?	What was the average survival rate of Nga Myit Chin?	What was the average size of Nga Myit Chin harvested?		What was the average price per one viss size of Nga Myit Chin?	What share of the fish you harvested (by volume) was Nga Myit Chin?
		ACRES	NUMBER 97 D/K 98 N/A	MONTHS 97 D/K 98 N/A	FEET 97 D/K 98 N/A	1 Yes 2 No 97 D/K 98 N/A	VISS/ACRE 97 D/K 98 N/A	NUMBER 97 D/K 98 N/A	KYAT/DAY 97 D/K 98 N/A	NUMBER 98 D/K 99 N/A	KYAT/BAG 97 D/K 98 N/A	KYAT/PYI 98 D/K 99 N/A	%/ MONTH 98 D/K 99 N/A	1 Hatchling 2. <1" 3. 1-3" 4. 3-5" 5. 5-7" 6. 7-10" 7. >10" 97 D/K 98 N/A	% 97 D/K 98 N/A	VISS	TICAL 98 D/K 99 N/A	KYAT/VISS 97 D/K 98 N/A	%
1	This year																		
2	5 years ago																		
3	10 years ago																		

2 No

W1. CREDIT USED FOR AQUACULTURE

Did the household receive any credit during the last 12 months that was invested in aquaculture activities? 1 YES, 2 NO |___| >> END

W100	W101	W102	W103	W104	W105	W106		W107	W108	W109	W110		W111		W112	W113	
Loan No.	Source of credit	Main purpose of loan	Location of lender?	How was this credit recieved?	In which month was this credit received?	How much was received from this transaction?		Was the loan secured with collateral?	What was the form of collateral?	Did taking this loan commit you to sell the final product to the loan provider?	What was the rate of interest paid on the loan?		What was the total amount of loan you have to repay? (Principal + Interest)		How must this loan be repaid?	When does this credit have to be fully repaid?	
	CODES ON RIGHT	**CODES ON RIGHT**	1 This village 2 This village tract 3 Neighboring village tract 4 Nearest town 5 Yangon city 6 Other township (Specify) 7 Other region (Specify)	1 In cash 2 In kind 3 Cash & kind	MONTH	AMOUNT	UNIT 1 Kyat 2 Lakh Kyat	1 Yes 2 No >> W109	1 Form 7 2 Form 105 3 La Na 39 4 Gold 5 Building 99 Other (Specify)	1 Yes 2 No	% 97 D/K	UNIT OF TIME 1 Month 2 Year 99 Other (Specify) 97 D/K	AMOUNT	UNIT 1 Kyat 2 Lakh Kyat	1 In cash 2 In kind 3 Cash & kind	MM 96 NO LIMIT	Y Y
1																	
2																	
3																	
4																	
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CODE W101 SOURCE OF CREDIT

1 Private bank (Specify)
3 MLFDB (Treasure Bank)
4 Microfinance institution
5 Fish trader
6 Fish feed trader
7 Fish seed trader
8 Rice or Oil Mill
9 Fish feed factory
10 Agricultural input supplier
11 Agricultural machinary supplier
12 Gold/Pawn shop
13 Revolving Fund
14 Private moneylender
15 Relatives/friends
99 Other (Specify), _____

CODE W102 PURPOSE OF LOAN

1 Buying fish feed
2 Buying fish seed
3 Buying land for pond construction
4 Pond construction/repair costs
5 Buying machinery (including pumps
6 Buying vehicles (including boats)
7 Paying labour for harvesting
99 Other aquaculture related expense (Specify)

X1. PADDY CULTIVATION

X100		X101	X102	X103	X104		X105	X106	X107		X108		X109		X110		
	CODE	Did the household grow this [..paddy..] in the last 12 months?	How many acres in total did you plant to [..paddy..]?	Did you hire any labor to produce [..paddy..] within the last 12 months?	How much did you spend on labour in the last 12 months to produce [..paddy..]?		Where did the majority of the hired labour you employed originate from?	Did you buy any other production inputs for [..paddy..] during the last 12 months?	How much did you spend on other inputs for production of [..paddy..] during the last 12 months?		How much [..paddy..] did you harvest in the last 12 months?		How much [..paddy..] did you sell in the last 12 months?		What was the value of sales of [..paddy..] in the last 12 months?		
		1 Yes 2 No >> NEXT ITEM	ACRES	1 Yes 2 No >> X106	AMOUNT	UNIT 1 Kyat 2 Lakh Kyat	1 This village 2 This village tract 3 Neighboring village tract 4 Nearest town 5 Yangon city 6 Other township (Specify) 7 Other region (Specify)	1 Yes 2 No >> X108	AMOUNT	UNIT 1 Kyat 2 Lakh Kyat	AMOUNT 98 NA	UNIT 1 Viss 2 BSKT 3 KG 4 No. 5 Bundle 99 Other	AMOUNT 98 NA	UNIT 1 Viss 2 BSKT 3 KG 4 No. 5 Bundle 99 Other	AMOUNT 98 NA	UNIT 1 Kyat 2 Lakh Kyat	PER.. 1 Unit 2 Total
Monsoon paddy	01																
Summer paddy	02																