





G.A.P. STANDS FOR  
GOOD AGRICULTURAL PRACTICES  
AND GLOBAL G.A.P. IS THE  
WORLDWIDE STANDARD  
THAT ASSURES THEM.



We're a global organization with a crucial objective:

safe, sustainable agriculture worldwide.

We set voluntary standards for the certification of agricultural – including aquaculture - products around the globe – and more and more producers, suppliers and buyers are harmonizing their certification standards to match.





## OUR PURPOSE

GLOBALG.A.P. members create private sector incentives for agricultural producers worldwide to adopt safe and sustainable practices to make this world a better place to live for our children.

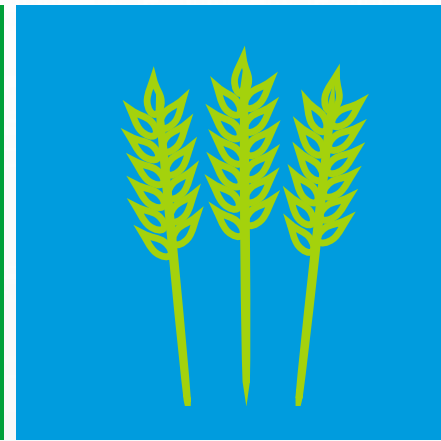




## THE SITUATION



Projected world  
population  
by 2050:  
9.6 billion



To meet our  
needs, food  
production  
must increase by



70%



# THE EFFECTS



Depletion of  
natural resources



By 2030  
more than  
**50%**  
of the world  
population

will be  
affected by  
water scarcity



**50%**  
of the world  
will need  
more food





## THE SOLUTION



Safe, sustainable &  
responsible farming  
practices worldwide

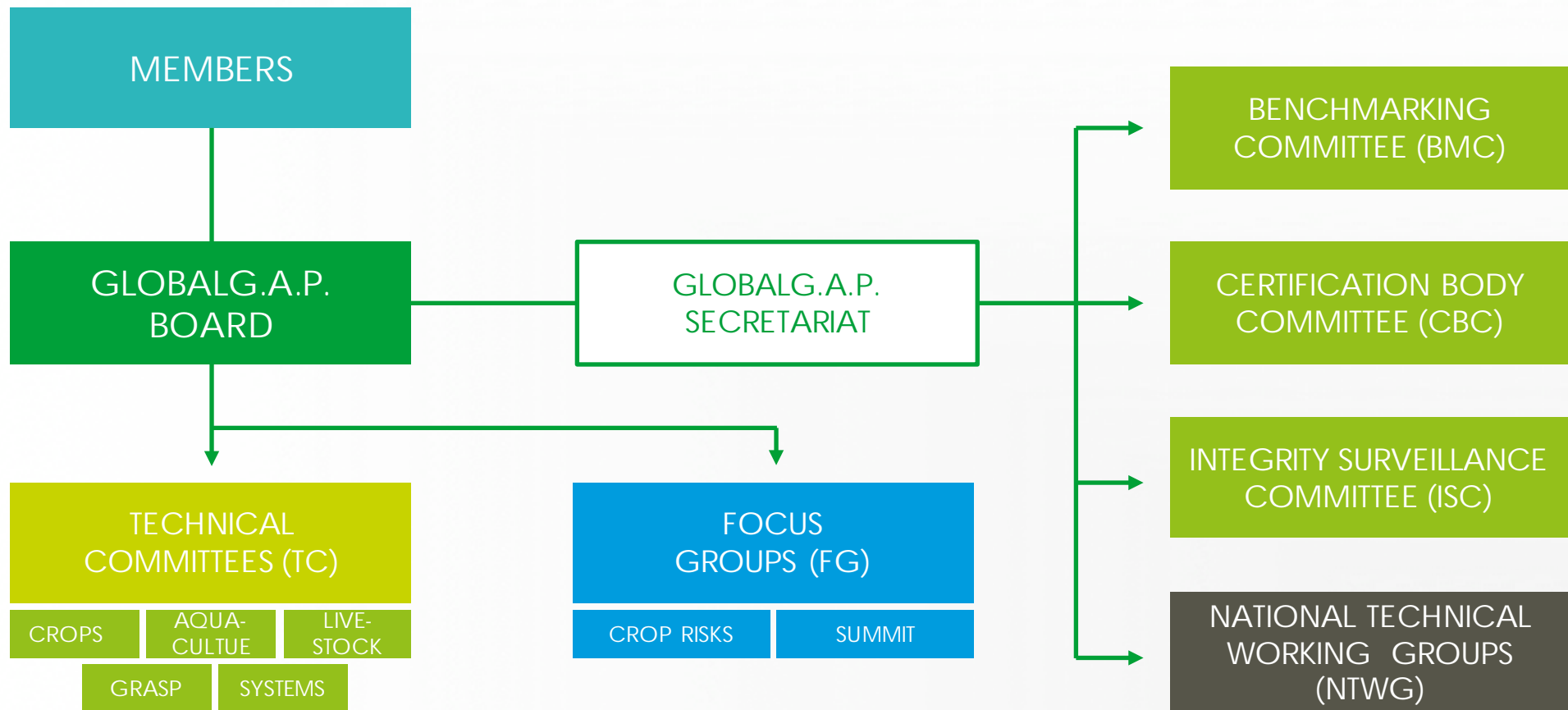
CROPS, AQUACULTURE,  
LIVESTOCK





# GLOBALG.A.P. GOVERNANCE

## Member-Driven Decision-Making Structure

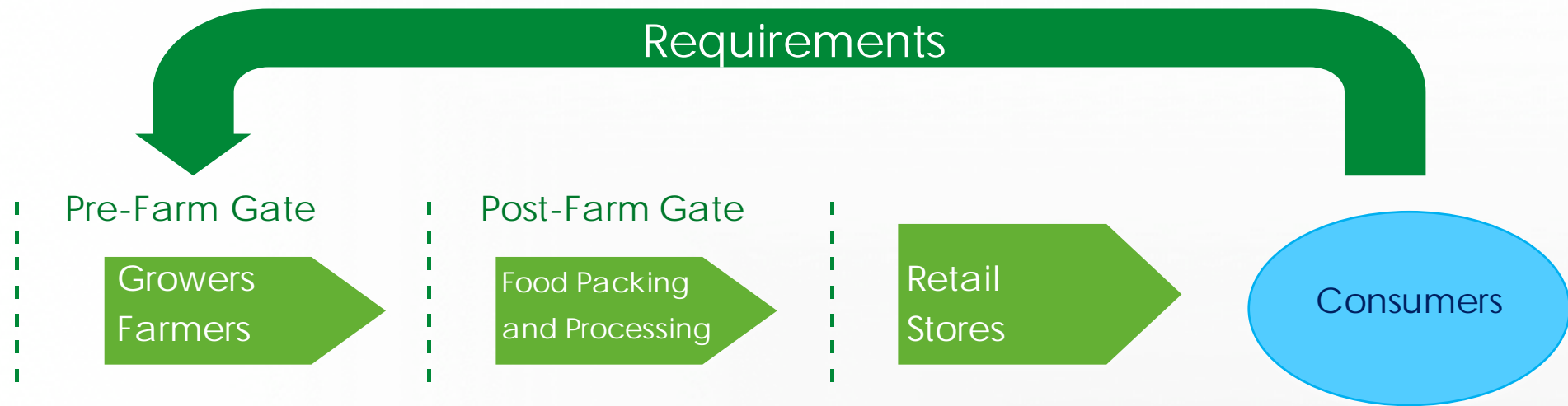




# Technical Committee Aquaculture



Name	Company	Country
Ralph Bickerdike	Scottish Sea Farms	United Kingdom
