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United States Department of Agriculture

National Agricultural Statistics Service

Animal and Plant Health Inspection Service

2010 GENERAL CATFISH MANAGEMENT REPORT

Stratum	POID	Tract	Attempted Contacts				
			Date Time		Notes		
•	ř .						

Beginning Time
0001

BEGINNING TIME [Military]

INTRODUCTION

[Rephrase in your own words.]

The purpose of this inquiry is to collect information on catfish production for APHIS-National Animal Health Monitoring System. Your cooperation is very important in order to identify management practices, disease problems, and predation problems accurately. You may find it easier to answer some of the questions if you have records available. Individual reports are kept confidential.

Your response is voluntary and not required by law. However, your report is needed to make Regional and National estimates as accurate as possible.

PART I: FINGERLING PRODUCTION

Dio	id this operation breed catfish, operate a hatchery, or raise		Code 101	
пу	y to fingerlings during 2009? 1 Yes 3	□No		
	[IF NO, Skip to Part II, page 16]			
SE	EGIION A BROODFISH and SPAWNING MANAGEMENT			
			Code	
1.	Did this operation breed catfish for egg collection in 2009? 1 ☐ Yes 3	□No	102	
	[If NO, Skip to Part I, Section B, Page 4]			
	Pou	nds	Number o Broodfish	
	148		103	1
* 2	2. On January 1, 2010, what was your inventory of broodfish (fish to be used for breeding)?	OR		
3.	Of the January 1 broodfish inventory (Item 2), what percentage was from the following line:	s?	Percent	
	a. NWAC103		104	9
	b. Kansas	· · · · · · · · · · · · · · ·	105	9
	c. Goldkist/Harvest Select		106	0
	d. Auburn	••••	107	9
	e. Blue catfish		108	9
	f. Other channel catfish line (specify)		109	9
	g. Pond run channel catfish (fish selected from foodsize fish production ponds)		110	9
	TOTAL		100%	
4.	Of the January 1 broodfish inventory (Item 2), what percentage was in the following age categories?		Percent	
	a. Less than 3 years old		111	%
	b. 3 – 4 years old		112	%
	c. 5 years old		113	%
	d. 6 years old		114	%
	e. More than 6 years old		115	%
	TOTAL		100%	

No	wlv	vant to ask questions abou	it your b	roodfish du	ring 2009				Percent
5.	Dur	ring 2009, what percentage c	f your b	roodfish was	culled?			116	%
	[If 1	NONE, Skip to Item 7]							
6.	Off	the broodfish that were culled	d in 2009) (Item 5), wh	nat percenta	ge was culled	d primarily due to:		Percent
	a.	Old age (too old)?						117	7 %
	b.	Weight?						118	3 %
	C.	Poor health?						119	9 %
	d.	Poor reproductive success?						120	0 %
	e.	Business or financial reasor	าร?					12	1 %
	f.	Poor appearance (conforma	ation pro	blems)?				122	2 %
	то	TAL							100%
									Number
7.		ring 2009, how many broodfi edation, or other problems?						123	
	[if	NONE, Skip to Item 9]						Γ	
8.	Of	the broodfish lost in 2009 (Ite	em 7), w	hat percenta	ge was lost	to:			Percent
	a.	Enteric septicemia (ESC, he	ole-in-he	ead disease)'	?			—	%
	b.	Columnaris?							%
	C.	Proliferative gill disease (Po	GD, ham	burger gill di	sease)?				%
	d.	Winter kill (fungus- Saprole	gnia)? .						%
	e.	Visceral toxicosis of catfish	(Spring	disease)?				12	²⁸ %
	f.	Fighting?							9 %
	g.	Predation?						13	30 %
	h.	Other known causes? (spe	ecify)	13	31 %
	i.	Unknown causes?						13	32 %
	TC	DTAL							100%
9.	Ho	ow often are broodfish usually	y fed dur	ring the follow	ving season	s?	•		
			Daily	Every other day	Every third day	Less often than every third day	Other (specify)		Code
	a.	(pre-spawning/spawning)	1 🗆	2 🗆	з 🗆	4 🗆	5 🗆	_	133
	b.	Mid-summer/fall (post-spawning)	1 🗆	2 🗆	з 🗆	4 🔲	5 🗆		134
	٠.	Winter	₁ □	2□	3□	4 🗆	₅ 🗍		135

10	. Wr	nat percent protein feed was primarily fed	to your bro	oodfish in 2	009?			
						Code	7	
	a.	28 percent				1		
	b.	32 percent				2	(Enter Code)	136
	c.	35 percent						
	d.	Other percent protein (specify:						
					•		_	Code
11	. Do	es this operation stock forage fish in brook	dfish pond	s				137
	as	a supplemental food source for broodfish	?			1 ☐ Yes	з □ No	
lF	YES	, which of the following species are stocke	ed as food	sources fo	r broodf	ish?		
								Code
	a.	Fathead minnows			1	□Yes	з 🗌 No	138
	b.	Threadfin shad			•		3 □ No	139
	c.	Gizzard shad			-		3 ☐ No	140
	d.	Tilapia			•			141
					•		3 □ No	142
	e.	Other (specify:)	• • • • • • • • • •	1	∐ Yes	3 🗌 No	142
No	w l'c	d like to ask about your spawning man	agement.					Ponds
12.	Dur	ring 2009, how many spawning ponds we	e used by	this operat	ion?			143
13.	For	spawning ponds, how many years do you	ı usually w	ait betweer	า:			Number of years
	a.	Draining and drying your ponds?					• • • • • • • • • • • • • • • • • • • •	144
	b.	Complete renovation?						145
								Pounds per acre
14.	Hov	w many pounds of broodfish per acre are	out into sp	awning pon	ids on th	nis operatio	on?	146
			1 to 1	2 to 1	3 to 1	Oth	er ratio	Code
15.		at is the usual ratio of female to male						147
		odfish used in this operation's wning ponds?	1 🔲	2 🔲	з 🗌	4	4 🔲	
	ı						•••••	
CE	OTI 6	NID HATCHEDY MANAGEMENT	jagataji alamen ja ≢aktoba oli		en e			
SE	епіс	N.B. HATCHERY MANAGEMENT						
SE	ा । (N.B. HATCHERY MANAGEMENT						Code
			Sewoole do B					Code 201
		HATCHERY MANAGEMENT s this operation have a hatchery for hatch	Sewoole do B	ı eggs?		1 □ Yes	3 □ No	
	Doe		Sewoole do B	ı eggs?		1 □ Yes	3 □ No	
	Doe	es this operation have a hatchery for hatch	Sewoole do B	ı eggs?		1 ☐ Yes	3 □ No	201 Code
1.	Doe	es this operation have a hatchery for hatch	ing catfish				- 	201
1.	Doe	es this operation have a hatchery for hatch	ing catfish				3 □ No 3 □ No	201 Code

