

DRAGON FISH FARM REGISTRATION SCHEME

INTRODUCTION

- 1 In accordance with Fisheries Act (Chapter III, section 7), 10(a) of the Fisheries (Import, Export and Marketing)(Amendment) Rules, 2000, this document contains guidelines specific to the “Dragon Fish Farm Registration Scheme”, hereinafter referred to as “the Scheme”.
- 2 The Dragon Fish is listed by CITES – The Convention of International Trade in Endangered Species of Fauna and Flora – as an endangered species. To protect the Dragon Fish, CITES has banned the trade of Dragon Fish from wild populations, and in recognition of market demand, to permit and ensure that only captive bred Dragon Fish can be traded. To this end, each captive bred Dragon Fish must be inserted with a microchip tag as proof that it is captive-bred.
- 3 Under the Scheme, the member may apply to Agri-Food & Veterinary Authority (AVA) for permission to tag and register his/her own Dragon Fish. The Member may also apply to AVA to certify the identity of Dragon Fish of **F₂ generation and beyond** (i.e., 2nd, 3rd, etc., filial generation). Alternatively, the member may apply to request AVA to tag, register and/or certify his/her Dragon Fish.
- 4 Only Dragon Fish of F₂ generation and beyond certified by AVA are allowed for retail trade in Singapore, and for export to other countries. The display and trade of such fish are permitted only in approved premises registered with AVA for such purposes.
- 5 All submission/application to AVA must be made to the Aquaculture Services Centre, Aquaculture Branch, Sembawang Research Station, Lorong Chencharu, Singapore 769194 (Tel: 67519851; Fax: 67523242).
- 6 The Director-General of the Agri-Food & Veterinary Authority will be the sole authority for administering the Scheme, and his interpretation of the Scheme or any part thereof will be final.

INTERPRETATIONS

- 7 For the purpose of this document, the following definitions apply:

AVA

Agri-Food & Veterinary Authority

Breeding Programme	A plan which depicts the method of propagating the Dragon Fish maintained at the registered farm.
Captive Breeding Stocks	Population(s) of Fish of Founder Stock, first filial generation and beyond, each being at least 50 cm in length and above, and kept and maintained at the registered farm, and used for the purpose of propagation through breeding.
Captive Bred	Bred in Captivity
Certificate of Identity	Certificate issued by the country of origin, certifying the tagged Dragon Fish to be F ₂ and beyond generation produced through captive breeding.
CITES	Convention of International Trade in Endangered Species of Fauna and Flora
DFTO	Dragon Fish Tagging Operator: An AVA-certified operator who is permitted to tag the Dragon Fish belonging to his/her own farm or his/her employer farm registered under AVA. The operator must undergo and pass the AVA Dragon Fish Tagging Operation Test prior to AVA certification as a DFTO.
Dragon Fish	All varieties of fish under the species, <i>Scleropages formosus</i>
F ₀ Generation	Dragon Fish of unknown parentage
F ₂ and beyond	Any generation of fish after the first (1 st) filial generation.
Filial Generation	Any generation of fish from the Founder Stock
Founder Stock	Dragon Fish to be stocked in the farm for use as brooders at the time of registration.

Registered Farm

Farm whose address appears in the applicant's registration in the Scheme.

SCOPE

- 8 Fish farmers involved in farming and breeding Dragon Fish in Singapore may apply to be a member of the Scheme.

CONDITIONS FOR MEMBERSHIP APPLICATION

- 9 Application for membership in the Scheme is based on the submission of application form to AVA and an inspection of the farm and Dragon Fish by AVA officers.

[Please use Form DF10.1A – Application for Membership](#)

- 10 Criteria for membership application are as follows:
- a) The applicant must possess a valid AVA farm license for a farm wherein captive-bred Dragon Fish are to be produced. The address of this farm will be deemed to be the registered place of breeding of the Dragon Fish.
 - b) The applicant must own a minimum number of 50 pieces of Captive Breeding Stock of Dragon Fish at any one time in the registered farm.
 - c) The applicant must declare the number of fish in the captive breeding stocks owned at the time of seeking registration and submit a breeding programme.
 - d) The applicant must agree to abide by all conditions and regulations stated by AVA under the Scheme.
- 11 The Director-General would assess the application for membership and approve an application subject to such terms and conditions as he may consider necessary. He may at his discretion reject an application for membership already approved without assigning any reason(s).
- 12 Successful applicants would be registered as a member of the Scheme. Membership will be valid for 12 months or the period of validity of the farm licence, whichever is shorter. Membership is non-transferable.

