



CLUB BOLOGNA
OF

*strategies for the development of agricultural
mechanisation*



31th Members' Meeting of the «Club of Bologna

The challenges for Agricultural Mechanization

12-13 November 2022

Bologna, Italy

Demands of retailers

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Born and raised at the family farm in Northern Germany

Apprenticeship in agriculture

BSc Agronomy from Gesamthochschule Kassel, Germany

PhD Agronomy from the University of Newcastle upon Tyne, England

16 years Marketing Consultant with the Marketing Association of the Lower Saxonian Agriculture and Food Industry),
Hanover, Germany

Since 2004 Consultant for Standard Management (Crops) and Trainer with GLOBAL.G.A.P.





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The Most Widely Accepted Good Agricultural Practices Certification Worldwide

Safety

Freedom from unacceptable risk of harm

DIN EN 45020:1994

State in which the risk of harm (to persons) or damage is limited to an acceptable level

DIN EN ISO 8402:1995



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GLOBALG.A.P.'s roots began in 1997 as EUREPGAP, an initiative by retailers belonging to the Euro-Retailer Produce Working Group. British retailers working together with supermarkets in continental Europe become aware of consumers' growing concerns regarding product safety, environmental impact and the health, safety and welfare of workers and animals.

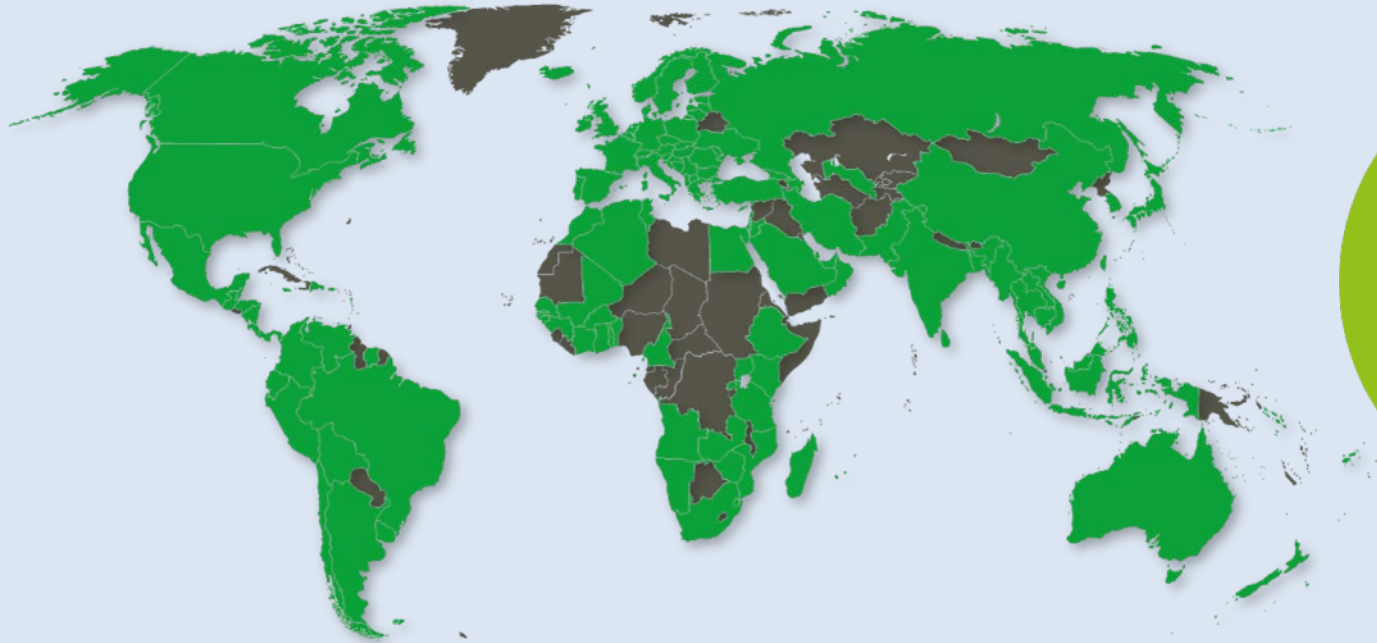
To reflect both its global reach and its goal of becoming the leading international G.A.P. standard, EUREPGAP changed its name to GLOBALG.A.P. in 2007.

