



MarinTrust Standard V2

By-product Fishery Assessment, THA30

Japanese scad (*Decapterus maruadsi*) FAO 71

MarinTrust Programme

Unit C, Printworks

22 Amelia Street

London

SE17 3BZ

E: standards@marin-trust.com

T: +44 2039 780 819

Table 1. Application details and summary of the assessment outcome

Fishery Under Assessment	Species:	Japanese scad (<i>Decapterus maruadsi</i>)
	Geographical area:	FAO 71, Pacific, Western Central
	Country of origin of the product:	Thailand
	Stock:	Pacific Ocean, Northwest and Western Central
Date	October 2024	
Report Code	THA30	
Assessor	Sam Dignan	
Country of origin of the product - PASS	Thailand	
Country of origin of the product - FAIL	Not applicable	

Application details and summary of the assessment outcome			
Company Name(s): TC Union Agrotech Co. Ltd.			
Country:			
Email address:		Applicant Code:	
Certification Body Details			
Name of Certification Body:		LRQA	
Assessor	Peer Reviewer	Assessment Days	Initial/Surveillance/ Re-approval
Sam Dignan	Phoebe Schouten	0.2	Surveillance 1
Assessment Period	To December 2025		

Scope Details	
Main Species	Japanese scad (<i>Decapterus maruadsi</i>)
Stock	Pacific Ocean, Western Central
Fishery Location	FAO 71, Pacific, Western Central
Management Authority (Country/ State)	Thailand
Gear Type(s)	Purse seine, nets
Outcome of Assessment	
Peer Review Evaluation	Pass
Recommendation	PASS

Table 2. Assessment Determination

Assessment Determination
<p>Japanese scad has been categorised by the IUCN as a species of Least Concern and does not appear in the CITES appendices.</p> <p>No reference points or species-specific management measures are in place such that the stock was assessed under Category D and a productivity susceptibility analysis (PSA) undertaken.</p> <p>The subsequent risk assessment shows that while highly susceptible as a target species, the species is also highly productive such that the species is not categorised as vulnerable to the impacts of the fishery under consideration by D1 – D3 - Minimum Requirements.</p> <p>Therefore, it meets relevant MT requirements and should be approved for use as a raw material.</p>
Fishery Assessment Peer Review Comments
<p>The peer reviewer agrees that Japanese scad is not subject to any species specific management, is categorised as LC by the IUCN and is not found in ICES appendix 1 and is therefore correctly assessed as a category D species.</p> <p>The species was given a 1.33 for productivity and 3 for susceptibility in Table D1 which was checked by the peer review, and overall passes against table D3.</p> <p>The peer reviewer agrees with the assessment outcomes, and that Japanese scad in FAO 71 should be approved for use as Marin Trust raw material.</p>
Notes for On-site Auditor

Species Categorisation

NB: If any species is categorised as Endangered or Critically Endangered on the IUCN Red List, or if it appears in CITES Appendix 1, it **cannot** be approved for use as an MarinTrust raw material.

IUCN Red list Category

By-product material from a species listed by IUCN (the International Union for Conservation of Nature) under the Red List for the following categories shall immediately fail the assessment;

- EXTINCT (E) AND EXTINCT IN THE WILD (EW)
- CRITICALLY ENDANGERED (CR) facing an extremely high risk of extinction in the wild.
- ENDANGERED (EN) facing a very high risk of extinction in the wild.

By-product material may be used from the following categories provided that all clauses in the MarinTrust standard are passed.

- VULNERABLE (VU) facing a high risk of extinction in the wild.
- NEAR THREATENED (NT) does not qualify for above now, but is close or is likely to qualify for, a threatened category in the near future.
- LEAST CONCERN (LC) Widespread and abundant.
- DATA DEFICIENT (DD) and NOT EVALUATED (NE)

Table 3. Species Categorisation Table

Common name	Latin name	Stock	Management	Category	IUCN Red List Category ¹	CITES Appendix 1 ²
Japanese scad	<i>Decapterus maruadsi</i>	Pacific Ocean, Western Central	No	D	LC	No

¹ <https://www.iucnredlist.org/>

² <https://cites.org/eng/app/appendices.php>

CATEGORY D SPECIES

Category D species are those which are not subject to a species-specific management regime. In the case of mixed trawl fisheries, Category D species may make up the majority of landings. The comparative lack of scientific information on the status of the population of the species means that a risk-assessment style approach must be taken.