CONDITIONS FOR MEMBERSHIP

13 Member of the Scheme must abide by the following conditions:

Stocking and harvesting of Fish

- a) to rear all captive breeding stock and their Filial Generation(s) in accordance to different generations in separate ponds;
- b) to submit a declaration to AVA of the numbers and particulars of all captive breeding stocks of Dragon Fish held in the registered farm at the time of annual renewal of membership;

[Please use Form DF10.1B – Application for Renewal of Membership](#)

- c) to use a harvesting technique that enables AVA officers to verify the parental lines of offspring produced, such as witnessing the collection of fry from the mouth of a brooder;
- d) to inform AVA of the occasion for the harvesting of Dragon Fish of any generation produced at the registered farm one week before the harvest, whereupon AVA officer(s) may inspect the progeny;

[Please use Form DF10.2 – Request for Inspection of Harvest](#)

- e) to submit a return on the number of Dragon Fish fry harvested and their survival within a week after inspection date;

[Please use Form DF10.3 – Return on Harvest of Dragon Fish Fry](#)

- f) to maintain a complete record of the numbers and date of collection of the progeny from the Dragon Fish brooders and the batch of captive breeding stock from which these progeny were collected from;

Tagging of Dragon Fish

- g) to have all Dragon Fish stocks of all generations in the registered Farm tagged with AVA approved tags. The fish must be tagged within 1 year from the date of harvesting or when they are due for export or sale, whichever is earlier. After tagging is completed, all F₂ generation and beyond fish will be issued a Certificate of Identity by AVA;
- h) The tagging can be done either by AVA or a DFTO, who must be the owner or an employee of the farm at the time of tagging;

Tagging by AVA

- i) the member may apply to request AVA to tag, register and/or certify his/her own Dragon Fish;

[Please use Form DF10.4 – Request for Tagging/Registration of Dragon Fish](#)

- ii) the member will pay to AVA the fee for the tagging, registration and/or certification of Dragon Fish, the amount of which is \$35.00 per fish. The amount of the fee may be revised from time to time as deemed fit by AVA;

Tagging by DFTO

- iii) to submit the application form for DFTO to AVA. DFTO must undergo and pass the AVA Dragon Fish Tagging Operation Test prior to certification by AVA;

[Please use Form DF20.1 – Application Form for DFTO](#)

- iv) to submit a schedule to AVA of all Dragon Fish tagging operations to be performed by their respective DFTO at least three working days before the proposed tagging date, and all tagging operations must be carried out during the stipulated time in the schedule;
- v) to report any changes to the schedule at least 1 working day before the proposed tagging date;

[Please use Form DF20.2\(A\) – Schedule of Dragon Fish Tagging Operation](#)

- vi) to maintain and submit to AVA a complete record of all Dragon Fish tagging operations performed by their respective DFTOs;

[Please use Form DF20.2\(B\) – Report of Dragon Fish Tagging Operation](#)

- vii) to purchase only tags from AVA authorised suppliers and to submit the record of purchase to AVA within a week after the purchase;

[Please use Form DF20.3 – Dragon Fish Tag Purchase Record Form](#)

- viii) to report tags that are lost/damaged to AVA immediately;

Please use Form DF20.4 – Dragon Fish Tag Loss/Damage Record Form .—

- ix) From 1st of Sep 2003, members had three options under the new scheme either to
 - a) The issuance of Dragon Fish Certificate of Identity by AVA will be optional upon request by farmers
 - b) The tagging of Dragon Fish will be offered as a service, which is chargeable by existing professional/technical fee.
 - c) The old fees of \$35 (Registration, Certification & Tagging) and \$6.50 (Registration & Certification) will no longer be valid and will be replaceable by the new fees as follows:

Fee for registration of each Dragon Fish	: \$2.10*
Certification of each Dragon Fish	: \$5.20*

*All fees chargeable by AVA includes prevailing GST rate. The amount of the fee may be revised form time to time as deemed fit by AVA.