GLOBALG.A.P. today is the world's leading farm assurance program, translating consumer and retailer requirements into Good Agricultural Practice in a rapidly growing list of countries – currently more than 135.



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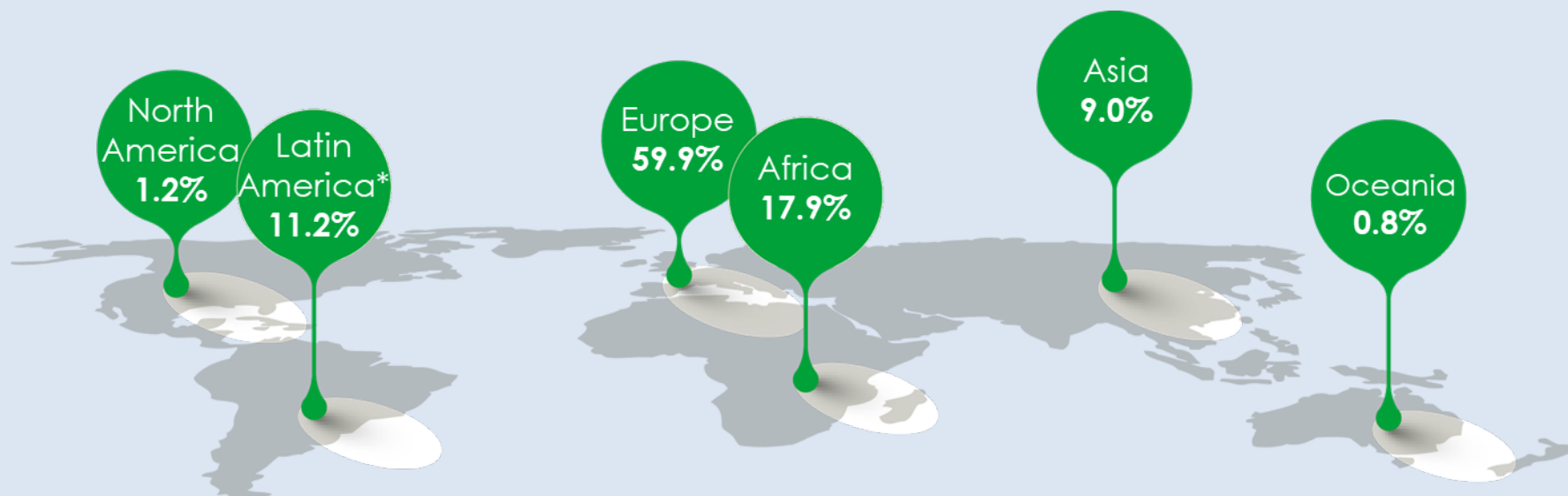
More than
208,000 producers
under certification
in over **130**
countries



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SHARE OF PRODUCERS UNDER CERTIFICATION PER REGION IN %





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More than **530 voluntary members** of the **GLOBALG.A.P. community**.



3 main products with **40+ standards** and **programs**.



More than **208,000 producers** under **certification** in over **130 countries**.



More than **700 products** available for certification.



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Retail & Food Service Members

MEMBERS



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Retail & Food Service Members

LONG-TERM MEMBERS (10+ YEARS)



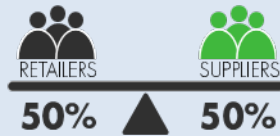
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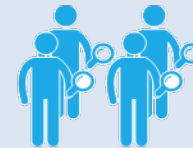
GLOBALG.A.P. governed by
an **elected Advisory Board**



An extensive **worldwide network** of
trainers to help producers with their
certification process



A secure **online certification database** to
check producers and validate certificates



More than **2,000 inspectors** and
auditors working for **172 accredited**
certification bodies



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More than **1,000 international experts** active in technical committees, national technical working groups and focus groups



A harmonization program to **benchmark schemes** and **checklists** around the world



A pioneering **integrity system** with independent assessments to **monitor** the **performance** of our certification bodies



Capacity building for thousands of people on **5 continents** and in **10 languages**



