



GLOBALG.A.P.

INTEGRATED FARM ASSURANCE (IFA) FLOWERS AND ORNAMENTALS WHAT'S NEW?

IFA v6 – Published 26 April 2022





MAIN CONTENT CHANGES

Updated and strengthened focus on the environment/workers' well-being



- Scope: **flowers and ornamentals**
- Less prescriptive, now more **outcome oriented**
- Simplified, **leaner**



G.A.P. STANDS FOR
GOOD AGRICULTURAL PRACTICES AND GLOBALG.A.P.
SETS THE STANDARDS THAT ASSURE THEM.



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



WHAT IS THE POWER OF G.A.P.?

Good
agricultural
practices

- Create habits, change culture
- Their continuous implementation and continuous improvement have **the power to transform**





INDUSTRY CHALLENGES

Floriculture production under scrutiny

- Consumers are becoming more **aware of issues** such as pesticides, climate change, or social conditions for farm workers.
- They are demanding more transparency about flower production and **changing their buying behavior**.
- **Supply chains** are **evolving** to meet the increasing expectations of consumers and civil society.





INDUSTRY CHALLENGES

Floriculture production under scrutiny



- The flower industry is perceived as using too many resources for an **ornamental product**.
- The industry recognizes the need to **measure and improve the environmental performance** of the sector.
- Standards ensure that growers know which criteria they must fulfil to **run responsible production processes** and buyers can choose suppliers that fulfil their criteria simply by checking for a **single certificate**.



THE GLOBALG.A.P. SOLUTION

Integrated Farm Assurance (IFA) for flowers and ornamentals

- A global standard for the **responsible farming of flowers and ornamental plants: IFA for flowers and ornamentals**
- Helps growers assess and **improve their processes** and demonstrate their responsible farming practices
- **Provides clarity** on market requirements and acts as a **practical manual for producers**
- The first version of IFA for flowers and ornamentals was published in 2003 – GLOBALG.A.P. has **nearly 20 years of experience** in standard setting



THE GLOBALG.A.P. SOLUTION

Audits and certificates

- IFA for flowers and ornamentals is **audited annually** by approved certification bodies (CBs)
- A successful CB audit results in a certificate **valid for one year**
- **Certification options** for both individual producers and producer groups
- Certification status is visible in the **GLOBALG.A.P. IT systems** for transparency in the supply chain
- The **GLOBALG.A.P. Integrity Program** ensures consistent delivery and implementation of the standard worldwide.





ELIGIBILITY

Producer conditions

- **Scope:** cultivated (no wild collection), nonedible
- **No geographical restrictions**
Any country where a GLOBALG.A.P. approved CB is willing to conduct an audit
- **Growers of the following products:**
 1. Bamboo and ornamental grasses
 2. Bedding plants
 3. Cactuses/Succulents
 4. Cut flowers
 5. Flowering bulbs
 6. Hardy plants
 7. House plants
 8. Ornamental gourds
 9. Garden plants in pots (mixed varieties)
 10. Perennials
 11. Trees
 12. Turf



SCOPE

GLOBALG.A.P. IFA standard for
plant propagation material



Greenhouse



Postharvest



Nursery

Field



GLOBALG.A.P. IFA standard for flowers and ornamentals



IMPORTANT CHANGES TO THE GLOBALG.A.P. GENERAL REGULATIONS

- Self-assessment contains **comments for all not applicable and non-compliant Major Must and Minor Must principles and criteria** (i.e., no comments for all Recommendations and Major/Minor Musts that have been complied with).
- 10% of audits by CBs must be **unannounced**. This 10% no longer counts as additional audits, but is included in the original number of certification audits.
- **Three-year cycle rule** (with annual on-site audit) further reduces the content of the checklist to the applicable points and shortens the on-site audit duration.
 - Initial audit (for v6): All requirements are included in the **applicable checklists** (quality management system (QMS) and farm).
 - Subsequent 2 (operational items, as identified in the checklist)
 - Subsequent 3 (operational items, as identified in the checklist)



DEVELOPMENT OF IFA v6 FOR FLOWERS & ORNAMENTALS

World Consultation Tour

- Developed **by the industry, for the industry**
- **Three public consultation periods** took place over **two years**. **All stakeholders from the floriculture industry** were invited to participate and give feedback.
- There were **43 virtual World Consultation Tour** meetings on floriculture topics.
- We received over **300 comments** on the IFA v6 for flowers and ornamentals documents.
- The revised standard addresses the **needs and demands of the market**.