ა.		e brought to the hatchery for h		and ii avallabit	s, now many p	Journas	o or eggs,		
								N	umber of
								<u> </u>	g masses
	a.	Number of egg masses						203	
								l b	s. of eggs
								204	o. or oggs
	b.	Pounds of eggs							
4.		ich of the following best descri ore being placed into hatching		ent of egg ma	sses				
	50,	or coming process mass mass and or	3			Cod			
							<u>e</u>		
	a.	Treat egg masses using beta				1		205	
	b.	Treat egg masses using othe	r compound (s	pecify:)	2	(Enter Code)		
	c.	Do not treat egg masses				3			
				_					
5.	Wh	at is the primary source of wa	ter for the hatcl	nery?					
						Coc	le		
	a.	Water from a well that was st	ored in a holdir	ng pond		1			
	b.	Water from a creek or a water				2	(Enter Code)	206	
		holding pond						L	
	c.	Water directly from a well (as	sk Item 6)			3			
	d.	Mixture of water directly from							
	e.	Other (specify)		5			
[IE	ITE	M 5 DOES NOT EQUAL C, S	kip to Item 7.]						
6.	Ве	fore the water is used in the ha	atchery is it:					207	Code
	a.	Degassed?				1 🗆 `		207	
	b.	Heated?		• • • • • • • • • • • • • • • • • • • •		1 🔲 `	Yes ₃☐ No	208	
							•	G	als per min
	_							209	-
7.	Or	average, how many gallons of	of water per mir	nute flow throu	igh each hatcl	hing tr	ough?	· L	
8.	Do	you use the following method	s to keep wate	r circulating in	1:				
						7 [-		
			Hatching	troughs?	Code	-	Fry troughs?		Code
	a.	Paddles?	1 ☐ YES	₃ □ NO	210		1 YES 3	NO	214
	-:==				211	1	·		215
	b.	Air stones?	1 ☐ YES	₃□ NO	212	+ +	1 YES 3	NO	216
	C.	Agitators?	1 ☐ YES	з □ №			1 YES 3	NO	in to
	ب ر	Other methods?	₁ ☐ YES	₃∏ NO	213		1 ☐ YES 3 ☐	NO	217

	What is the hardness of the water, in parts per million, used i		
10	During 2000 statetics at the same		Code
10.	During 2009, did this operation add calcium to the water to maintain hardness?		219
			Code
11.	Does this operation use liquid oxygen in the hatchery to control dissolved oxygen?	1 ☐ Yes 3 ☐ No	220
	,,,	3	
			Masses per 100 gallons
40	Name and the second		221
12.	How many egg masses per hundred gallons were placed in h	natching troughs in 2009?	
			Times per day
13.	During 2009, how many times per day were egg masses in h	atching troughs turned?	222
	The state of the s	atoming troughs turned :	
			Percent
14. '	What percentage of eggs brought to the hatchery survived to	hatching in 2009?	223 %
15. (Of the eggs that did not hatch, what percentage were lost to t	Percent	
	a. Fungal infections.		
ł	o. Bacterial egg rot (or other bacterial infections)		
	c. Infertility		
(d. Other known causes (specify:		
6	e. Unknown causes	· ·	228 %
٦	ГОТAL	·	
	During 2009, were any of the following chemicals used to pre		
i	n hatching troughs, and if so, how many times per day were	eggs treated?	VIIS
			s, # times per day
a	a. Betadyne (iodine) 1 YES 3 NO	1 1 1 1	
b	o. Copper Sulfate	230 235	
~		231 236	
С	Formalin 1 YES 3 NO		
d	. Hydrogen peroxide	232 237	
_		233 238	
6	. Salt 1 YES 3 NO		

PPM

17. During 2009, were any of the following chemicals used to treat eggs that had:

	Fungal infections?	Code	Bacterial infections	
a. Betadyne (iodine)	1 YES 3 NO	239	1 ☐ YES 3 ☐ N	O 244
b. Copper Sulfate	1 ☐ YES 3 ☐ NO	240	1 YES 3 N	O 245
c. Formalin	1 ☐ YES 3 ☐ NO	241	1 ☐ YES 3 ☐ N	O 246
d. Hydrogen peroxide	1 ☐ YES 3 ☐ NO	242	1 ☐ YES 3 ☐ N	O 247
e. Salt		243		O 248
Now I'm going to ask questions at				
NOW I III going to ask questions at	out your my management	•		Number
18. During 2009, how many fry were	hatched in this operation's	hatcherv?		249
•		,, <u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>		
OF THESE FRY HATCHED, wh	at percentage were:			Percent 250
a. channel catfish?				%
b. channel/blue hybrid catfish?				251 %
c. blue catfish?			,	252 %
TOTAL`.				100%
19. How long were fry normally left i				
19. How long were ity normally left	If ity troughts during 2009!	Г	Code	
a. Release sac fry (not held in	fry troughs)	_	1	
b. 1 – 3 days past swim up			2 (Enter Code)	253
c. 4 – 7 days past swim up			3	
d. More than 7 days past swim			4	
20. What was the primary feed fed	to fry in fry troughs during 20	009? 	Code	
a. Catfish starter			1	
b. Salmon/trout starter			2	
c. Krill			3 (Enter Code)	254
d. Other (specify)		4	
e. Nothing fed to fry in fry trou	ghs		5	

[IF ITEM 20 = E (nothing fed), Skip to Item 22]	Number
21. In a 24-hour period, how many times were fry in fry troughs fed?	255
22. Which of the following best describes how often fry troughs are disinfected?	
a. Between batches of fry	
b. Annually	256
c. Other 3	<u> </u>
d. Do not disinfect	
23. What percentage of the fry produced by this operation in 2009 were:	Percent
a. Sold?	
b. Stocked on your own operation?	
TOTAL	. 100%
SECTION 6 FRY/FINGERLING MANAGEMENT 1. During 2009, did your operation grow any fry to fingerlings?	Code 301
[If NO, Skip to Part II, page 16]	
 During 2009, did your operation place swim-up fry in raceways or tanks after fry troughs but prior to stocking them into fry/fingerling ponds? 1 ☐ Yes 	Code 302
If YES, what was the average age of the fry, in days since hatching, when they were moved from the raceway or tank to the fry/fingerling ponds?	Days 303
*3. During 2009, how many fry/fingerling ponds were used for production on this operation?	Ponds 304
What was the total water surface acres of the ponds that were used for fingerling production in 2009?	Acres 305