Herny Blain	Tesco	United Kingdom
Julie Gell	Icelandic Seachill	United Kingdom
Randi Norstoga Haldorsen	Marine Harvest ASA	Norway
Phan Vinh Hien	Minh Phu Seafood Corporation	Vietnam
Johan Hulleman	Jumbo Supermarkten	The Netherlands
Trygve Berg Lea	Skretting/Nutreco	Norway
Mark Nijhof	Heiploeg International BV (Member of PP Group)	Netherlands
David Parker	Young's Seafood Ltd	United Kingdom
Jürgen Pauly	Globus	Germany
Rohan Perera	Lamex Foods	United Kingdom
Stuart Smith	ASDA	United Kingdom



ON-FARM GFSI recognized scheme  
(GFSI: Global Food Safety Initiative)



FAO Technical Guidelines for Aquaculture Certification referenced at all times



# Retail & Food Service Members



# Producer/Supplier Members



Updated January 2018 | [www.globalgap.org](http://www.globalgap.org)

# Producer/Supplier Members



Updated January 2018 | [www.globalgap.org](http://www.globalgap.org)

# Associate Members (CBs, Consultants, Industry)



Updated January 2018 | [www.globalgap.org](http://www.globalgap.org)

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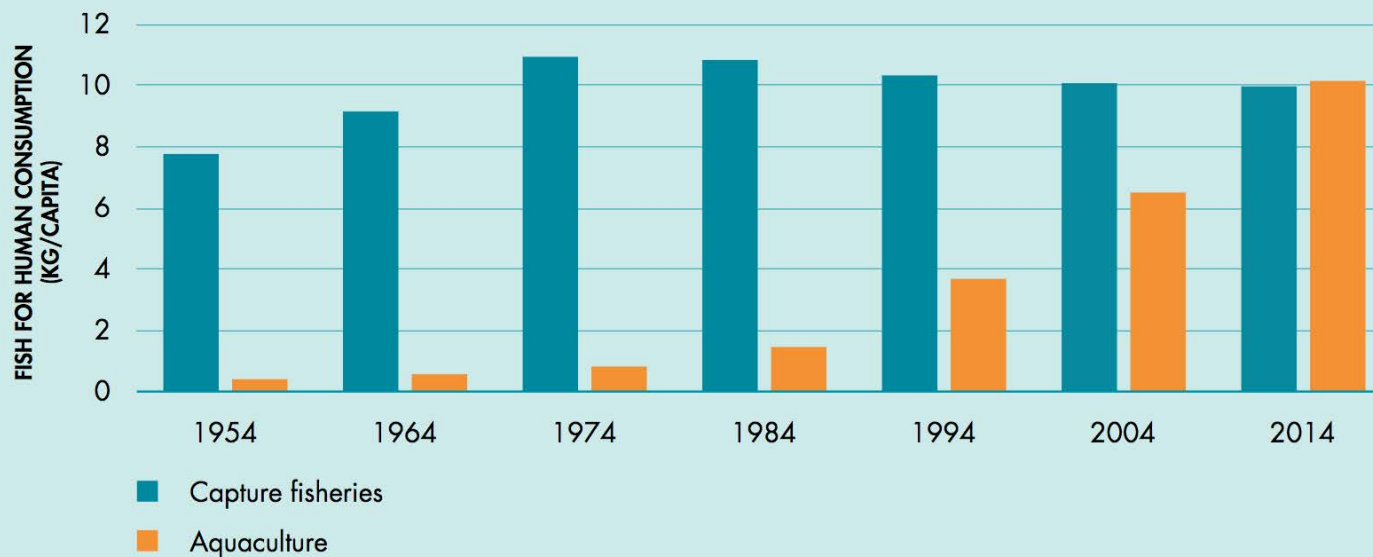
1. Where does our seafood comes from?
2. What is behind GLOBALG.A.P. Aquaculture Standard
3. Statistics



# Where does our seafood comes from?

**FIGURE 29**

## RELATIVE CONTRIBUTION OF AQUACULTURE AND CAPTURE FISHERIES TO FISH FOR HUMAN CONSUMPTION



Source:  
FAO The State  
of World  
Fisheries and  
Aquaculture  
(SOFIA, 2016)