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Early Days: EUREPGAP



**CONTROL POINTS
AND COMPLIANCE CRITERIA
FRUIT AND VEGETABLES**

ENGLISH VERSION

Code Ref.: FP 2.1 CP
Version: 2.1 Oct-04
Section: CPCC
Page: 6 of 25

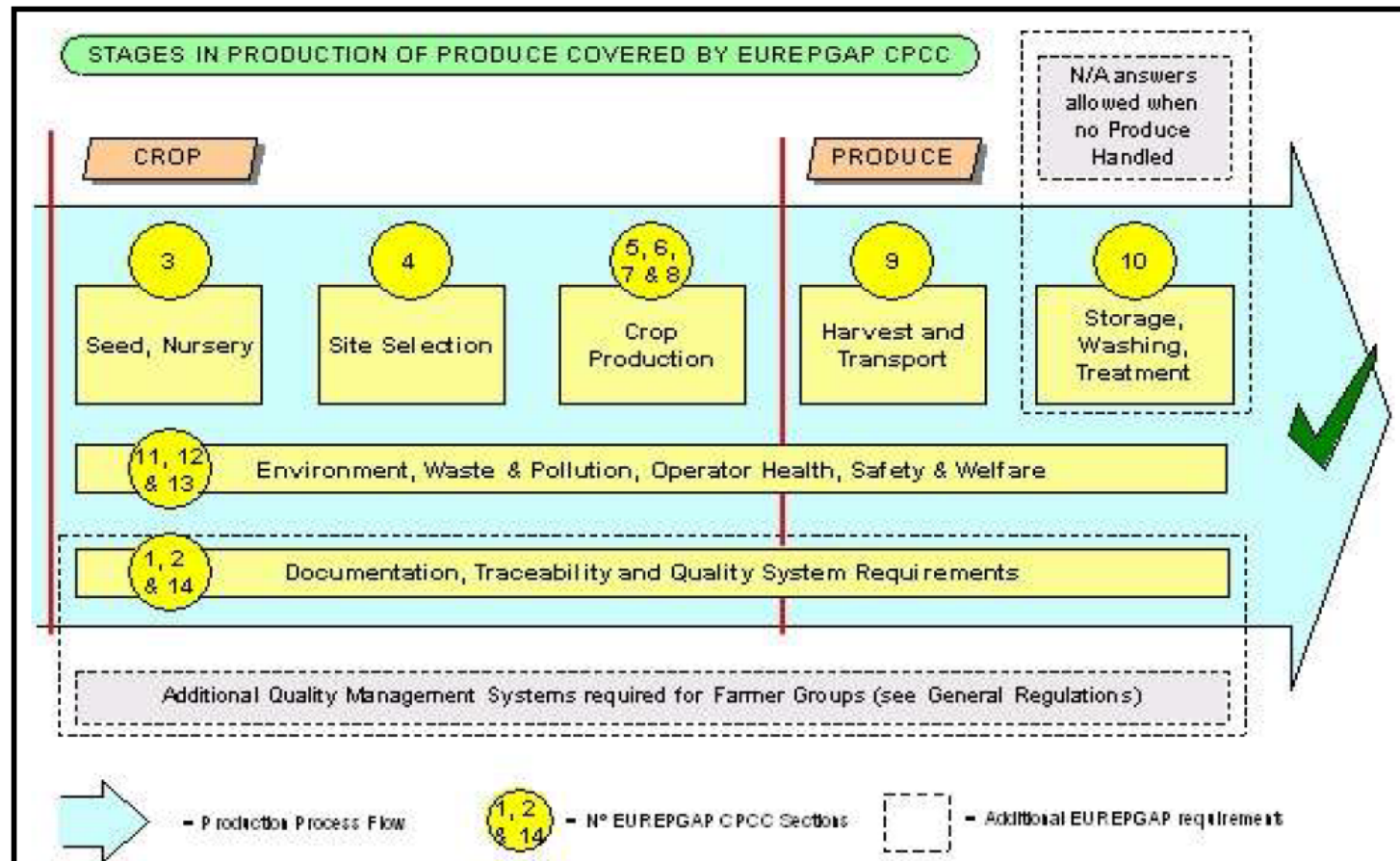
N°	CONTROL POINT	COMPLIANCE CRITERIA	LEVEL
1. TRACEABILITY			
1.1	Is EUREPGAP registered product traceable back to and trackable from the registered farm where it has been grown?	There is a documented traceability system that allows EUREPGAP registered product to be traced back to the registered farm or, in a Farmer Group, group of registered farms, and tracked forward to the immediate customer. No N/A.	Major