		Ponds
		306
4.	Of these fry/fingerling ponds (Item 3) how many were stocked with fry hatched in 2009 ?	
		Acres
	a. What was the total water surface acres of the ponds that were	307
	stocked with fry hatched in 2009?	
5.	How many fry were stocked into fry/fingerling ponds	Niverban
	on this operation during: Pounds 380	Number 308
	a. 2008? or	
	381 or	309
	b. 2009?	
6.	During 2009, how many of the fry/fingerling ponds were stocked at the following rates?	Number of Ponds
	a. Less than 100,000 fry per acre	310
	a. Less than 100,000 try per acre	311
	b. 100,000 – 149,000 fry per acre	
	450 000 400 000 frum an age	312
	c. 150,000 – 199,000 fry per acre	313
	d. 200,000 or more fry per acre	
		314
	e. TOTAL [should equal item 4]	
7.	Which of the following best describes the treatment of fry/fingerling ponds before stocking in 2009?	
	Code	
	a. Drained and dried [ask Item 8]	
	b. Drained and poisoned [ask Item 8]	315
	c. Poisoned but not drained	
	e. Other (specify:) 5	
	[IF ITEM 7 DOES NOT EQUAL A or B, Skip to Item 9]	
		Days
8.		316
	with water and stocking fry?	
		Years
9.	How many years do you normally wait between completely renovating	317

10	. Di	d you fertilize this operation's fry/fingerling ponds in 2009?	1 Yes	з 🗌 No	316
	[1 F	NO, Skip to Item 13]			
11.	. Ho	ow many days before stocking fry/fingerling ponds did you begin fertiliz	ina the pond	ds?	Days
		5	ing the pone		
12.	W	hich of the following best describes the primary fertilizer used in the fry	/fingerling p	onds?	
			Code		
	a.	Organic fertilizer (e.g. cottonseed, fish feed)	1		
	b.	Inorganic fertilizer (e.g. urea, ammonia nitrate)	2	(Enter Code)	320
	Ċ.	Combination of organic/inorganic fertilizers	3		
40	۸ 4 1				Code
13.	po	er filling the fry/fingerling ponds with water, were any of the nds treated to control insects in 2009?	1 Tes	3 🗌 No	321
					PPM
14.	In po	parts per million, what was the average chloride level of the water in fronts on this operation during summer?	y/fingerling		322
15.	Wł	nich of the following best describes the use of salt in fry/fingerling pond	s on this op	eration during 200	09?
			Code]	~
	a.	Routinely add salt to maintain a desired chloride level	1		
	b.	Add salt only in response to health problems	2	(Enter Code)	323
	c.	Do not add salt to fry/fingerling ponds	3	(=///6/ 0000)	
Nov	νlν	vant to ask you questions about fry/fingerling pond management	after stock	ing with frv.	
		ring 2009, which type of feed was primarily fed to fry before the accept			
		and accept	ance or noa	ung reeds?	
			Code		
	a.	Fines or meals	1		
	b.	Crumbles	2		<u> </u>
	C.	Pellets	3	(Enter Code)	324
	d.	Fry starter	. 4		
	e.	Other (specify:)	5		
i	f.	No feed provided	6		

Code

17. During 2009, how often were fry/fingerlings usually fed in the following seasons?

			At least twice daily	Once a day	Every other day	Othe	er (specify)	I	Code
	a.	Spring	1 🗆	2 🗆	з 🗆	4 🗌			325
	b.	Summer	1 🗆	2 🗆	з 🗆	4 🗆	<u> </u>		
	c.	Fall	1 🔲	2 🗆	з 🔲	4 🗆		• • • • • •	327
	d.	Winter	1 🔲	2 🗆	з 🗆	4 🗌	··		328
18.	Wh	at percent protein floating feed was prir	marily fed to fry/	fingerlings i	n 2009?				
					Code				
	a.	28 percent			1				
	b.	32 percent			2		(Enter Code)	329	
	c.	35 percent			3				
	d.	Other level (specify:)		4				
19.		ich of the following best describes your solved oxygen in fry/fingerling ponds du		d for regula	rly monitorin	g			
					Code				
	a.	Automated sensors			1			220	
	b.	Hand monitor (oxygen meter)					(Enter Code)	330	
	C.	Other (specify:)		3				
	d.	Do not regularly monitor dissolved oxy	gen levels		4				
									rsepower
20	. Ho	w many horsepower of fixed aeration v	vere used per s	surface acr	e of fry/finge	rling p	onds?	331	
21	Wh	nich of the following best describes the	frequency of wa	ater quality t	estina in frv	finaer	ling ponds in 20	009?	
			,	,	Cod				
	a.	At least once a month [ask Item 22]		. 	-				
	b.	Less than once a month					(Enter Code)	332	
	c.	In response to health problems only			3				
	d.	Not tested			4				

[IF ITEM 21 DOES NOT EQUAL A, Skip to Item 23]

22.	Н	ow many times per month were fry/fingerling ponds tested for the follow	ring					
	Wa	water quality characteristics?						
	a.	Ammonia			333			
	b.	Chloride			334			
	۷.				335			
	C.	Nitrite		• • • • • • • • • • • • • • • • • • • •				
No	w l'	m going to ask questions about fingerling health issues.						
					Code			
23.	At en	this operation during 2009, were any fry vaccinated against teric septicemia of catfish (ESC)?	₁ ☐ Yes	3 □ No	336			
	[lf	NO, Skip to Item 30]						
	•				Percent			
					337			
24.	W	nat percentage of fry was vaccinated for ESC in 2009?		• • • • • • • • • • • • • • • • • • • •	%			
					Days			
25	Нο	W many days after hatching were the for usually vessing to disc.			338			
		w many days after hatching were the fry usually vaccinated for ESC? . nich of the following best describes how many of the fry intended for g						
	we	re vaccinated against ESC during 2009?	row-out on	your own operau	on			
			Code					
	a.	All fry intended for grow out on operation.	1					
	b.	A portion of the fry	2	(Enter Code)	339			
	c.	None of the fry	3					
	d.	No fry were grown-out on this operation.	4					
27.	Ho	w many of the fry intended for sale as fingerlings were vaccinated aga	ainst ESC d	uring 2009?				
			Code					
	a.	All fry intended for sale	1					
	b.	A portion of the fry for sale based on customer request	2	(Enter Code)	340			
	c.	A portion of the fry for sale regardless of customer request	3	(=::::: 0000)				
	d.	None of the fry intended for sale were vaccinated	4					
	e.	No fry were for sale	5					