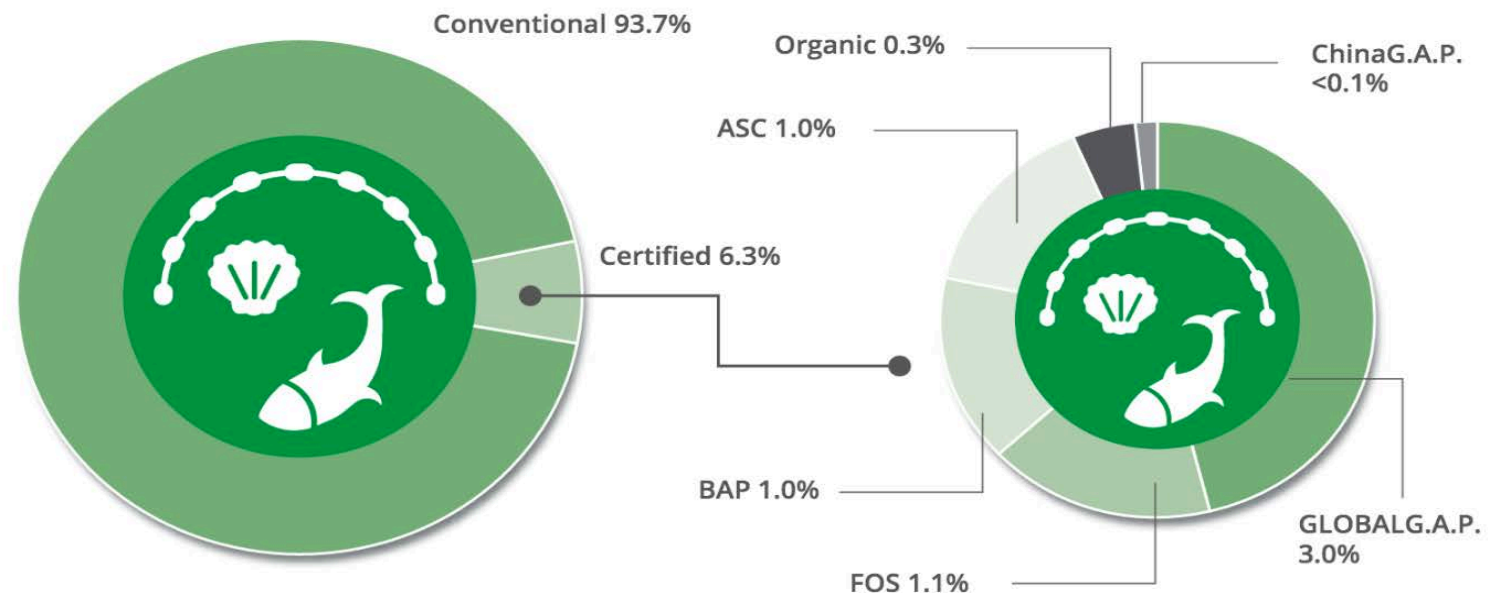
# CURRENT SITUATION – CERTIFIED AQUACULTURE WORLDWIDE



As for 2015, it was estimated that just over 6% of total aquaculture production is certified

Figure 2.9 Certified vs. conventional aquaculture seafood production (years for data listed in source note)

Certified aquaculture accounted for just over 6 per cent of total aquaculture production in 2015. GLOBALG.A.P. accounted for almost half of all certified aquaculture production, while BAP, ASC and FOS shared near-equal portions of the remainder.

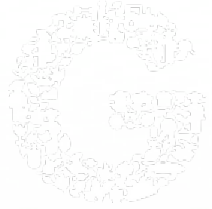


Data years: ASC, 2015; BAP, 2013; ChinaG.A.P., 2013; Conventional, 2013; FOS, 2014; GLOBALG.A.P., 2015; Organic, 2013. Sources: FAO Fishstat, 2015; ASC, BAP, ChinaG.A.P., FOS, GLOBALG.A.P., Organic, personal communication, 2015.

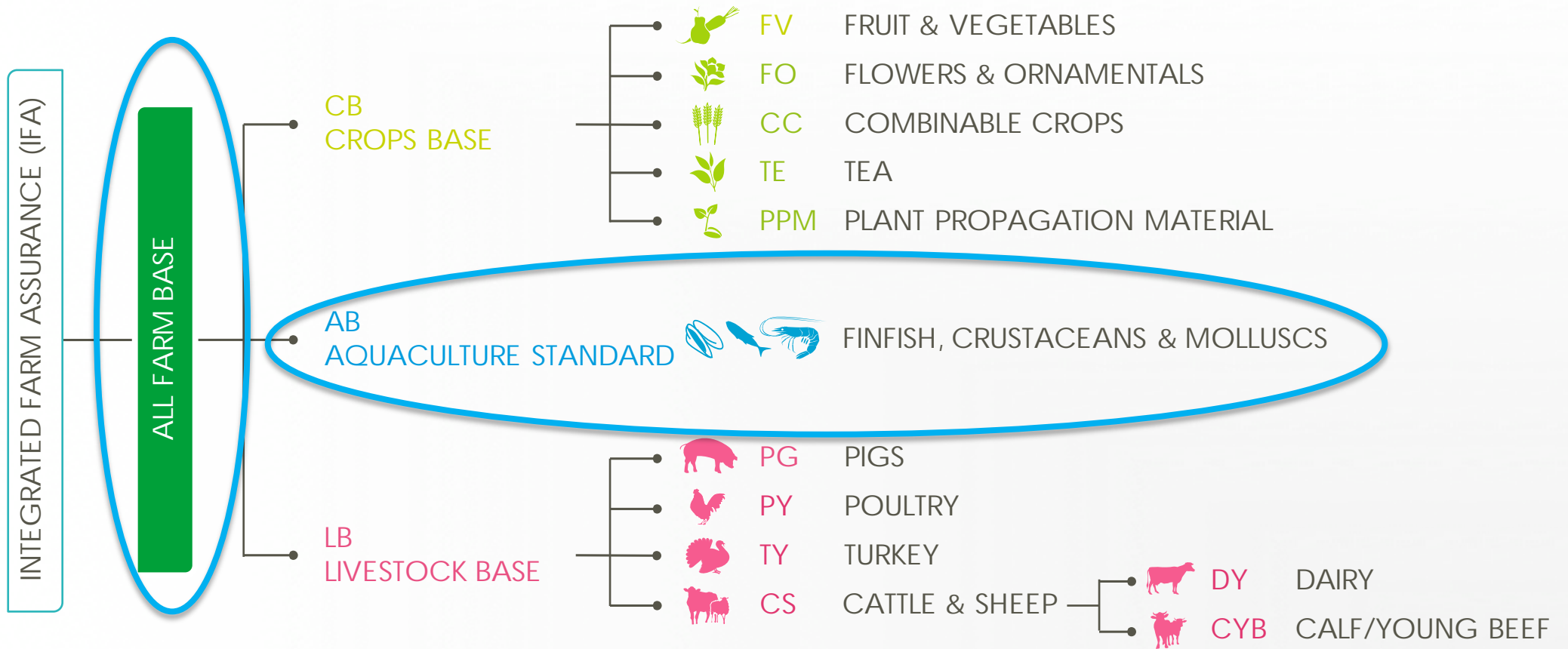
1. Where does our seafood comes from?
2. What is behind GLOBALG.A.P. Aquaculture Standard
3. Statistics