THANK YOU!

FLOWERS AND ORNAMENTALS FOCUS GROUP

Chairperson: **Ximena Franco/Florverde** Vice-chairperson: **Martin de la Harpe/Flamingo**-consultant

Name	Company	Country
Christine Bronsch	Consultant	Switzerland
Alvaro Cangas Cantos	Fleurop Interflora S.A.	Spain
Andrea Contreras	Expoflores	Ecuador
Martin de la Harpe	Consultant	United Kingdom
Herold Dongelmans	Koppert BV	Netherlands
Paula Edgington	BOPP	United Kingdom
Johanna Faasen	Landgard	Germany
Ximena Franco	Florverde Sustainable Flowers	Colombia
Nikki Hulzebos	Royal Flora Holland	Netherlands
Christoph Händle	Degenhardt Blumenzwiebelkulturen	Germany
Steffen Janssen	EDEKA AG	Germany
Jeroen Lambin	PCS	Belgium
Raimon Loman	Dutch Flower Group	The Netherlands
Sylvie Mamias	UNION FLEURS	Belgium
Dr Cristina Morinilli	Associazione Nazionale Commercianti Esportatori Fiori ANCEF	Italy
Dirk Teuber	Landwirtschaftskammer Nordrhein-Westfalen	Germany
Tobias Theuerkauf	REWE/Toom	Germany
Clement Tulezi	Kenya Flower Council	Kenya
Hester van Gent	Anthos	Netherlands
Henko Vlok	Sustainability Initiative of South Africa NPC (SIZA)	South Africa
Gregor Walcher-Eichinger	Agrarmarkt Austria Marketing (AMA)	Austria
Elise Wieringa	Royal Lemkes	The Netherlands
Gregg Wisniewski	Syngenta AG	Switzerland
Mikyás Bekele Woldeyes	EHPEA	Ethiopia
Martin Zuijderwijk	Biobest Group	Netherlands



A woman with her hair in a bun, wearing a blue denim shirt and a grey striped apron, is smiling while looking at a tablet computer. She is standing in a greenhouse or nursery, surrounded by rows of red flowers. The background shows the white structural elements of the greenhouse.