Code

28.	Durii finae	ng 2009, did you have any outbrea	ks of ESC in	ponds that had	₁ ☐ Yes	з □ No	341
	9	90					Code
							342
	IF Y	ES, was any medicated feed fed to	these vaccin	ated fish?	₁ \square Yes	3 🗌 No	
29.	Wou to fir	uld you say that the performance of ngerlings in ponds without ESC vac	fingerlings in cinated fish,	the ponds with ESC was better, the same	vaccinated fi e, or worse for	sh, when compar	ed
			Better	Same	Worse	Don't Know	Code
	a.	SURVIVAL rates?	1 🗆	2 🗆	з 🗆	4 🔲	343
	b.	GROWTH rates?	1 🔲	2 🗆	з 🗆	4 🔲	344
l ar	n no	w going to ask similar questions	about colur	nnaris vaccination.			
							Code
30.	At the	his operation during 2009, were an inst columnaris	y fry vaccinat	ed 	₁ Yes	3 □ No	345
-							
	[IF	NO, Skip to Item 37]					
							Percent 346
31.	Wh	at percentage of fry were vaccinate	ed for columna	aris in 2009?			
							Days
							347
		w many days after hatching were th					<u> </u>
33.	Wh you	ich of the following best describes ir own operation were routinely vac	now many of cinated agair	the try intended for nst columnaris during	grow-out on 2009?		
	•				Code		
	_	All fry intended for grow out on op	eration				
	a.	-				(Enter Code)	348
	b.	A portion of the fry				(Enter Code)	
	C.	None of the fry			. 3		
	d.	No fry were grown-out on this ope	eration		. 4		
		en e ta didêniral	£:		animat nalum	norio durina 2000	o
34	. Ho	w many of the fry intended for sal	e as imgerim	gs were vaccinated a	Code		ŗ
		All for intended for colo					
	a.	All fry intended for sale				(Fata: 0-d-)	349
	b.	A portion of the fry for sale based				(Enter Code)	
	C.	A portion of the fry for sale regard	lless of custo	mer request	. 3		
	d.	None of the fry intended for sale.			. 4		
	e.	No fry were for sale			. 5		

								Code
35.	Du	ring 2009, did you have any outbrea nds that had fingerlings that were va	ks of colum	naris in	. 🗆 Vaa	- ET No	350	
	۲۰	The that mad migermigs that were va	comateu for	columnans?	. 1 🗀 Tes	3 🗌 No		
								Code
	lF	YES, was any medicated feed fed to	these vacc	inated fish?	₁ □ Yes	з □ №	351	
							L	
36.	to t	ould you say that the performance of ingerlings in ponds without columna	fingerlings ris vaccinat	in the ponds with col ed fish, was better, tl	umnaris vacci ne same, or w	nated fish, when orse for:	compar	ed
			Better	Same	Worse	Don't Know		Code
	a.	SURVIVAL rates?	1 🔲	2,🗹	з 🗆	4 🔲	352	
	b.	GROWTH rates?	1 🔲	/2 🗆	з 🗆	4 🗆	353	
							P	ercent
	_						354	or oom
37.	Du	ring 2009, what percentage of stock	ed fry survi	ved until harvested a	as fingerlings?			%
38.	Of	the fry stocked in 2009 that did not s	urvive to ha	arvest as fingerlings.				
'	wh:	at percentage was lost to:		5 6 <i>7</i>			Р	ercent
;	a.	Enteric septicemia (ESC, hole-in-he	ad disease	12			355	
	_,,	Zinerie espaesima (200, nois-in-ne	au discase	7:			356	%
į	o.	Columnaris?		• • • • • • • • • • • • • • • • • • • •			000	%
	_	Proliferative cill disease (DOD Issue	t				357	
,	Э.	Proliferative gill disease (PGD, ham	iburger gill (disease)?		• • • • • • • • • • • • • • • • • • • •		%
(d.	Channel catfish virus?					358	%
		•					359	
6	€.	Trematodes?	• • • • • • • • • • • • • • • • • • • •			• • • • • • • • • • • • • • • • • • • •		%
f	:	Gill parasites?					360	
						• • • • • • • • • • • • • • • • • • • •	361	%
ξ] .	Ich?		• • • • • • • • • • • • • • • • • • • •				%
۲	١.	Prodution?					362	
'	1.	Predation?	• • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •		%
i.	•	Other known causes? (specify)		363	%
						·	364	78
j.	ı	Unknown causes?		• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •		%
7	·O1	Г АL						000/
					• • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •]	00%

39.	Dui	ring 2009, were any fingerlings sent to a diagnostic laboratory for any of the r	ollowing reasons.	
				Code 365
	a.	Early problem detection?1	Yes ₃ ☐ No	
	b.	Confirming cause of disease? 1	Yes ₃ ☐ No	366
	C.	Identifying unknown disease? 1	Yes ₃ ☐ No	367
	0.		_	368
	d.	Other reasons? (specify:)1	Yes ₃ ☐ No	
40.	Wh	nich of the following best describes your primary treatment for fry/fingerlings v	with ESC?	
		Со	de	
	a.	Medicated feed	1	
	b.	Regular feed or alternate days (reduce feed)	(Enter Code)	369
	c.	Take off feed	3	
	d.	Other (specify:)	4	
	e.	No ESC outbreaks	5	
41	. Du fry	uring 2009, did this operation feed any medicated feed to //fingerlings?1	Yes ₃ ☐ No	370 Code
н т	IF	YES, how many tons of the following medicated feed were fed to fry/fingerling	ngs in 2009?	Tons
	a.	Feed with Terramycin		. 371
	b.	Feed with Romet		372
	C.	Feed with Aquaflor		373
	٥.			Code
42	. D	uring 2009, did you have a problem with snails in any of your	V	374
	fr	y/fingerling ponds?1	Yes ₃ ☐ No	
	D	id you use any of the following measures to control the snails in the fry/finger	ling ponds?	
				Code
	a.	. Lime 1 🗆] Yes 3 🗌 No	375
	b.	. Copper 1] Yes ₃ ☐ No	376
		W. J. analysis		377
	C.		- ·	378
	d	·		379
	е	. Other (specify:)1] Yes 3 ☐ No	

PART II: FOODSIZE FISH PRODUCTION

NOTE: Part II refers to foodsize fish production. All references to ponds and fish relate to production of foodsize fish for harvest.