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Early Days: EUREPGAP





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Early Days: EUREPGAP

Nº	CONTROL POINT	COMPLIANCE CRITERIA	LEVEL
9.1.4	Does the harvesting process hygiene procedure consider handling of harvested produce and produce packed and handled directly in the field, orchard or greenhouse?	All produce packed and handled directly in the field, orchard or greenhouse must be removed from field overnight, in accordance with the harvest hygiene risk assessment results. All field packed produce must be covered to prevent contamination once packed and during transport (from the fields or outlying farms to where it is stored), in accordance with the harvest hygiene risk assessment results. If harvested and on farm packed produce are stored on farm, storage areas must be cleaned, and if applicable, temperature and humidity control maintained and documented, in accordance with the harvest hygiene risk assessment results.	Major
9.1.5	Does the harvesting process hygiene procedure consider on farm produce transportation?	Farm vehicles used for transport of harvested produce that are also used for any purpose other than transport of harvested produce, are cleaned and maintained, and a cleaning schedule to prevent produce contamination is in place (i.e. soil, dirt, organic fertilizer, spills, etc.), in accordance with the harvest hygiene risk assessment results.	Major
9.1.6	Do harvest workers have access to clean hand washing equipment in the vicinity of their work?	Fixed or mobile hand washing equipment is accessible to harvest workers within at least 500 meters and they are in a good state of hygiene. No N/A.	Major
9.1.7	Do harvest workers have access to clean toilets in the vicinity of their work?	Fixed or mobile toilet facilities are accessible to harvest workers within at least 500 meters and they are in a good state of hygiene. No N/A.	Minor



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Labelling



An online **consumer portal** for transparent farm verification and information.



A **consumer label** for plants based on the GLOBALG.A.P. Flowers & Ornamentals Standard.



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Labelling



A **consumer label** making
certified, responsible farming visible



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GLOBALG.A.P.+ Add-on



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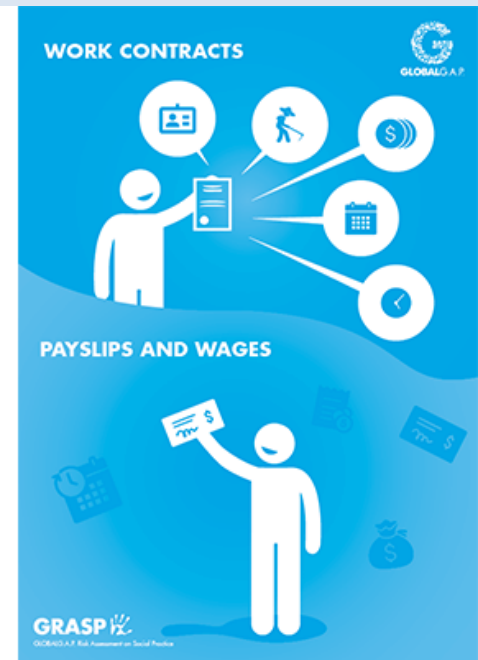
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What Is GRASP?



The **GLOBALG.A.P. Risk Assessment on Social Practice**. It is a voluntary, farm-level social/labor management tool for global supply chains, to be used in combination with Integrated Farm Assurance (IFA).





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IMPACT-DRIVEN APPROACH (IDA) to Sustainability

INPUT CONSUMPTION datapoints



- Kg of **commercial** PPP / ha / month, (**active ingredient** for GLOBALG.A.P.)
- **Names of commercial** PPP used,



- Kg of **N** (in organic and inorganic fertilizers) used / ha / month,
- Kg of **P** (in organic and inorganic fertilizers) used / ha / month,



- Amount of **water abstracted** from water sources / month,
- Amount of **water used in irrigation** at the farm/month,
- Percentage (%) abstracted (sources) /irrigation water.



- Amount of **energy** in kWh used at the farm / month.
- Percentage (%) **renewable** / **non-renewable** sources.



