



MarinTrust Standard V2

By-product Fishery Assessment *Pouting (Trisopterus luscus) in FAO 27 , ICES 7.a*

MarinTrust Programme

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Table 1 Application details and summary of the assessment outcome

Fishery Under Assessment	Species:	Pouting (<i>Trisopterus luscus</i>)
	Geographical area:	FAO 27, ICES 7.a (Irish sea)
	Country of origin of the product:	France (Flag country: France)
	Stock:	Pouting (<i>Trisopterus luscus</i>) in FAO 27, ICES 7.a
Date	24 July 2023	
Report Code	FRA59	
Assessor	Ana Elisa Almeida Ayres	
Country of origin of the product - PASS	France (Flag country: France)	
Country of origin of the product - FAIL	N/A	

Application details and summary of the assessment outcome			
Company Name(s): Copalis Industrie			
Country:			
Email address:		Applicant Code:	
Certification Body Details			
Name of Certification Body:		NSF	
Assessor	Peer Reviewer	Assessment Days	Initial/Surveillance/ Re-approval
Ana Elisa Almeida Ayres	Matthew Jew	0.5	Surveillance 1
Assessment Period	Up to July 2023		

Scope Details	
Main Species	<i>Trisopterus luscus</i> – Pouting
Stock	Pouting (<i>Trisopterus luscus</i>) in FAO 27, ICES 7.a
Fishery Location	FAO 27, ICES 7.a
Management Authority (Country/ State)	European Union (Common Fishery Policy), France Direction des Pêches Maritimes et de l’Aquaculture (DPMA)
Gear Type(s)	All gears
Outcome of Assessment	
Peer Review Evaluation	Agree with assessor’s recommendation
Recommendation	APPROVED

Table 2. Assessment Determination

Assessment Determination
<p>If any species is categorised as Endangered or Critically Endangered on Union for Conservation of Nature's Red List of Threatened Species - IUCN's Red List, or if it appears in the Convention on International Trade in Endangered Species of Wild Fauna and Flora - CITES appendices, it cannot be approved for use as Marin Trust raw material. Pouting (<i>Trisopterus luscus</i>) is not categorised as Endangered or Critically Endangered on IUCN's Red List and does not appear in CITES appendices; therefore, pouting (<i>Trisopterus luscus</i>) is eligible for approval for use as Marin Trust by-product raw material.</p> <p>This stock is not subject to any specific management. There are no reference points against which the stocks status can be assessed. The lack of scientific information on the stock results in the use of the risk-based approach. The stock is categorised as Category D, with the use of the Productivity-Susceptibility Analysis - PSA. With an average productivity score of 1.29 and an average susceptibility score of 2.5, it PASSES the PSA.</p> <p>Therefore, pouting (<i>Trisopterus luscus</i>) in ICES Division 5.a (Irish Sea) is APPROVED for the production of fishmeal and fish oil under the current MarinTrust v2.3 by-products standard.</p>
Fishery Assessment Peer Review Comments
<p>The assessor correctly classified pouting (<i>Trisopterus luscus</i>) in ICES Division 5.a (Irish Sea) as Category D, the stock is not assessed using a formal assessment process and thus reference points are not defined.</p> <p>The assessor correctly assigned values and scores on table D1. The given average attribute scores result in a passing score on Table D3.</p> <p>Pouting (<i>Trisopterus luscus</i>) in ICES Division 5.a (Irish Sea) passes Category D and the PSA and therefore should be approved under the MarinTrust Standard v.2.</p>
Notes for On-site Auditor
N/A

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 a 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
Pouting	<i>Trisopterus luscus</i>	Pouting (<i>Trisopterus luscus</i>) in FAO 27, ICES 7.a	European Union (Common Fishery Policy), France Direction des Pêches Maritimes et de l'Aquaculture (DPMA)	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		Pouting - <i>Trisopterus luscus</i>		
	Productivity Attribute		Value	Score	
	Average age at maturity (years)		1.2	1	
	Average maximum age (years)		4.8	1	
	Fecundity (eggs/spawning)		416,475 (207,479 – 835,997)	1	
	Average maximum size (cm)		46	1	
	Average size at maturity (cm)		23.5	1	
	Reproductive strategy		Broadcast spawner	1	
	Mean trophic level		3.7	3	
	Average Productivity Score			1,29	
	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)		High overlap with fishing gears	3	
	Selectivity of gear type		Individuals < size at maturity are frequently caught	3	
	Post-capture mortality		Majority dead - retained	3	
	Average Susceptibility Score			2.5	
	PSA Risk Rating (From Table D3)			Pass	
	Compliance rating			Pass	
	<p>Further justification for susceptibility scoring (where relevant) <i>For susceptibility attributes, please provide a brief rationale for scoring of parameters where there may be uncertainty affecting your decision</i></p> <p>According to Froese and Pauly (2023), Pouting - <i>Trisopterus luscus</i> is found from Norway to Morocco including British Isles and offshore islands, and Skagerrak, and in the western Mediterranean. Its depth distribution ranges from 30 - 100 m.</p>				

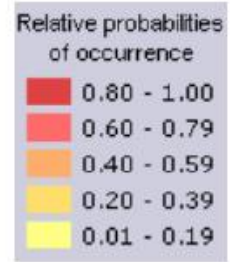
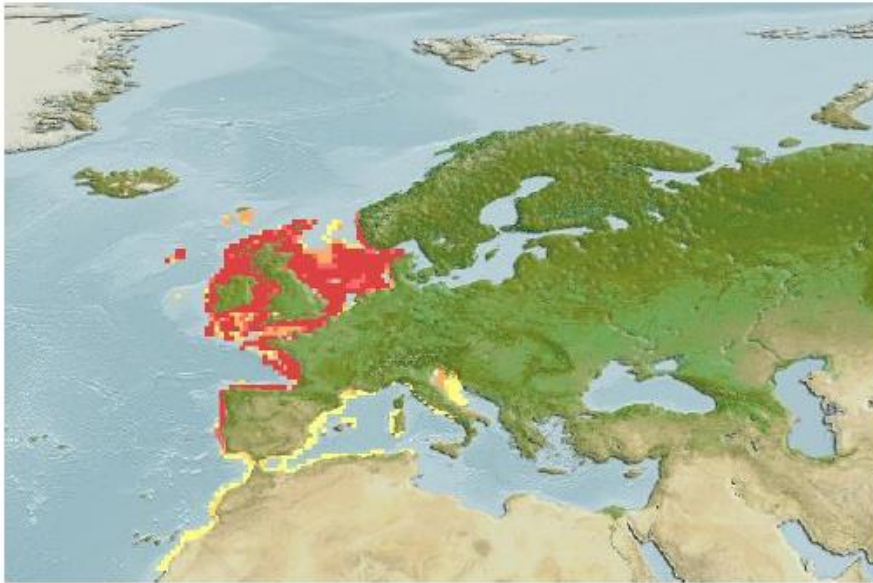


Figure 1 Distribution range colours indicate degree of suitability of habitat which can be interpreted as probabilities of occurrence of Pouting - *Trisopterus luscus*.

References

Froese, R. and D. Pauly. Editors. 2023. FishBase. World Wide Web electronic publication.
<https://www.fishbase.se/summary/Trisopterus-luscus.html>

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	PASS
	1.76 - 2.24	PASS	PASS	TABLE D4
	2.25 - 3	PASS	TABLE D4	TABLE D4