			į	Code
D	uring	g 2009, did this operation grow any foodsize fish for harvest? 1 Yes 3 No		401
	[11	F NO FOODSIZE FISH, Skip to Part III, page 28]		
Si	=©ır	ION/A STOCKING MANAGEMENT		
1.	O	n January 1, 2010, what was your inventory of:		Number of Fingerlings
	*	a. Fingerlings? (2 – 60 lb/1000 fish)	or	402
		Pounds		Number of Stockers
	*	o. Stockers? (over 60 lb – 750 lb/1000 fish)	or	403
		Pounds		Number of Foodsize
	*	c. Foodsize? (over 3/4 lb or more)	or	404
		Total Pounds		Total Fish
Th foo	en y odsi	your total inventory of fingerling, stocker, and ze fish on January 1, 2010, was:	or	405
2.	W	nat percentage of the January 1 inventory (Item 1) was from the following lines:		Percent
	a.	NWAC103?	[409 %
	b.	Kansas?		410 %
	C.	Goldkist/Harvest Select?	[411 %
	d.	Auburn?		412 %
	e.	Channel/blue hybrid catfish?		413 %
	f.	Other line (specify)		414 %
	g.	Unspecified channel catfish line		415 %
	TO	TAL	<u> </u>	100%

3.	3. For this operation, what is the most important reason for selecting fingerlings or stockers?					
		[Code			
	a.	Price	1			
	b.	Growth characteristics.	2			
	c.	Disease resistance.	3	(Enter Code)	420	
	d.	Fish size	4			
	e.	Distance from source (supplier)	5			
	f.	Producer's reputation	6			
	g.	Other? (specify:)	7			
					Fish p	er acre
4.	Ho	w many fish per acre are usually stocked in foodsize fish ponds?			424	
					L	<u></u>
5.	Do	you ever stock any of the following species into ponds used for foodsize	ze fish?			
						ode
	a.	Threadfin shad.	₁ ∐ Yes	3 🗌 No	429	
	b.	Gizzard shad	₁ □ Yes	₃ ☐ No	430	
			. —		431	
	C.	Redear sunfish (shellcrackers)	1 ∐ Yes	₃ ☐ No	432	
	d.	Fathead minnows	₁ ☐ Yes	3 🗌 No		
	e.	Grass carp	₁ ☐ Yes	3 ☐ No	433	
	f.	Other species (specify:)	₁ □ Yes	₃ □ No	434	
			. —	0 —		
					Pe	ercent
6.	Wh	at percentage of the January 1 inventory (Item 1) was stocked in 2009)?		416	%
[IF		M 6 is 0, skip to SECTION B]				
7.	Wł	at percentage of the fish stocked into foodsize fish ponds in 2009 was	:		Pe	ercent
	a.	Purchased as fry from another operation?			417	0.0
	a.	Turchased as my from another operations			418	%
	b.	Purchased as fingerlings from another operation?				%
	c.	Produced by this operation?			419	%
	т.	TAL				
	10	TAL	• • • • • • • • • •	· · · · · · · · · · · · · · · · · · ·	1	00%

8.	What percentage of the fish stocked in foodsize fish ponds during 2009	Doroont
	were in the following size groups:	Percent 421
	a. 5 inches or less (less than 40 lb/1000 fish)?	%
		422
	b. 6 – 8 inches (40 – 70 lb/1000 fish)?	%
		423
	c. More than 8 inches (over 70 lb/1,000 fish)?	%
	TOTAL	100%
_	During 2000 what are a fitted financially an area at alread dispositive inter-	, , , , , , , , , , , , , , , , , , ,
9.	During 2009, what percentage of the fingerlings were stocked directly into:	Percent
	The date of the country that also adversaries field (condensate alsing) O. Foods Harry 401	425
	a. Foodsize fish ponds that already contain fish (understocking)? [ask Item 10]	%
	L. E. I. Cale was do assert a finish	426
	b. Foodsize fish ponds empty of fish?	%
	c. Stocker ponds?	427
	c. Stocker ponds?	%
	TOTAL	100%
	TOTAL	10076
[IF	ITEM 9a IS 0, Skip to SECTION B]	Fish per acre
10.	What was the average number of fish per acre, including newly stocked fish and carry-over fish, in ponds that were understocked?	428
	stocked fish and carry-over fish, in ponds that were understocked?	
SE	CTION B POND CHARACTERISTICS	
		Ponds
		501
1	During 2009, how many foodsize fish ponds were used for production on this operation?	
٠.	Burning 2000, not many research non-penas were asserted production on and operation.	
		Acres
*		502
~2	. How many surface water acres were in those ponds?	,
	Of those ponds (Item 2), how many surface water acres were used for:	Acres
	Of those police (item 2), now many surface water doles were used for.	503
	a. channel catfish?	
	a. Ondrino: Oddion:	504
	b. channel/blue hybrid catfish?	
	D. Glanicipus Hybrid Canistr	505
	TOTAL [should equal Item 2]	505
	I VIAL productivent 2j	

3.	During 2009, how many or what percentage of this operation's foodsize fish ponds were in the following surface acre categories?								
			Number of	ponds OR	Percent of ponds				
			506	porius	511				
	a.	Less than 5 acres			%				
	b.	5 – 9 acres	507		512 %				
	C.	10 – 15 acres	508		513 %				
			545		546				
	d.	16 – 19 acres	509		514				
	e.	20 or more acres			%				
	f.	TOTAL [should equal Item 1 or 100%]	510		100%				
4.		those foodsize fish ponds used in 2009, how many foodsize fish ponds /e the following water sources?	3		Ponds				
	iia	To the following water sources:			515				
	a.	Well (levee pond)							
	b.	Surface water (watershed pond, stream, spring)			516				
	D.	ounded water (watershed point, stream, spring)		•••••	517				
	C.	Other (specify:)							
	тс	TAL [should equal Item 1]			518				
₋ 5.	Со	nsidering all of the foodsize fish ponds on your operation in 2009, wha	t was the:		Feet				
	a.	Average pond depth?			519				
	u.	, wordgo pond dopan			520				
	b.	Maximum pond depth?							
6.	Do	es this operation use the following measures for erosion control or imp	proving vehic	le access?					
					Code				
	a.	Vegetation on levee sides	. ₁ 🗌 Yes	₃ ☐ No	521				
	b.	Gravel on levee tops and/or sides	. ₁ 🗌 Yes	3 ☐ No	522				
7.	Fo	r the foodsize fish ponds, how many years do you usually wait betwee	n:		Years				
	a.	Draining your ponds?			523				
					524				
	b.	Complete renovation?			•				
8.	W	nich of the following best describes how foodsize fish pond water levels	s are manag	ed in the fall?					
			Code						
	a.	Release water to lower level	1		<u></u>				
	b.	Allow level to drop without intervention	2	(Enter Code)	525				
	c.	Maintain water level (do not let water level drop)	3						