# GLOBALG.A.P. INTEGRATED FARM ASSURANCE STANDARD (IFA) V5



A Modular Approach to G.A.P. Certification





**GLOBALG.A.P.**  
The Global Partnership for Safe and Sustainable Agriculture

# GLOBALG.A.P. AQUACULTURE CERTIFICATION

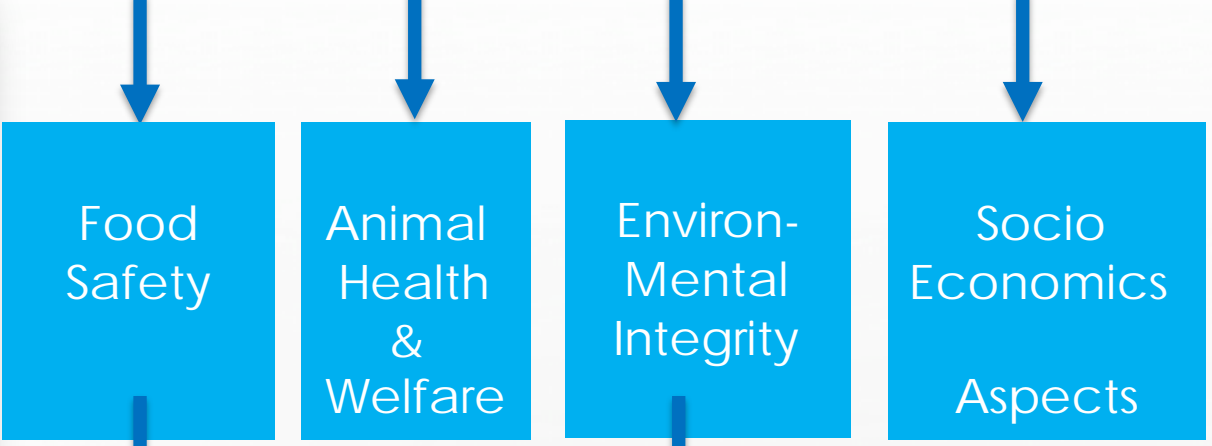
Caring for Consumers - Responsible  
Sourcing at All Stages of Production



# Four pillars of the: FAO Technical Guidelines on Aquaculture Certification



## Governance



## Current Platforms

GFSI

(Global Food Safety Initiative)

GSSI

(Global Seafood Sustainability Initiative)

# What is behind a GLOBALG.A.P. Aquaculture certified product?



GLOBALG.A.P. Aquaculture is the only program recognized by GFSI for farming of fish



GLOBALG.A.P. Aquaculture certification system formally applied for recognition in March 2017



Table VI.1 Average coverage by species of SSI environmental indices, aquaculture, from highest to

	Biodiversity	Ecosystems	Waste and water management	Greenhouse gas and energy	Synthetic inputs	Total average
<b>GLOBALG.A.P.</b>	93%	100%	100%	42%	100%	87%
<b>ASC pangasius</b>	60%	80%	100%	50%	100%	78%
<b>IFOAM</b>	73%	80%	100%	33%	100%	77%
<b>Naturland aquaculture</b>	80%	100%	87%	33%	83%	77%
<b>ChinaG.A.P.</b>	60%	100%	87%	17%	92%	71%
<b>ASC salmon</b>	60%	40%	60%	50%	100%	62%
<b>BAP salmon</b>	47%	80%	100%	0%	75%	60%
<b>ASC tilapia</b>	60%	60%	40%	25%	100%	57%
<b>BAP finfish/crustacean</b>	60%	60%	80%	0%	75%	55%
<b>ASC shrimp</b>	40%	73%	80%	25%	50%	54%
<b>FOS aquaculture</b>	40%	47%	47%	33%	75%	48%
<b>Index average</b>	58%	72%	78%	27%	85%	64%



# GLOBALG.A.P. Aquaculture Certification system The full production chain shall be verified



**FEED**  
Food safety,  
sustainable  
sourcing

**SEEDLINGS**  
Ova,  
juveniles

**FARMING**  
Finfish,  
Crustaceans,  
Molluscs

**CHAIN OF CUSTODY**  
Animal welfare, proper  
segregation,



**GLOBALG.A.P. AQUACULTURE CERTIFICATION**  
Caring for Consumers - Responsible Sourcing  
at All Stages of Production



[www.globalgap.org/aquaculture](http://www.globalgap.org/aquaculture)

Food Safety

Animal Welfare

Traceability

Environment

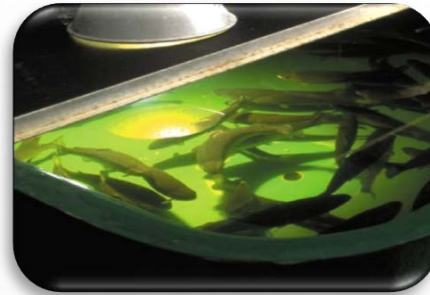
Workers Welfare

# GLOBALG.A.P. Aquaculture certification is applicable:

- ✓ for Finfish, Crustaceans and Molluscs
- ✓ for all type of production systems



GLOBALG.A.P.