Others

- i) to allow AVA to take tissue and/or blood samples of individual Dragon Fish maintained and produced in the registered farm as and when necessary;
 - e) j) to abide by any other conditions which may be imposed by AVA from time to time.
- 14 The member must submit to AVA, at the time of membership renewal, a breeding programme for the Dragon Fish population maintained at the registered farm (Form DF10.1A), and maintain the captive breeding stocks in accordance to AVA requirements, to the satisfaction of AVA, namely,
- a) all captive breeding stocks must be established in a manner not detrimental to the survival of the species in the wild;

- b) all captive breeding stocks are maintained without augmentation from the wild, except for the occasional addition of fish, eggs or gametes from wild populations to prevent deleterious inbreeding, and any such addition by the Member must be applied to AVA for approval;
 - c) all captive breeding stocks are managed in a manner designed to maintain such stocks indefinitely.
- 14 Members are allowed to trade Dragon Fish produced in their farms through captive breeding, only AFTER they have successfully produced offspring of F₂ generation and beyond. For the export of dragon fish, members are further required to register with the Convention of International Trade in Endangered Species of Fauna and Flora (CITES) for approval.
- 15 The member must maintain sales records of the Dragon Fish for AVA's inspection. For each fish produced at the registered farm and sold, the following particulars must be recorded:
- a) serial number of the tag,
 - b) serial number of the Certificate of Identity,
 - c) date of sale, and
 - d) name, identity card number, and address of purchaser.

LIST OF FORMS APPLICABLE TO SCHEME (SEE ATTACHED)

Membership

FORM DF10.1A Application for Membership in the Dragon Fish Farm Registration Scheme

FORM DF10.1B Application for Renewal of Membership in Dragon Fish Farm Registration Scheme & Declaration of Captive Breeding Dragon Fish Stocks

Harvesting

FORM DF10.2 Request for Inspection of Harvest of Dragon Fish Fry

FORM DF10.3 Return on Harvest of Dragon Fish Fry

Tagging

FORM DF10.4 Request for Tagging, Registration and/or Certification of Dragon Fish

FORM DF20.1 Application Form for Dragon Fish Tagging Operator (DFTO)

FORM DF20.2(A) Form for Schedule on Dragon Fish Tagging Operations by Dragon Fish Tagging Operator (DFTO)

FORM DF20.2(B) Report of Dragon Fish Tagging Operations performed by Dragon Fish Tagging Operator (DFTO)

Others

FORM DF20.3 Dragon Fish Tag Purchase Record Form

FORM DF20.4 Dragon Fish Tag Loss/Damage Record Form

**APPLICATION FOR MEMBERSHIP IN THE DRAGON FISH FARM
REGISTRATION SCHEME**

Instructions:

- 1 Please fill in the particulars as requested.
- 2 Attach a copy of up-to-date "Instant Information (Business Profile)" print out from the Registry of Companies and Businesses, an architectural plan of the farm from which the F₂ and beyond Dragon fish are to be produced, and a Dragon fish breeding programme.

PART I

Particulars:

- 1 Name _____
- 2 Identity Card No. _____
- 3 Address of applicant (as in I/C)

- 4 Name and address of Company/Business Firm

- 5 Telephone No. (office) _____ Fax. No. _____
- 6 Address of farm to be registered as site where Dragon fish
breeding take place
_____ Singapore _____
- 7 AVA Farm Licence No. _____
- 8 Dragon Fish owned by applicant at time of registration
 - a) Total number _____
 - b) Number of Founder Stock* _____

* (Note: a minimum number of 50 pieces is required).

Photo
of
Applicant

Declaration

I, _____ (Name of Applicant), wish to apply to be a member of the above Scheme to tag and certify the identity of F₂ and beyond dragon fish, and declare that I have read and understood the conditions of the Scheme and will abide by them and that the above information given by me is true and correct.