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- Producers who opt into the Impact-Driven Approach to Sustainability add-on will be able to **demonstrate compliance using data**. This can **reduce audit time**.
- Data will build up gradually to create a picture of the whole assurance system and demonstrate the **positive impact of GLOBALG.A.P. solutions** on the whole industry.
- We are looking into opportunities for the use of **certification and audit data insights** for the supply chain.

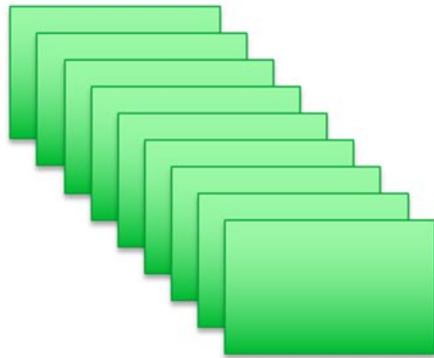


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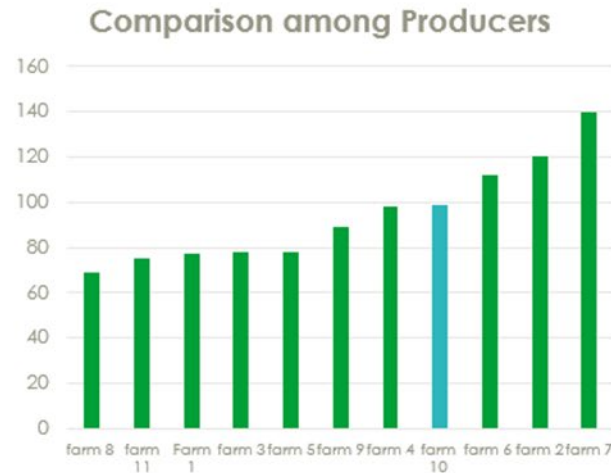
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IDA Module/IDA Add-on Comparison Between Peers

Several producers under similar conditions



Aggregated data of several Producers (by crop/farm)

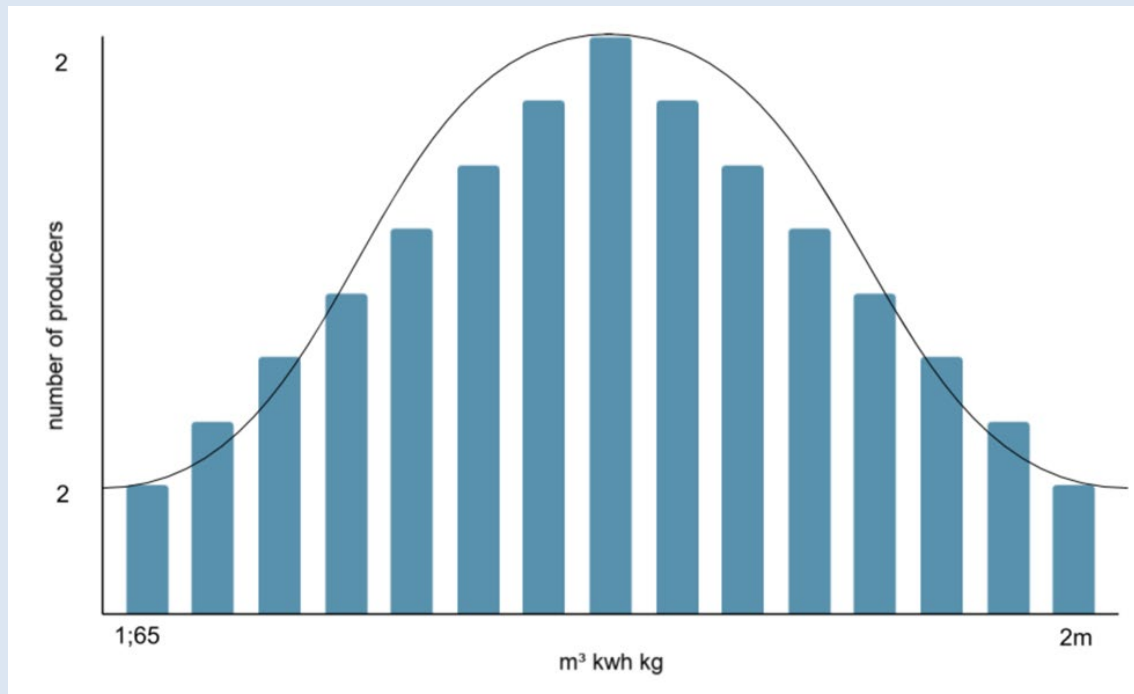




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Example of data usage in a supply chain



Group of producers growing the same crop under similar conditions.