  
COVERS ALL SPECIES OF  
FINFISH, CRUSTACEANS  
AND MOLLUSCS



# GLOBALG.A.P. Aquaculture certification is also applicable for closed recirculation systems



## **Florida Urban Organics earns GlobalG.A.P. certification**

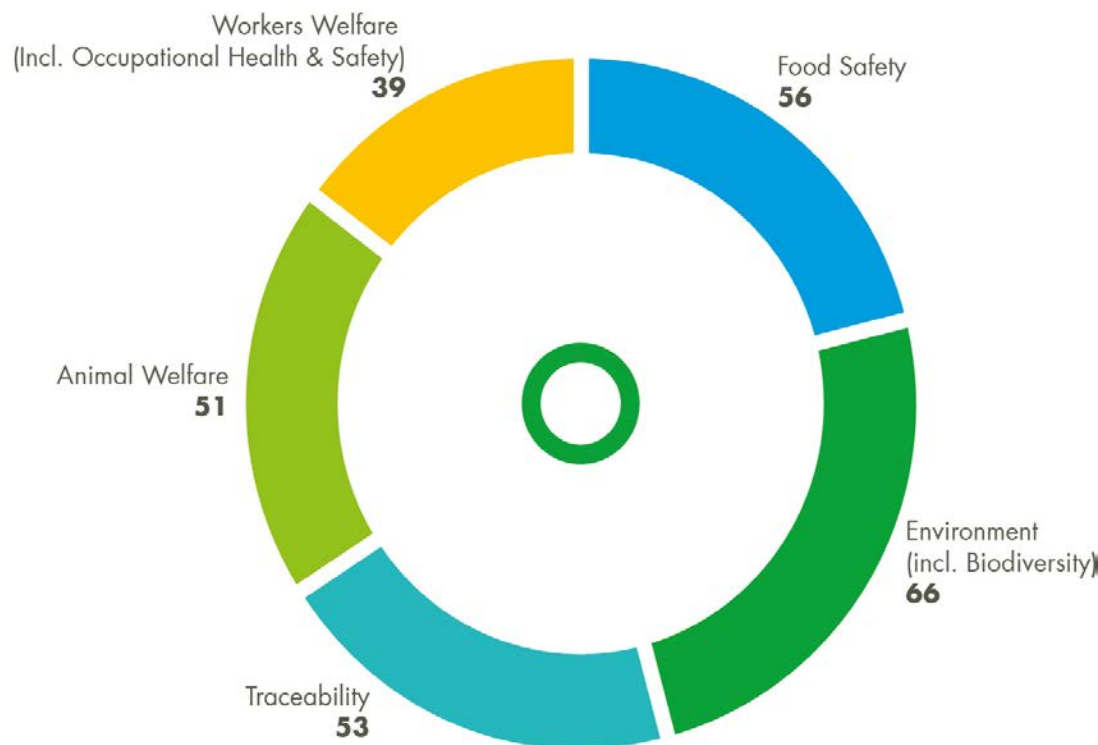
Organics and Gary Winrow, managing director of Selovita, the parent of company of Florida Urban Organics have built up a farm in industrial Fort Myers. They grow lettuces, micro greens and other organic greens. The waste water from these tilapia filled tanks is pasteurized and used for fertilizer. The company has received a GlobalG.A.P. certification.

# Farms need to implement criteria related to: Key Sustainability Areas



## HOLISTIC APPROACH AQUACULTURE

Total number of Control Points (incl. Post Harvest Handling): **265**



- Food safety: in compliance with the GFSI requirements at farm level.
- Environment: includes Protected Areas criteria and a compulsory Environmental (Biodiversity inclusive) Impact Assessment and Management Plan.
- Traceability: from broodstock, seedlings and feed used at the aquaculture farming activities. Batch wise identification of stock and feed used.
- Workers Welfare: compulsory assessment on social practices; living conditions, workers health & occupational safety.
- Animal Welfare: specific to farmed fish species, including cohabitant species, e.g. cleaner fish.

# Independent Evaluation of Animal Welfare in Farmed Fish



GLOBALG.A.P.

Reference: <https://pdfs.semanticscholar.org/9249/1499c9fe182e54217e21ab63dfb05431eec5.pdf>

## **GLOBALGAP aquaculture standard**

GLOBALGAP is a worldwide, business-to-business standard for safe and sustainable food production. It sets strict criteria for Good Agricultural Practices across a broad range of products, including traceability back to certified farms or production facilities, which farmers must comply with if they wish to sell their products to major retailers around the world.

The GLOBALGAP aquaculture standard covers legal compliance, food safety, worker welfare, environmental care, ecological care and animal welfare. It applies to salmon, trout, *Tilapia* spp. and *Pangasius* spp. as well as various invertebrates. It covers the entire production chain, from broodstock, seedlings and feed suppliers to farming, harvesting and processing. The inspection checklist comprehensively covers more than 100 control points relating to the management of animal welfare, including aspects such as staff training in animal welfare, predator control, biosecurity, transport and slaughter. While the inspection procedure does not include direct assessment of fish welfare (i.e. examination of fish), GLOBALGAP certification provides a reasonable level of assurance of finfish welfare.



# GLOBALG.A.P. Aquaculture Standard cross-referenced With the OIE Aquatic Animal Health Code



## CONCLUSION:

The GLOBALG.A.P. Aquaculture Standard covers the criteria established in the OIE Aquatic - Animal Health Code

**Guidance on the GLOBALG.A.P. Aquaculture Standard – criteria implementation at farm level related to the OIE Aquatic Animal Health Code**

+ Contents

2014 ©OIE - Aquatic Animal Health Code	GLOBALG.A.P. Aquaculture Standard at farm level – criteria related to OIE Aquatic Animal Health Code
<p><b>Foreword</b> .... The health measures in the Aquatic Code should be used by the Competent Authorities of importing and exporting countries to provide for early detection, reporting and control of agents pathogenic to aquatic animals and to prevent their transfer via international trade in aquatic animals and aquatic animal products, while avoiding unjustified sanitary barriers to trade...."</p> <p><a href="#">Guide to the use of the Aquatic Animal Health Code</a></p> <p><a href="#">Glossary</a></p>	<p>Standard to be implemented at farm level.</p>
<p><a href="#">Section 1.</a></p> <p>Notification, diseases listed by the OIE and surveillance for aquatic animals</p>	<p><b>AB 5.2.3:</b> A Veterinary Health Plan (VHP) must be in place at farm level. A veterinarian must sign off the VHP. The VHP needs to be updated annually or per production cycle if fish is at the farm for a shorter period than one year or when there is a need for update of any of the content of the VHP (i.e. inclusion of new drugs not previously included). The plan must include the following: ... xiii) Mechanism of informing disease breakouts and to whom.</p> <p><b>AB 5.2.5:</b> Do all farms notify the relevant competent authority of any disease where required to do so by law and as a minimum as those stipulated by the O.I.E. (World Organization for Animal Health)?</p> <p><b>AB 2.1.2:</b> Are broodstock prior to breeding screened and verified free of diseases potentially vertically transmitted?</p> <p><b>AB 2.1.3:</b> Upon arrival at the hatchery, is imported broodstock held in quarantine until their disease status is verified prior to their transfer to other areas?</p> <p><b>AB 2.3.2:</b> Does the farm comply with governmental regulations regarding the import of seedlings and can certificates demonstrate that they are specific pathogen free? Upon arrival at the hatchery, is imported seedlings held in quarantine until their disease status is verified prior to their transfer to other areas?</p>
<p><a href="#">Chapter 1.1.</a></p> <p>Notification of diseases, and provision of epidemiological information</p>	<p>See above.</p>
<p><a href="#">Chapter 1.2.</a></p> <p>Criteria for listing aquatic animal diseases</p>	<p>Applicable for the Competent Authorities only. Not applicable for voluntary aquaculture standards applicable at farm level.</p>
<p><a href="#">Chapter 1.3.</a></p> <p>Diseases listed by the OIE</p>	<p>See above.</p>
<p><a href="#">Chapter 1.4.</a></p> <p>Aquatic animal health surveillance</p>	<p>Applicable for the Competent Authorities only. Not applicable for voluntary aquaculture</p>



## Animal Welfare Criteria in GLOBALG.A.P. Aquaculture



- Staff trained on Animal Welfare.
- Animal health related criteria to monitor all stages: broodstock, seedlings, farmed fish, harvesting, stunning and killing.
- Use of certified seedlings.
- Comprehensive Veterinary Health Plan.
- Use vaccination when available.
- Stocking density must be established in relation to fish size, production stage, environment and production system.
- Does the farm/hatchery/transport and holding facilities have a routine water quality-monitoring and control program.
- Record cause of death for mortalities.
- Establish following periods.