١.		ich of the following was your primary method for regularly monitoring solved oxygen in foodsize fish ponds during 2009?			
			Code		
	a.	Automated sensors.	1		
	b.	Hand monitor (oxygen meter)	2	(Enter Code)	526
	c.	Other (specify:)	3		
	d.	Do not regularly monitor dissolved oxygen levels.	4		
					Horsepower
0.	Hov	w many horsepower of fixed aeration were used per surface acre of	foodsize fish	ponds?	527
				•	ter
101	w I v	want to ask questions about water quality and treatment			
11	\/\/h	nat was the average chloride level, in parts per million, of the water in f	oodsize		PPM 528
		n ponds on this operation during the summer?			
12.	Wh	nich of the following best describes the use of salt in foodsize fish pond	ls on this ope	eration during 20	09?
			Code		
	a.	Routinely add salt to maintain a desired chloride level	1		
	b.	Add salt only in response to health problems	2	(Enter Code)	529
	C.	Do not add salt to ponds		,	L
		·			DDM
13.	Wh	nat is the alkalinity of the water, in parts per million, used in the foodsiz	e		PPM 530
		n ponds on this operation?			
14.		nich of the following best describes the use of calcium (ag lime, hydrate coodsize fish ponds on this operation?	ed lime, or gy	/psum)	
			Code		
	a.	Routinely add calcium to maintain a desired alkalinity and hardness	1		
	b.	Add calcium only in response to health problems	2	(Enter Code)	531
	c.	Do not add calcium to foodsize fish ponds	3		
15.		nich of the following best describes the frequency of water quality ting in foodsize fish ponds on this operation in 2009?			
			Code		
	a.	At least once a month [ask Item16]	1		
	b.	Less than once a month	2	(Enter Code)	532
	c.	In response to health problems only	3		
	d.	Not tested	4		

[IF ITEM 15 DOES NOT EQUAL A, Skip to Item 17]

		w many times per month were foodsize fish ponds tested the following water quality characteristics?	Times per month
	101	the following water quality characteristics.	533
	a.	Ammonia	
	b.	Chloride	534
	D.	·	535
	C.	Nitrite	
17.	Wh	nich of the following best describes how this operation manages algae?	
		Code	
	a.	Prevent algae overgrowth with a control program [ask Item 18] 1	
	b.	Control bloom only in response to problems such as off-flavor	536
	c.	No algae control treatments	
		MAT DOTO NOT FOUND. A Chin to Continu Ol	
Įŀ	!!E	M 17 DOES NOT EQUAL A, Skip to Section C]	Ponds
			537
18.	Du	ring 2009, how many ponds were included in the algae control program?	
19.	Du	ring 2009, did you use the following methods to control algae?	
			Code
	a.	Copper sulfate (CuSO ₄) or other copper formulation ₁ Yes ₃ No	538
	a.	Supplies suitate (OutO4) of other copper formulation	539
	b.	Diuron	
	C.	Biological control (i.e., Threadfin or gizzard shad)	540
	0.	Blological contact (i.e., threading of gizzard chady).	541
	d.	Other (specify:)1 Tyes 3 No	
[IF	ITE	EM 19 A OR B DOES NOT EQUAL YES, Skip to Section C]	
			Month
			542
20.	Dι	uring 2009, in which month did you start algae control?	540
21.	Dι	uring 2009, in which month did you end algae control?	543
			Weeks 544
22.	Du	uring 2009, how many weeks did you wait between algae control treatments?	i :



FEEDING and HARVESTING PRACTICES

[Qı	iestions refer to foodsize f	iish feeding	only.]					
	•							Tons
1.	During 2009, how many tor	ns of feed we	ere fed to food	dsize fish on	your operati	on?		601
	(If unknown, how many ton	s were purc	hased or deliv	ered to the c	peration in 2	2009?))	
2.	What percentage protein fe	ed was prim	narily fed to yo	our foodsize f	ish in 2009?	,		
		·			(Code		
	a. 28 percent		• • • • • • • • • • • • • • • • • • • •			1		
	b. 32 percent	• • • • • • • • • • • • • • • • • • • •				2	(Enter Code)	602
	c. 35 percent					3		
	d. Other percent protein (specify:		···		4		· · · · · · · · · · · · · · · · · · ·
								Pounds
3.	During 2009, how many po of fish harvested (feed con-							603
4.	During the following times	of the year in	n 2009, what f	eeding meth	od was mos	t comn	nonly used?	
		Every day to satiation (all	Every day but with a	Feed on alternate	Feed on alternate days with a maximum			
		they can eat)	maximum feeding limit	days	feeding limit		Other	Code
	a. March-April	1 🔲	2 🗆	з 🗆	4 🗆	5 🗆	Specify	604
	b. May-August	1 🗆	2 🗆	з 🗆	4 🗆	5 🗆	Specify	605
	c. September-October	1 🗆	2 🗆	з 🏻	4 🗆	5 🗆	Specify	606

								Percent body weight
5.	When feeding at a fixed rat do you use to calculate the							607
								Days per week
6.	During the winter (Decemb per week do you feed your				in winter en	tor QQ'	1	608