Company's
Stamp, if
applicable

(Signature of Applicant)

(Date)

PART II

BREEDING PROGRAMME OF DRAGON FISH

(Instructions: Please use one set of form for each variety of Dragon Fish)

Name of Company : _____

Date of Submission : _____

Variety of Dragon Fish : _____

1 Founder stock

Year stock	No of fish	Size	Year of maturity
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2 Production of F₁

Year	No. of matured fish (F)	No. of offspring
------	-------------------------	------------------

3 F1 spawners and new recruit

Year stock	No. of F1	No. of new recruit	Total	Year of maturity
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4 F2 production

Year	No. of matured fish (F1)	No. of offspring
------	--------------------------	------------------

5 F2 spawners and new recruit

Year stock	No. of F2	No. of new recruit	Total	Year of maturity
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6 F3 production

Year	No. of matured fish (F2)	No. of offspring
------	--------------------------	------------------

**APPLICATION FOR RENEWAL OF MEMBERSHIP IN DRAGON FISH FARM
REGISTRATION SCHEME**

To : Director-General of Agri-Food & Veterinary Services
(Attn: Head, Aquaculture Services Centre, Aquaculture Branch)
Agri-Food & Veterinary Authority
Sembawang Research Station,
Lorong Chencharu,
Singapore 769194

I, _____ (NRIC No. _____) the
owner of _____ (Name of Company),
AVA Farm Licence No. _____, at _____

_____ (Address)

wish to apply for renewal of membership for the above Scheme administered by the Agri-Food & Veterinary Authority. My current membership number _____ is expiring on _____.

2 I agree to observe and be bound by the terms and conditions as laid down for membership in the Dragon Fish Farm Registration Scheme, a copy of which is in my possession.

3 I agree to submit a declaration to AVA of the numbers and particulars of all Captive Breeding Stocks of Dragon fish held in the registered farm at the time of the annual renewal of membership.

Date _____ Signature of Applicant _____

Company's Stamp, if any _____

DECLARATION OF CAPTIVE BREEDING DRAGON FISH STOCKS

Instructions:

- 1 To be submitted at the time of annual renewal of membership;
- 2 Attach a copy of an architectural plan of the farm, indicating the location of all ponds whereby the Dragon Fish are stocked/produced;
- 3 Period of reporting should cover the whole calendar year preceding the renewal of membership;
- 4 Please provide details (tag nos., origin, etc.) of mortality, replacement and addition to the captive breeding stock

Name of Company : _____

Membership Scheme No. : _____

Date of Submission : _____

Period of Reporting : _____

DECLARATION:

I declare that the information given as attached is true and correct and that the Dragon Fish are bred/kept* in my farm at _____
_____ (Address).

Name : _____

Signature : _____

Date : _____

Tel/Fax : (TEL) _____ (FAX) _____

Company's Stamp :

* delete if not applicable

DECLARATION OF CAPTIVE BREEDING DRAGON FISH STOCKS

DF10.1B

Page ___ of ___

Variety : RED / GOLDEN / GREEN / OTHERS * (Please use separate sheet for each variety)

(Please indicate no. of pages)

F₀ Stock		No. of Fish						No. of fry harvested from batch
Batch No.	Pond No.	At Stocking	Mortality	Addition	Replacement	Remaining		
1								
2								
3								
4								
5								
Total:								
F₁ Stock		No. of Fish						No. of fry harvested from batch
Batch No.	Pond No.	At Stocking	Mortality	Addition	Replacement	Remaining		
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
Total:								

DECLARATION OF CAPTIVE BREEDING DRAGON FISH STOCKS

DF10.1B

Page ___ **of** ___

(Please indicate no. of pages)

Variety : RED / GOLDEN / GREEN / OTHERS * (Please use separate sheet for each variety)

	F₂ and Beyond Stock		No. of Fish					No. of fry harvested from batch
	Batch No.	Pond No.	At Stocking	Mortality	Addition	Replacement	Sold	
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
		Total:						
		Grand total:						

REQUEST FOR INSPECTION OF HARVEST OF DRAGON FISH FRY *
***(Larvae / Fingerling)**

Instructions:

- 1) Application should be made personally or by fax at least one week in advance of the harvest date to Head, Aquaculture Services Centre, Aquaculture Branch, Sembawang Research Station, Lorong Chencharu, Singapore 769194 (Fax: 67523242; Tel: 67519847/67519851).
- 2) Please use one Form for each batch of fish. (A batch refers to the total stock of fish in a single pond.)