IFA V6 FOR FLOWERS AND ORNAMENTALS STANDARD CONTENT



STANDARD CONTENT

Key topics

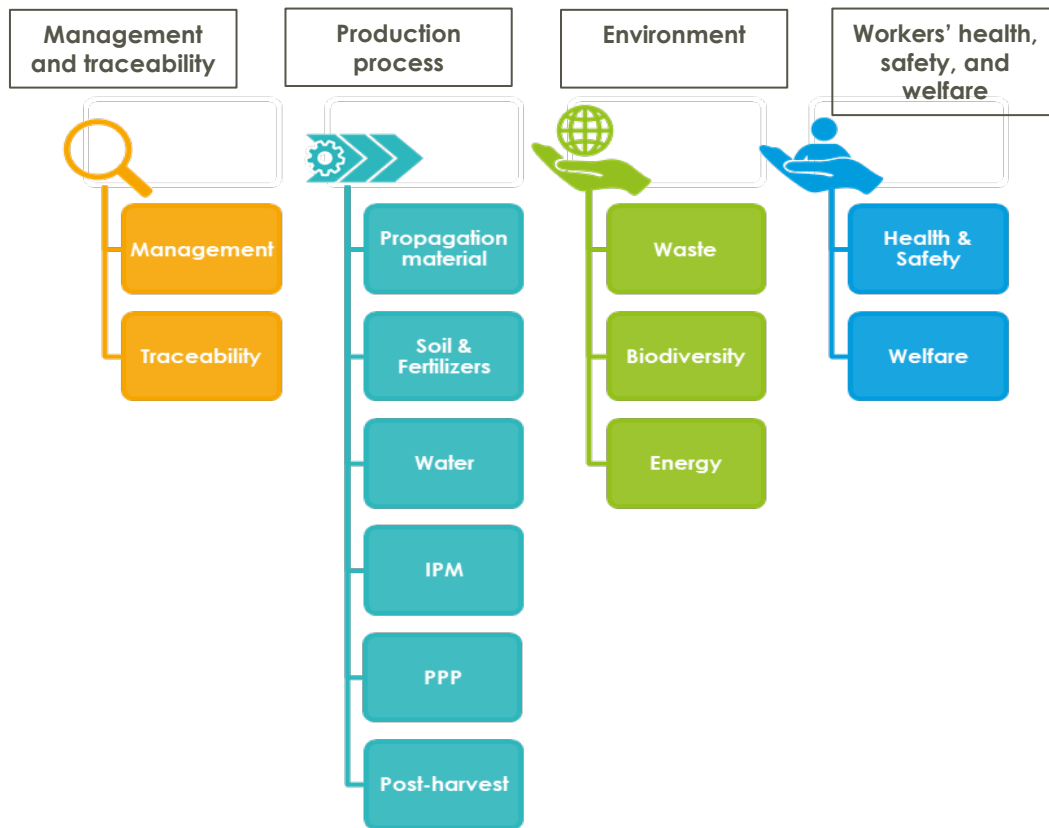
IFA v6 for flowers and ornamentals takes a holistic approach to responsible farming through **four key topics**:





STANDARD CONTENT

Following the production process





STANDARD CONTENT

Addressing specificities of flowers and ornamentals

Visual inspection instead of documents. Deleted documents:

- Site risk assessment and management plan (product safety)
- Hygiene risk assessment and management plan
- Equipment/Risks food safety
- Waste management plan
- Wildlife and conservation plan

Deleted/Not relevant to flowers and ornamentals:

- Site risk assessment and management plan (product safety)
- Hygiene risk assessment and management plan
- Equipment/Risks food safety



STANDARD CONTENT

Main changes to environment

- Addressing **plastic** use and waste
- **Energy**: efficient use and renewables
- **Biodiversity** protection, land conversion, and invasive alien species
- **Water**: monitoring use of **water sources** and **efficient** use
- Proper disposal of all types of **wastewater**
- **Eutrophication**: avoiding leakage of nitrogen and phosphorus
- **Peat**: minimum amount to be substituted
- **Integrated pest management (IPM)**: adviser, knowledge, and plan



STANDARD CONTENT

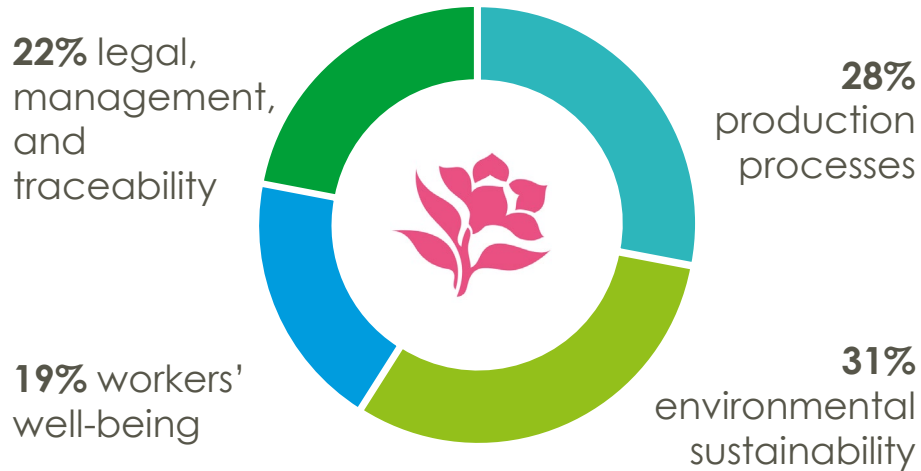
Main changes to workers' health, safety, and welfare

- **Hygiene** instructions (in health and safety procedures)
- Working at **heights**: competence required
- Obligation to use **personal protective equipment (PPE)**, not just to provide it
- Health and safety assessments include attention to local legislation regarding **infectious diseases**.
- **Safe handling of concentrated** plant protection products (PPPs)
- **Health check** offered to workers handling PPPs
- **Warning signals** for hazards



STANDARD CONTENT

Principles and criteria





STANDARD CONTENT

What are principles and criteria?