## Animal Welfare Criteria in GLOBALG.A.P. Aquaculture



- All infrastructure designed to **respect animal welfare** and to avoid unnecessary stress.
- **Visual observation** at all times, through staff training or electronic means
- **Controls of size** variations within stocks.
- **Feedback related** to animal welfare from slaughter/processing to the farm.
- **Adequate design for cages** (to prevent escapes and to avoid introduction of wild life into the cages, including predators).
- **Quarantine** procedures.
- Participation on established **area management plan** that includes measures to prevent the introduction and spread of pathogens and disease.



# GLOBALG.A.P. RISK ASSESSMENT ON SOCIAL PRACTICE (GRASP) COMPULSORY ASSESSMENT FOR V5



1. Worker representation
2. Complaint procedure
3. Self-declaration of good social practices
4. Knowledge about national labor regulations
5. Contracts
6. Pay corresponds to contract specifications
7. Wage and overtime in compliance with regulations
8. No minors employed
9. Children of employees living on farm have access to school education
10. Working time recording system
11. Hours and breaks in compliance with regulations



# Depiction in the GLOBALG.A.P. Database

Example farm: 4050373885397 (<https://database.globalgap.org>)



GGN	Reg.No	Company Type	Name1/Last Name				Name2/First Name		ZIP
4050373885397	AGFOCERT 00002	Producer	Ozpekler Insaat Taahhut Dayanikli Tuketim Mallari Su Urunleri San ve Tic Ltd Sti						
<b>Integrated Farm Assurance (IFA)</b>									
Certification Body / Producer Group	Name1	Name2	Scheme	Certificate (online)		Certificate (PDF)		Other Information	
				Current	Next	Current	Next		
AGFOCERT	AGFO Teknik Kontrol ve Belgelendirme Hizmetleri Ltd. Sti. (AGFOCERT)		GLOBALG.A.P.	<a href="#">de</a>   <a href="#">en</a>		<a href="#">de</a>   <a href="#">en</a>			
Aquaculture based v4/v5 Finfish									
Product	GLOBALG.A.P. certificate no.	Cycle	Status	Certified/assessed process	Valid to	Scheme GR	Scheme CPCC	Option	Countries of destination
Rainbow Trout [Oncorhynchus mykiss]	00054-HNVKX-0002	Current	certified	Yes	18/05/2018	GLOBALG.A.P. GR version 5.0	GLOBALG.A.P. IFA CPCC version 5.0	1	DEU, TUR
Attributes current cycle									
Stages included in certificate: <span>broodstock</span> <span>ova</span> <span>juvenile</span> <span>farmed fish</span> <span>post harvest activities</span>									
Broodstock additionally purchased?	No								
Seedlings (ova) additionally purchased?	No								
Seedlings (juvenile) additionally purchased?	No								
Post harvest activity? (quantities may vary during the year)	Yes: 635.0000 t								
GFSI recognized (post-farm) certification at the time of the inspection?	Yes								
Feed supplied (internally or externally)	Yes: 4050373871567 850.0000								
Parallel Production (PP)?	Yes								
Parallel Ownership (PO)?	No								

Countries of destination

Stages of production covered by the certificate

If feed is sourced, the GGN of the CFM operation must be stated

# Chain of Custody Version 5 launched Dec14



GLOBALG.A.P. Certified



Non GLOBALG.A.P.



GGN Salmon

GGN Shrimp



*Chain of Custody Version 5 includes possibility to identify GLOBALG.A.P. certified products in multi-ingredients products*

1. Where does our seafood comes from?
2. What is behind GLOBALG.A.P. Aquaculture Standard
3. Statistics

# Certification is linked to the scientific name

## 32 Species certified for finfish



- Adriatic Sturgeon (*Acipenser cannarii*)
- Atlantic Halibut (*Hippoglossus hippoglossus*)
- Atlantic Salmon (*Salmo salar*)
- Barramundi (*Lates calcarifer*)
- Bluespotted seabream (*Pagrus caeruleostictus*)
- Brook Trout (*Salvelinus fontinalis*)
- Cobia (*Rachycentron canadum*)
- Coho Salmon (*Oncorhynchus kisutch*)
- Common Dentex (*Dentex dentex*)
- Danube Sturgeon (*Acipenser gueldenstaedtii*)
- European Seabass (*Dicentrarchus labrax*)
- Gilthead Seabream (*Sparus aurata*)
- Greater Amberjack (*Seriola dumerili*)
- Large-Eye Dentex (*Dentex macrophthalmus*)
- Meagre (*Argyrosomus regius*)
- Nile tilapia (*Oreochromis niloticus*)
- Pangasius Tra (*Pangasianodon hypenthalmus*)
- Pink Dentex (*Dentex gibbosus*)
- Pompano (*Trachinotus blochii*)
- Rainbow Trout (*Oncorhynchus mykiss*)
- Red Drum (*Sciaenops ocellatus*)
- Red Porgy (*Pagrus pagrus*)
- Redbanded Seabream (*Pagrus auriga*)
- Redspotted Grouper [*Epinephelus akaara*]
- Salmon Trout (*Salmo trutta trutta*)
- Senegalese Sole (*Solea senegalensis*)
- Sharpnout Seabream (*Diplodus puntazzo*)
- Shi Drum (*Umbrina cirrosa*)
- Starry Sturgeon (*Acipenser stellatus*)
- Sterlet Sturgeon (*Acipenser ruthenus*)
- Turbot (*Scophthalmus maximus*)
- White Grouper (*Epinephelus aeneus*)



Source GLOBALG.A.P January 2018

# Certification is linked to the scientific name

6 species for Crustaceans, Molluscs



Giant Tiger Prawn (*Penaeus monodon*)

Whiteleg Shrimp (*Litopenaeus vannamei*)



Blue Mussel (*Mytilus edulis*)

European flat oyster (*Ostrea edulis*)

Mediterranean mussel (*Mytilus galloprovincialis*)

Pacific Cupped Oyster (*Crassostrea gigas*)