To Director-General of the Agri-Food & Veterinary Services

1 Membership Scheme No. : _____

2 Date requested
 for inspection: _____

3 Pond No.: _____

4 Fish Batch No.: _____

5 Estimated No. of brooders: _____

Signature of Applicant: _____

Name of Applicant: _____

Application Date: _____

Company's Stamp: _____

FOR OFFICE USE:

1 Name of Inspection Officer: _____

2 No. of fish with offspring: _____

3 Total No. of fry collected: _____

4 Signature: _____

5 Date of Inspection: _____

RETURN ON HARVEST OF DRAGON FISH FRY*
*(Larvae/Fingerling)

Instructions:

- 1) This Form should reach Head, Aquaculture Services Centre, Aquaculture Branch at Sembawang Research Station, Lorong Chencharu, Singapore 769194 (Fax: 67523242; Tel 67519847/6791851) WITHIN ONE WEEK after harvest of the Dragon Fish fry from each batch. (A batch refers to the total stock of fish in a single pond).

To Director-General of Agri-Food & Veterinary Services

- 1 Date of harvest : _____
- 2 Fish batch No. : _____
- 3 Pond No. : _____
- 4 No. of brooders checked : _____
- 5 No. of brooders with fry : _____
- 6 Remarks : _____

Tag number of brooding fish	Number of fry harvested	Tag number of brooding fish	Number of fry harvested
1		8	
2		9	
3		10	
4		11	
5		12	
6		13	
7		14	

DECLARATION

I declare that the above information given is true and correct and that the Dragon
Fish fry are bred in my farm at

_____(address).

Name : _____

Signature : _____

Date : _____

Company's stamp :

FOR OFFICE USE

Information verified by : _____

Remarks :

Signature of Officer

REQUEST FOR TAGGING, REGISTRATION AND/OR CERTIFICATION OF DRAGON FISH

Instructions:

- 1) This form should be used if member wishes to request AVA to tag, register and/or certify his/her Dragon Fish
- 2) Application should be made personally or by fax at least one week in advance of tagging date to the Head, Aquaculture Services Centre, Aquaculture Branch, Sembawang Research Station, Lorong Chencharu, Singapore 769194 (Fax: 67523242; Tel: 67519847/67519851)
- 3) Please use one Form for each batch of parent fish. (A batch refers to the total stock of fish in a single pond).

To Director-General of Agri-Food & Veterinary Services

- 1) Membership Scheme Number: _____ 2) Application Date: _____
- 3) Please state purpose of tagging by ticking the appropriate box
 Tagging of Fry/Adults for Brood-Stock Development Tagging/Certification of Fry for F₂ and beyond Status
- 4) No. of fish for tagging and/or certification : _____
- 5) Batch No. of Parent Fish (if applicable) : _____
- 6) Date of Harvest: _____

	Sources of fish (Adult Fish only)	Tag Number of Brooding Parent	Number of fry Harvested	Number of fry to be tagged	Office Verification
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					

DECLARATION:

I declare that the above information given is true and correct and that the Dragon
Fish are bred/kept* in my farm at _____
_____(address).

Name : _____

Signature : _____

Date : _____

Company's Stamp :

FOR OFFICE USE:

Spawning checked on: _____ (if applicable)

Recommendation: Tagging / Certification* Supported/Not Supported

Name of Officer & Signature: _____

Comments by Sr Programme Manager, ASC : Approved/Not Approved

Remarks (if any) : _____

Signature of Sr Programme Manager, ASC

Fish tagged by : _____

No. of fish tagged : _____

Serial No. of certificate issued : _____
(if applicable)

Signature of Officer

Note : To append copies of Certificate of Identity issued under this Form (if applicable).

