

Holtermann

SINCE 1916

Chr. Holtermann (www.holtermann.com)

- Established 1916
 - Brokers /Consultants – neutral advisors
 - *Proteins and grains*
 - *Fish oil and vegetable oils*
 - *Omega 3*
 - *Fish*
 - *Specialty products*
 - Market information
 - *Reports*
 - *Analysis*
 - Logistical support
 - Contracts/terms consultancy
 - Oslo, Norway – 14 persons
- Affiliates:
- Lima, Peru - 2 persons
 - Bergen, Norway – 1 person (HTF – Holtermann Trade Finance)

Feed Productions developments 2021-2022

Million Mt (MMt)	2021	2022	change MMt	change percentage	trend
Total global feed production	1271,73	1266,35	-5,38	-0,42	steady
of which Aqua feed production	51,51	52,91	1,4	2,72	growth
of which Asia-Pacific	37,35	38,34	0,99	2,65	growth
Other Areas	14,16	14,57	0,41	2,90	growth
Source: Alltech Agri-Food Outlook 2023					

General trends 2022:

1. Inflation – increasing prices on raw materials (the global economy)
2. Supply chain disruptions (including the war in Ukraine)
3. Consumer behaviour with increasingly proactive approach to health (Covid-19)

Main challenge for Aqua feeds 2023:

To source sufficient supplies of EPA/DHA

- Poor 2022 fish oil production in main producing country Peru (fair catch but low oil yields)
- Prospects Peru 2023: Unpredictable

The aquaculture feeds of tomorrow to ...

- *Contribute to solve bottlenecks in current feed mixes*
- *Contribute to aquaculture productions in safe, responsible and sustainable ways*

Welcome to this third NASF Aquaculture Feed Summit!