Pounds per acre

		ing 2009, what was the average pounds per acre, per day, fed during t the highest feed usage?			609
					Pounds per acre
		ing 2009, what was the highest daily feeding rate, in pounds per acre,			610
	for a	any single foodsize fish pond on this operation?			
9.	For	this operation, what is the most important reason for deciding which	feed to buy	?	
			Code		
	_	Drive	1		
		Price			
		Quality such as premium, standard, economy	2		611
	C.	Past performance of feed on your operation	3	(Enter Code)	
	d.	Reputation of the feed mill.	4		
	e.	Other (specify:	5		
The	ne:	xt 3 questions ask about channel and channel/blue hybrid catfish.	,		
				Channel catfish	Channel/Blue Hybrid
10.		ing 2009, how many pounds of channel and channel/blue hybrid dsize fish were harvested?	. Pounds	613	615
11.	Wh	at was the number of foodsize fish harvested (if known)?	. Number	612	614
12.		ring 2009, what percentage (by weight) of your channel and annel/blue hybrid foodsize fish harvest was from:		Channel catfish	Channel/Blue Hybrid
	•	Multibatch production (understocking, topping, or continuous harvesti	20/2	616	619 %
	a.	munibater production (understocking, topping, or continuous marvesti	ig):	617	620
,	b.	Single batch (clean harvesting)?		<u> </u>	+
	c.	Other? (specify:)		618	621 %
	то	TAL		100%	100%
13.	Wh	nich of the following best describes who primarily harvests foodsize fish	on this ope	eration?	
			Code		
	a.	Employees of this operation	11		
	b.	Custom harvest crews	2		
	c.	Processing plant harvest crew	3	(Enter Code)	622
	d.	Fee fishing (angling)	4		
	e.	Other? (specify:)	5		



FOODSIZE FISH HEALTH AND PRODUCTION ISSUES

Now I'm going to ask questions about foodsize fish health issues.

						С	Code
1.	During 2009, did this operation stock are enteric septicemia of catfish (ESC) into			₁ □ Yes	з □ No	701	
	chiene septicemia of datism (200) into	100usize listi	ι μοπαστ		3 🗀 140		
	[IF NO, Skip to Item 5]						
						Pe	ercent
2.	In 2009, what percentage of fish that we were vaccinated for ESC?					702	04
	were vaccinated for ESC?			• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •		%
							Code
3.	During 2009, did you have any ESC ou foodsize fish ponds that contained ESC		fish?	₁ □ Yes	з □ No	703	
	Todasizo non pondo mar comamos 200	, raconnatou i		1 🗀 .00	3 🗀 👯		
						704	Code
	IF YES, was any medicated feed fed to	these vaccin	nated fish?	₁ Yes	3 🗌 No	704	
4.	Would you say that the performance of when compared to fish in ponds withou				worse for:		
		Better	Same	Worse	Don't Know		Code
	a. SURVIVAL rates?	1	2 🔲	з 🔲	4 🔲	705	
	b. GROWTH rates?	1	2 🗆	з 🗆	4 🗆	706	
Ne	xt, I'll be asking similar questions, bu	t now regard	ding columnaris v	/accinations.			
						С	Code
5.	During 2009, did this operation stock ar against columnaris into foodsize fish po	ny fish vaccin onds?	nated	₁ Yes	₃ □ No	707	
	[IF NO, Skip to Item 9]						
						Pe	ercent
6.	In 2009, what percentage of fish that we					708	
	fish ponds were vaccinated for columna	aris		• • • • • • • • • • • • • • • • • • • •			%
						С	Code
7.					,	709	
	foodsize fish ponds that contained colu	mnaris vaccir	nated fish?	. 1 LJ Yes	₃ ☐ No	710	
	IF YES, was any medicated feed fed to	these vaccin	ated fish?	. 1 🗌 Yes	3 🗌 No	710	ļ

8. Would you say that the performance of fish in the ponds with columnaris vaccinated fish, when compared to fish without columnaris vaccinated fish, was better, the same, or worse for:

			Better	Sam	ne V	Vorse	Don't Know	C	ode
	a.	SURVIVAL rates?	1	2 🗆]	з 🔲	4 🗆	711	
	b.	GROWTH rates?	1	2		з 🗆	4 🗌	712	
9.	W	hat percentage of the foodsize fish to	be stocke c	d in 2010 \	will be vaccina	ated for:		Pe	rcent
	a.	ESC?						713	%
	b.	Columnaris?					,	714	%
		ow going to ask questions about lo edation on your operation in 2009.		o disease	, dissolved o	xygen pro	blems		
	. Fo	r 2009, please estimate the number oveeks) as well as the number of acre rormal" or "background" production los	of ponds with s represente						
					Major losse	es > 5% inv	entory		
					715				
		a. Number of ponds with lo	sses	-	716		ponds		
		b. Number of acres in the p	onds with lo		/ 10		acres		
		c. Pounds sold per acre fro the ponds with losses		1	717		lbs/acre		
		·		1				Davis	
								718	ls per acre
11. In ponds that did not have major losses in 2009, what was the average pounds sold per acre?									
12	Of	ring 2009, how many of your foodsiz those, rate the severity of the loss do derate with 200 – 2,000 pounds, or	uring 2009 a	as light wif	th less than 20	00 pounds,	?		
	1110	Sucrate Will 200 2,000 pounds, or							T
					AV		s per Outbreak < 200 lbs		
		Cause of Loss		Number of Ponds			00 – 2,000 lbs > 2,000 lbs		Code
_				719		Severe -	> 2,000 lbs		720
	a.	Enteric septicemia (ESC, hole-in-holesease)	eau	7 10	1 Light	₂ \square Mode	erate 3 Seve	ere	
	b.	Columnaris		721	1 ☐ Light	2 Mod	erate ₃ ☐ Seve	ere	722
	c.	lch		723	1 Light	₂ \square Mod	erate 3 🗌 Seve	ere	724
	d.	Proliferative gill disease (PGD, hamburger gill disease)		725	1 ☐ Light	₂ \square Mod	erate ₃ ☐ Seve	ere	726
	е.			727	1 Light	₂ Mod	erate 3 🗌 Seve	ere	728
	f.	Winter kill (fungus – Saprolegnia)		729	1 ☐ Light	₂ Mod	erate 3 Seve	ere	730
	g.	VTC (twisted gut, visceral toxicosis	s, butulism)	731	1 ☐ Light	₂ Mod	erate ₃ ☐ Seve	ere	732
	h.	Trematodes		733	1 ☐ Light	₂ Mod	erate ₃ ☐ Seve	ere	734
	i.	Predation (birds or other animals)		735	1 Light	₂ \square Mod	erate ₃ Sev	ere	736
	j.	Low dissolved oxygen		737	1 Light	₂ \square Mod	erate 3 🗌 Sev	ere	738
	k.	Other known causes? (specify)	739	1 Light	₂ \square Mod	erate 3 🗌 Sev	ere	740