# 29 COUNTRIES WORLDWIDE adopting GLOBALG.A.P. Aquaculture certification



Australia  
Chile  
China (\*)  
Croatia  
Denmark  
(\*) Incl. Taiwan

Ecuador  
Faroe Islands  
France  
Greece  
Honduras

Iceland  
Indonesia  
Ireland  
Isle of Man  
Italy  
Korea (South)  
Mauritius

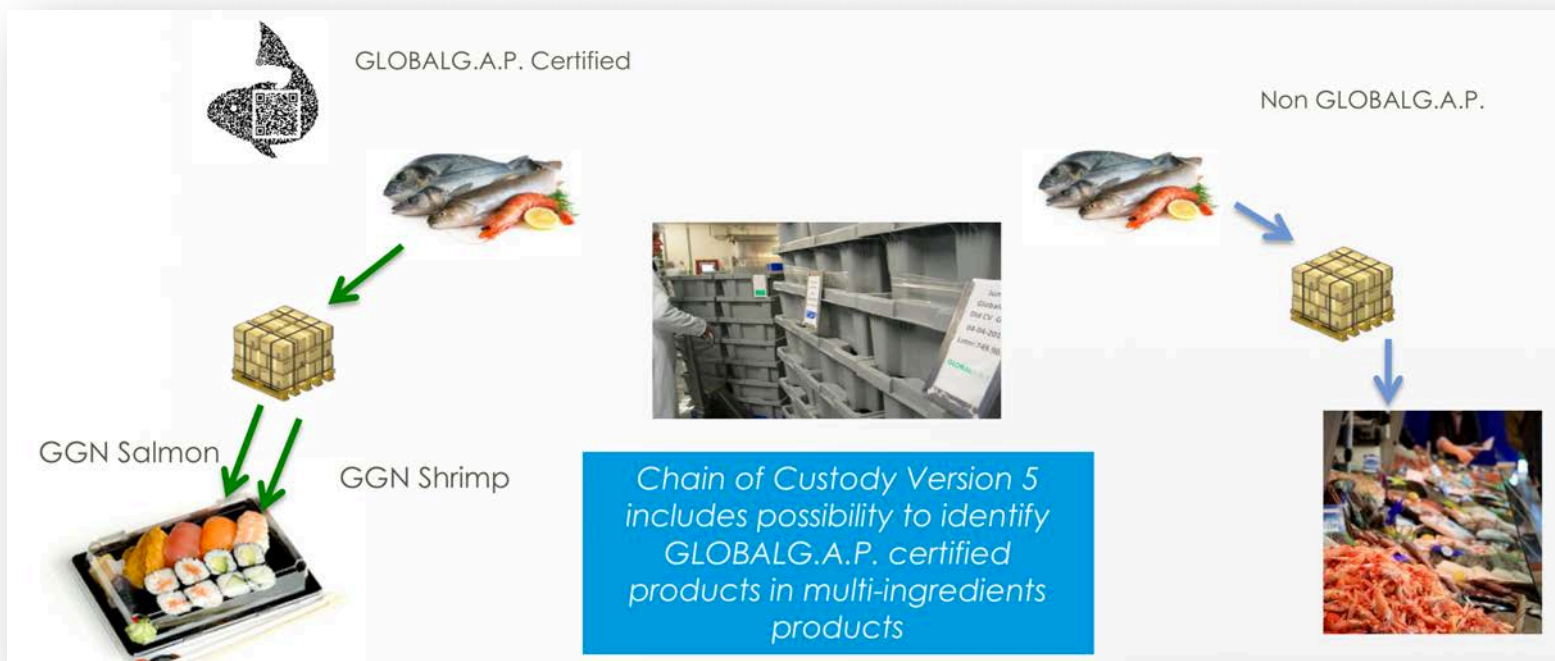
Nicaragua  
Norway  
Panama  
Peru  
Poland  
Portugal  
Spain  
Tunisia  
Turkey  
United Kingdom  
United States  
Vietnam

Source GLOBALG.A.P January 2018

# 21 COUNTRIES WORLDWIDE adopting GLOBALG.A.P. Aquaculture Chain of Custody



Belgium  
 Chile  
 China (\*)  
 Denmark  
 Ecuador  
 France  
 Germany  
 Greece  
 Indonesia  
 Lithuania  
 Morocco  
 Netherlands  
 Norway  
 Poland  
 Russia  
 Singapore  
 Spain  
 Turkey  
 Ukraine  
 United Kingdom  
 Vietnam



(\*) Incl. Taiwan

Source GLOBALG.A.P 30.09.2017



# GLOBALG.A.P. COMPOUND FEED CERTIFICATION 30 COUNTRIES WORLDWIDE FOR AQUAFEED



- Australia
- Austria
- Belgium
- Canada
- Chile
- Costa Rica
- Denmark
- Ecuador
- Faroe Islands
- France
- Germany
- Greece
- Guatemala
- Honduras
- Iceland
- Indonesia
- Israel
- Italy
- Nicaragua
- Norway
- Peru
- Poland
- Portugal
- Spain
- Taiwan
- Thailand
- Turkey
- United Kingdom
- United States
- Vietnam