These can be members of a supply base of a retailer.

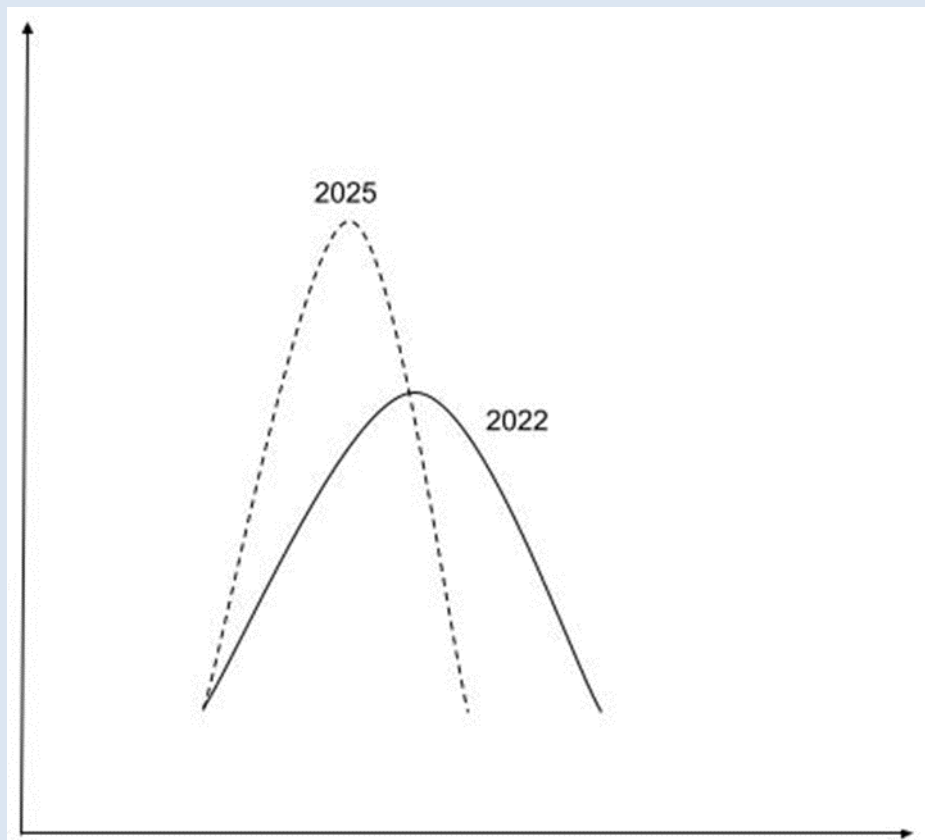
A retailer could see similar reports for different production regions.



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USING DATA FOR THE SUPPLY CHAIN – TENTATIVE REPORTS
COMMUNICATE PROGRESS/NORMALITY OF A SPECIFIC GROUP



The group of producers, **as a whole, is** reducing inputs used.

Limit is reached when process is optimized, leaders have found the optimal level. Focus on lower end of the curve.



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CONTINUOUS IMPROVEMENT AT FARM LEVEL

New for IFA v6

“Continuous improvement” used to mean updating farm assurance standards regularly to get better and better. In IFA v6, for the first time, continuous improvement will be relevant on an **individual producer level**.

- Producers are required to implement a plan to **analyze current practices**.
- They then **identify “hot spots”** and **set clear, measurable goals** for improvement in this area, e.g., improve energy efficiency, reduce use of X plant production product.
- Year on year, producers demonstrate their efforts towards improving sustainability, food safety, or worker well-being.