* delete if not applicable

APPLICATION FORM FOR DRAGON FISH TAGGING OPERATOR (DFTO)

Instructions:

- 1) Please use this form only if you undertake to tag your own Dragon Fish
- 2) The applicant must be the owner or an employee of the farm. The applicant will be certified as a DFTO after successfully passing a Dragon Fish tagging practical test arranged by AVA.
- 3) Please use one set of form for each applicant.

To Director-General of Agri-Food & Veterinary Services

Name of Company: _____

Date of Application: _____

Particulars of Applicant

Name of Applicant _____

Position Held _____

Identity Card No. _____

Date Joined the Company _____

Photo
of
Applicant

Declaration by Member

I, _____ (Name of Member), wish to register
 _____ (Name of Applicant), the owner/an employee*
 of the above-mentioned company, and declare that the above information given by me is
 true and correct. (* Delete where applicable)

Company's
Stamp, if
applicable

_____ (Signature of Member)

_____ (Date)

For Official Use (Approval by AVA)

Name : _____

Designation: _____

Signature: _____

Approval Status (please tick)

Approved

Not Approved

**FORM FOR SCHEDULE ON DRAGON FISH TAGGING OPERATION BY
DRAGON FISH TAGGING OPERATOR (DFTO)**

Instructions:

- 1) Please use this form only if you undertake to tag your own Dragon Fish
- 2) Form is to be submitted to AVA at least 3 working days before the proposed date of tagging operation. Any change of schedule is to be reported to AVA at least 1 working day before the proposed date of tagging operation
- 3) Please use one set of form for each tagging operation

DRAGON FISH TAGGING OPERATION SCHEDULE				
Company : _____				
Name of Member : _____			_____ Signature of Member	_____ Date
Membership No.: _____			Company Stamp :	
Proposed Date & Time of Tagging Operation : _____				
	Fish Variety	Number of Fish	Batch No.	Date of Harvest
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				

**REPORT OF DRAGON FISH TAGGING OPERATION PERFORMED BY
DRAGON FISH TAGGING OPERATOR (DFTO)**

Instructions:

- 1) Please use this form only if you undertake to tag your own Dragon Fish
- 2) Form to be submitted to AVA within 3 working days from the date of tagging operation
- 3) Please use one set of form for each tagging operation

DRAGON FISH TAGGING REPORT				
Company : _____				
Name of Member : _____			_____	_____
			Signature of Member	Date
Membership No.: _____				
Date & Time of Tagging Operation : _____				Company Stamp :
Total No. of Dragon Fish tagged: _____				
	Batch No.	Fish Variety	Tag No. / Bar Code Sticker	Name of DFTO
1				
2				
3				
4				
5				
6				
7				

DRAGON FISH TAG PURCHASE RECORD FORM

Instructions:

- 1) Please use this form only if you undertake to tag your own Dragon Fish
 - 2) All tags must be purchased from AVA authorised suppliers, and the record of purchase must be submitted to AVA within a week after the purchase
 - 3) Please attach a separate list of the tag numbers endorsed by your company
-

Name of Company : _____

Name of Tag Supplier : _____

Date of Purchase : _____

Number of Tags purchased : _____

Declaration

I, _____ (name of Member) declare that the above information given by me is true and correct.

Company's
Stamp, if
applicable

(Signature of Member)

(Date)

DRAGON FISH TAG LOSS / DAMAGE RECORD FORM

Instructions:

- 1) Please use this form only if you undertake to tag your own Dragon Fish
- 2) All tags lost/damaged must be reported to AVA immediately using this form
- 3) Please attach a separate list of the tag numbers lost/damaged endorsed by your company

Name of Company : _____

Name of Tag Supplier : _____

Date of Tags acquired : _____

Number of Tags lost : _____

Number of Tags damaged : _____

Declaration

I, _____ (name of Member) declare that the above information given by me is true and correct.

Company's
Stamp, if
applicable

(Signature of Member)

(Date)