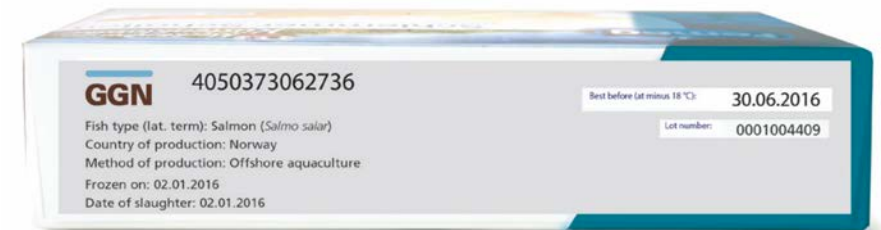
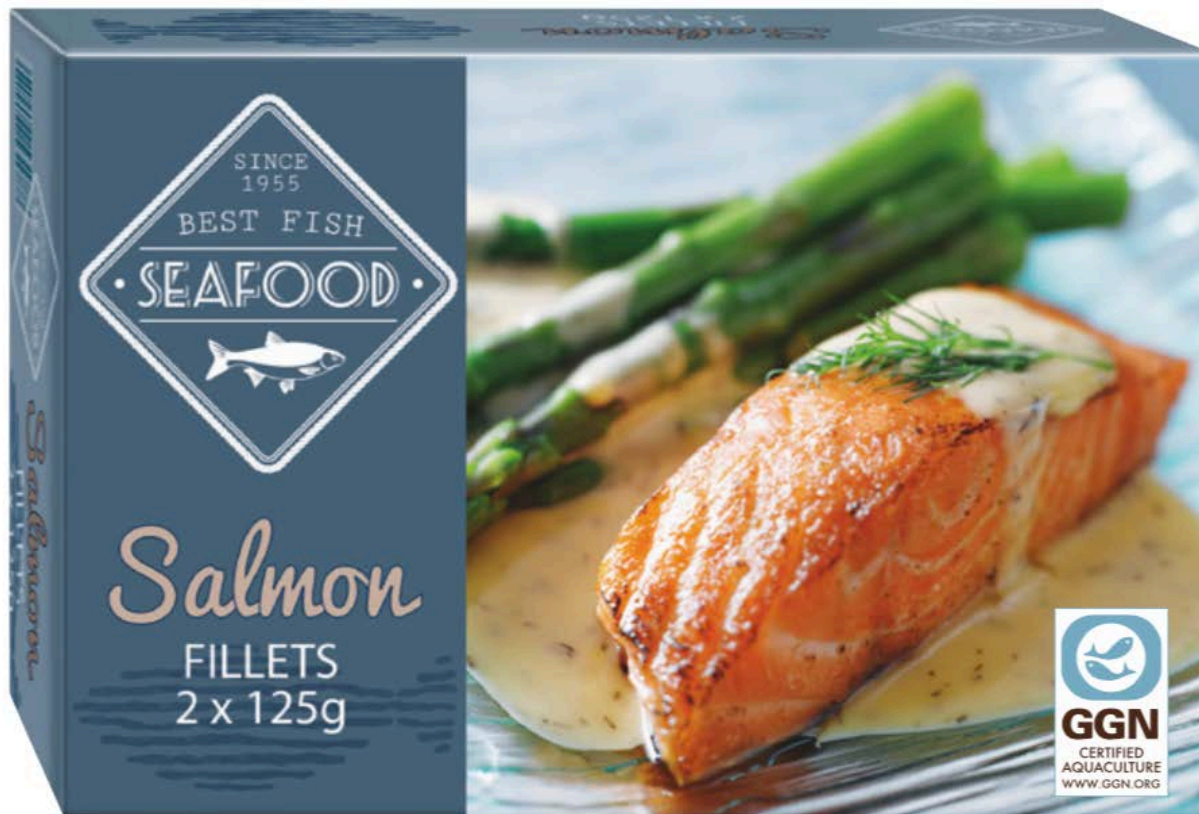


Source GLOBALG.A.P 30.09.2017



GGN Certified Aquaculture Label  
launched April 2016

# NEW B2C label



# What is behind the the GGN Certified Aquaculture label?

## GLOBALG.A.P. Aquaculture certified products



**FEED**  
Food safety  
sustainable  
sourcing

**SEEDLINGS**  
Ova,  
juveniles

**FARMING**  
Finfish,  
Crustaceans,  
Molluscs

**CHAIN OF CUSTODY**  
Animal welfare, proper  
segregation,



Food Safety

Animal Welfare

Traceability

Environment

Workers Welfare



GGN.ORG  
Meet your farm

CoC Number



GGN Number Farm A



GGN Number Farm B



GGN Number Farm C



# CERTIFIED AQUACULTURE

NEWS TOPICS

GGN.ORG Login | DE | EN | ES

ABOUT GGN AQUACULTURE OUR FARMERS

GGN - en > OUR FARMERS > Meet your farm > Farm search

## FARM PORTRAIT

<< BACK

GGN: 4049929061989

GREAT BRITAIN



coc: 4049929061989

### THE SCOTTISH SALMON COMPANY

8 Melville Crescent, EH37JA, Edinburgh

SPECIES : ATLANTIC SALMON [SALMO SALAR] // SALMON TROUT [SALMO TRUTTA TRUTTA]

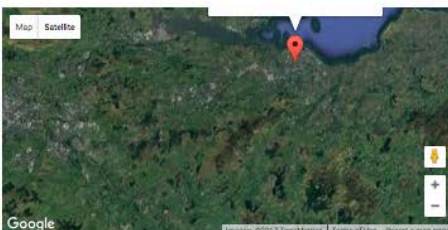


#### ABOUT THE FARM

The Scottish Salmon Company (SSC) is the leading Scottish-based producer of the finest sea loch fresh Scottish salmon, with 100% focus on Scotland. SSC employs over 480 staff across 60 sites in the

#### FACTS & FIGURES

#### SPECIAL FEATURES & ACTIVITIES



#### How are the fish being kept?

In freshwater and marine sites across the west coast of Scotland and Hebrides



Valid

GGN: 4049929061989

GREAT BRITAIN

### THE SCOTTISH SALMON COMPANY

8 Melville Crescent, EH37JA, Edinburgh

SPECIES : ATLANTIC SALMON [SALMO SALAR] // SALMON TROUT [SALMO TRUTTA TRUTTA]



#### ABOUT THE FARM

The Scottish Salmon Company (SSC) is the leading Scottish-based producer of the finest sea loch fresh Scottish salmon, with 100% focus on Scotland. SSC employs over 480 staff across 60 sites in the West Coast of Scotland and Hebrides. We are engaged in all stages of the value chain from smolt production through freshwater and marine farming to harvesting and processing, as well as sales and marketing activity, ensuring total supply chain integrity and full traceability. We are dedicated to producing the highest standards of quality at every stage of our farming process. We combine traditional husbandry with the latest best practise farming techniques to ensure the healthy growth of our finest quality Scottish salmon in a sustainable manner. We adhere to strict industry code of practice to ensure that consistent quality is maintained throughout the entire process. We are committed to complying with a number applicable non-legislative standards, including GLOBALG.A.P., Code of Good Practice for Finfish Aquaculture (CoGP), Protected Geographical Indication (PGI), British Retail Consortium (BRC), Sustainable Restaurateurs Association (SRA) and ISO 14001. SSC is passionate about our rich provenance and proud to be at the heart of Scottish rural life.



# NEW Consumer portal GGN.ORG for GLOBALG.A.P. certified Aquaculture

#### SPECIAL FEATURES & ACTIVITIES



#### How are the fish being kept?

In freshwater and marine sites across the west coast of Scotland and Hebrides

#### CERTIFICATES



Valid

# Thank you for your attention!



Aquaculture expert: Valeska Weymann  
[weymann@globalgap.org](mailto:weymann@globalgap.org)

GGN.ORG Administration: Tayyibe Saglam  
[saglam@globalgap.org](mailto:saglam@globalgap.org)



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