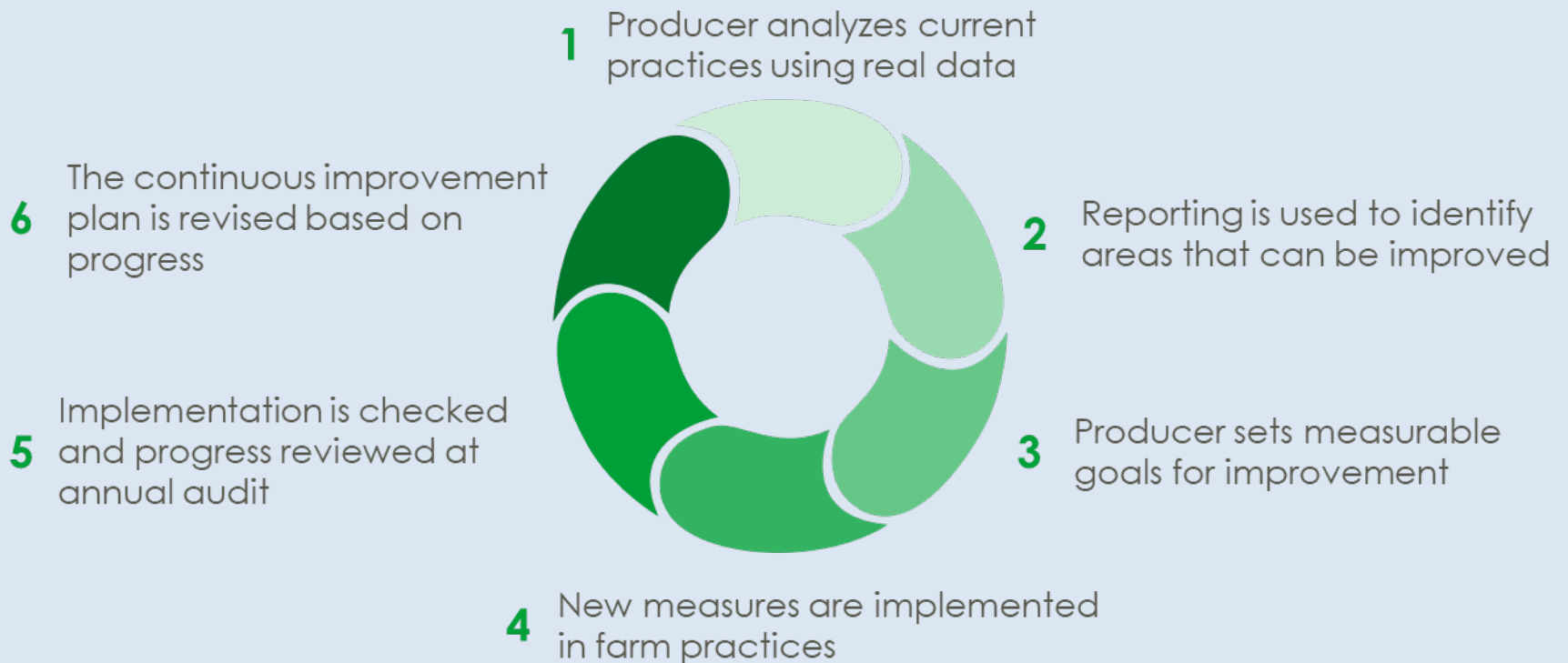


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CONTINUOUS IMPROVEMENT AT FARM LEVEL

New for IFA v6





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INTEGRATED FARM ASSURANCE (IFA) VERSION 6

What's new?

Streamlined, customized checklists

Outcome-oriented approach

Digital, data-driven certification

Certificates issued at scope level

Flexibility with choice of two editions

Higher level of integrity behind
GLOBALG.A.P. certificates

Stronger focus on sustainability
and animal welfare

Continuous improvement plan



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SUMMARY

- Over time the demands of retailers have changed. In the early days in the 90's, traceability and food safety were the main topics.
- Requirements for labelling followed.
- Company specific requirements are covered in GLOBALG.A.P.+ Add-ons.
- GRASP, GLOBALG.A.P. Risk Assessment on Social Practice, is now a must for most GLOBALG.A.P. certified producers.
- IDA: reliable data collection
- Integrated Farm Assurance (IFA) Standard Version 6 is covering current retailer requirements



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THANK YOU FOR YOUR ATTENTION!



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Find out more at
www.globalgap.org