D1	Species Name	Japanese scad (<i>Decapterus maruadsi</i>)	
	Productivity Attribute	Value	Score
	Average age at maturity (years)	2 years	1
	Average maximum age (years)	9 years	1
	Fecundity (eggs/spawning)		-
	Average maximum size (cm)	30 cm	1
	Average size at maturity (cm)	12.5 cm	1
	Reproductive strategy	Broadcast spawner	1
	Mean trophic level	3.4	3
	Average Productivity Score		1.33
	Susceptibility Attribute	Value	Score
	Availability (area overlap)	>30%	3
	Encounterability (the position of the stock/species within the water column relative to the fishing gear)	Targeted	3
	Selectivity of gear type	Retained	3
	Post-capture mortality	Retained	3
	Average Susceptibility Score		3.0
	PSA Risk Rating (From Table D3)		PASS
Compliance rating		PASS	
Further justification for susceptibility scoring (where relevant)			
References			
<i>Decapterus maruadsi</i> (Temminck & Schlegel, 1843) Japanese scad: https://www.fishbase.se/summary/1939			
Ohshimo, S., Yoda, M., Itasaka, N., Morinaga, N., and Ichimaru, T. (2006). Age, growth and reproductive characteristics of round scad <i>Decapterus maruadsi</i> in the waters off west Kyushu, the East China Sea. <i>Fisheries Science</i> , 72, 855-859.			
Standard clauses 1.3.2.2			

Table D2 - Productivity / Susceptibility attributes and scores.

Productivity attributes	High productivity (Low risk, score =1)	Medium productivity (Medium risk, score = 2)	Low productivity (High risk, score = 3)
Average age at maturity	<5 years	5 – 15 years	>15 years
Average maximum age	<10 years	10 – 25 years	>25 years
Fecundity	>20,000 eggs per year	100 – 20,000 eggs per year	<100 eggs per year
Average maximum size	<100 cm	100 – 300 cm	>300 cm
Average size at maturity	<40 cm	40 – 200 cm	>200 cm
Reproductive strategy	Broadcast spawner	Demersal egg layer	Live bearer
Mean Trophic Level	<2.75	2.75 – 3.25	>3.25

Susceptibility attributes	Low susceptibility (Low risk, score =1)	Medium susceptibility (medium risk, score = 2)	High susceptibility (High risk, score = 3)
Areal overlap (availability) Overlap of the fishing effort with the species range	<10% overlap	10 – 30% overlap	>30% overlap
Encounterability The position of the stock/species within the water column relative to the fishing gear, and the position of the stock/species within the habitat relative to the position of the gear	Low overlap with fishing gear (low encounterability).	Medium overlap with fishing gear.	High overlap with fishing gear (high encounterability). Default score for target species
Selectivity of gear type Potential of the gear to retain species	a Individuals < size at maturity are rarely caught	a Individuals < size at maturity are regularly caught	a Individuals < size at maturity are frequently caught
	b Individuals < size at maturity can escape or avoid gear.	b Individuals < half the size at maturity can escape or avoid gear.	b Individuals < half the size at maturity are retained by gear.
Post-capture mortality (PCM) The chance that, if captured, a species would be released and that it would be in a condition permitting subsequent survival	Evidence of majority released post-capture and survival.	Evidence of some released post-capture and survival.	Retained species or majority dead when released

D3	Average Susceptibility Score		
	1 - 1.75	1.76 - 2.24	2.25 - 3
Average Productivity Score	1 - 1.75	PASS	PASS
	1.76 - 2.24	PASS	PASS
	2.25 - 3	PASS	TABLE D4