13.	. If your operation grows both channel catfish and channel/blue hybrids, how would you compare their resistance (ability to avoid disease) to the following diseases?							
	1 = Channels more resistant 2 = Hybrids more resistant 3 = No difference 4 = Don't know	Code						
	a. Enteric septicemia (ESC, hole-in-head disease).	741						
	b. Columnaris	742						
	c. Proliferative gill disease (PGD, hamburger gill disease)	743						
	d. Edwardsiella tarda	744						
14.	In 2009, did you have any dockage due to:	Code 745						
	a. red flesh in fish?							
	b. yellow flesh in fish? 1 Yes 3 No							
		Code						
15.	In the past 3 years has this operation had fish health problems related to algal toxins?	747						
		77.00						
16.	During 2009, did you have a problem with snails in any	Code 748						
	of your foodsize fish ponds? 1 Tes 3 No							
	Did you use any of the following measures to control snails in foodsize fish ponds?							
		Code						
	a. Lime	749						
	b. Copper	750						
	c. Weed control	751						
	d. Biological control	752						
	e. Other (specify) 1 Yes 3 No	753						
		Code						
17.	During 2009, did this operation feed any medicated feed to foodsize fish? 1 Yes 3 No	754						
	3 _ NC	<u> </u>						

IF YES, how many tons of the following medicated feed were fed to fish in foodsize fish ponds during	2009?					
	Tons					
a Feed with Terramycin	755					
	756					
b. Feed with Romet	757					
c. Feed with Aquaflor						
During 2009, were any foodsize fish submitted to a diagnostic laboratory for the following reasons?						
	Code 758					
a. Early problem detection						
b. Confirming cause of disease 1 Tes 3 No	759					
c. Identifying unknown disease	760					
d. Other reasons (specify:)	761					
	Code					
During 2009, did you have any fish mortalities primarily due to Aeromonas that were diagnosed by a diagnostic laboratory?	762					
ANY RESPONSE IN ITEM 19 EQUALS YES, Skip to Item 221						
Which of the following was the primary reason that you did not submit any foodsize fish samples to a diagnostic laboratory during 2009?						
Code						
a. Inconvenient						
b. Information rarely of use (does not help control disease)	700					
c. Already knew what the disease was	763					
d. No substantial disease problems. 4						
e. Other (specify:) 5						
w I'd like to ask questions about off-flavor.	Ponds					
OO During 2000 from how many many and suggested to the beauty and						
	•••					
[IF NONE, Skip to Part III]	Ponds					
. During 2009, how many ponds had off-flavor problems that delayed the planned harvest date?	765					
	a. Feed with Romet. c. Feed with Aquaflor. During 2009, were any foodsize fish submitted to a diagnostic laboratory for the following reasons? a. Early problem detection. b. Confirming cause of disease. c. Identifying unknown disease. d. Other reasons (specify: During 2009, did you have any fish mortalities primarily due to Aeromonas that were diagnosed by a diagnostic laboratory? ANY RESPONSE IN ITEM 19 EQUALS YES, Skip to Item 22] Which of the following was the primary reason that you did not submit any foodsize fish samples to a diagnostic laboratory during 2009? All Inconvenient. b. Information rarely of use (does not help control disease). c. Already knew what the disease was. d. No substantial disease problems. e. Other (specify: During 2009, from how many ponds were any foodsize fish harvested?. [IF NONE, Skip to Part III]					

[IF NONE, Skip to Part III]

24.	How many of the off-flavor harvest-delayed ponds were treated with the following?		Ponds
	a.	Diuron only	766
	b.	Copper sulfate only	767
	C.	Both Diuron and copper sulfate	768
	d.	No treatment.	769
	<u>.</u>	TOTAL [should equal Item 23]	770
		TOTAL phodid equalitem 20j	
25.	Нον	w many days was the planned harvest date delayed because of off-flavor:	Days
	a.	On the pond with the shortest delay?	771
	b.	On the pond with the longest delay? [Enter 999 if ongoing]	772
	C.	What was the average delay during 2009 on this operation?	773
13. TO 15	15,44		
		PART III: GENERAL BACKGROUND	
lf n on	eith the	er fingerlings nor foodsize fish were raised on this operation during 2009, go to Part IV next page and code the operation as "No catfish" or "Out of Business".	
1.	Doe	es this operation keep written or computerized records related to:	Code
,	a.	Stocking? 1 TES 3 NO	801
	b.	Harvesting?	802
	c.	Disease?	803
	d.	Feeding? 1 TYES 3 NO	804
	e.	Water quality?	805
	f.	Breeding? 1 TYES 3 NO	806
	g.	Other (specify:) 1 YES 3 NO .	807
			Number
2.		w many emergency aerators (power take-off or PTOs) are available use on this operation?	808
			Percent
3.		ou were to stock fingerlings vaccinated against ESC or columnaris, at least what percent of the cinated fish would you expect to be protected from the disease?	809 %

PART IV: CONCLUSION

ENTER INTERVIEW RESPONSE CODES

- [1] No catfish on January 1, 2009, not eligible for this survey.
- [2] Out of business.
- [3] Refusal of General Catfish Management Report.

[Check reason under Enumerator Note below.]

9001

- [4] Complete.
- [7] Out of scope for General Catfish Management Report.
- [9] Inaccessible.

(ENUMERATOR NOTE; If Code 3, then select the code below that best fits)

- [1] Does not want to commit time to the project.
- [2] Does not want involvement with government program.
- [3] Does not have necessary records available.

Code 9002

- [4] Has participated in too many surveys.
- [6] A bad time of year (planting, harvesting, second job, etc.).
- [8] Believes that surveys and reports hurt the farmer more than help.
- [10] No reason given, or other miscellaneous reasons.

Ending Time
9003

ENDING TIME [MILITARY]....

For Office Use Only										
Response		Respondent		Mode		R Unit	Enum.	Eval.		
1-Comp 2-R 3-Inac 4-Office Hold 5-R – Est 6-Inac – Est 7-Off Hold – Est 8-Known Zero	9901	1-Op/Mgr 2-Sp 3-Acct/Bkpr 4-Partner 9-Oth	9902	1-Mail 2-Tel 3-Face-to-Face 4-CATI 5-Web 6-e-mail 7-Fax 8-CAPI 19-Other	9903	0921	098	100		

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0359. The time required to complete this information collection is estimated to average 45 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

NOTES

1			