Principles

- Fundamentals that set the foundation of a GLOBALG.A.P. requirement
- Written in statement form
- Describe the outcome to achieve

Criteria

- Methods that producers can use to demonstrate a principle to be true
- Compliance can be evidenced in different ways, e.g., through data, proof of procedure, a record, etc.

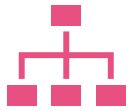




STANDARD CONTENT

Principles and criteria

IFA v6 for flowers and ornamentals covers the **entire production process**. Principles and criteria cover:



Management and traceability



Soil, plant nutrition, and fertilizers



Biodiversity



Waste



Plant protection products



Workers' health, safety, and welfare



Integrated pest management



Water



Energy



Postharvest



INTENDED GOALS

Management and traceability



Management
and traceability

Topic	Goal
Management	Continuous integration of site-specific knowledge and practical experience
Traceability	Reconcile products with the implemented practices. Distinguish certified from noncertified products.* * The term "certified products" refers to products originating from a farm with GLOBALG.A.P. certified production processes.



WHAT'S NEW IN IFA V6

Continuous improvement on producer level

Continuous improvement – an example for the floriculture industry

- The producer documents the different pest control strategies they use (or could potentially use): IPM plan.
- This includes preventive measures, monitoring technique, and types of strategy/intervention to combat two disease-causing microorganisms and one insect pest.
- The producer identifies that they added a new control strategy this year which could help avoid the use of a certain insecticide – they added a natural enemy to control the insect.
- The annual revision of the IPM plan encourages reflection on possible ways to change.





INTENDED GOALS

Workers' health, safety, and welfare



Workers' health,
safety, and
welfare

Topic	Goal
Workers' health, safety, and welfare	Ensure safe working conditions and competence Contributing to 

- Health and safety
- Hazards and first aid
- PPE
- Welfare

Target 3.9

By 2030, substantially reduce the number of deaths and illnesses from **hazardous chemicals** and air, water, and soil **pollution** and **contamination**

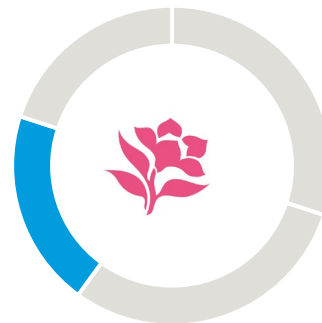


WHAT'S NEW IN IFA V6

Workers' well-being

Workers' health and safety

- Stricter requirements (health checks, mixing concentrated PPPs)
- Higher requirement for risk assessment of hazards and accident/emergency procedures
- Evidence that PPE is used by the workers
- Workers are informed of their rights related to the standard. A grievance mechanism is available. Workers can file concerns in a confidential way and without fear of retaliation.



Workers' health, safety,
and well-being



WHY THIS STANDARD?

Controlled use of PPPs






Plant protection products



Integrated pest management



Postharvest

Topic	Goal
Propagation	Ensure good starting material and plants for a healthy crop
Integrated pest management	Protect the crop while minimizing the risk of toxicity
Plant protection products	Complement plant protection through the proper and safe use of authorized products
Postharvest	Ensure good and longer shelf life through safe use of authorized treatments when needed
	Addressed environmental impact: Toxicity (environment, human) Contributing to   



WHAT'S NEW IN IFA V6

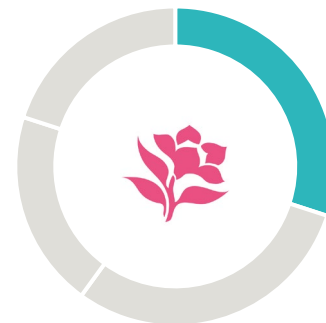
Production processes

Plant propagation material (PPM)

- Intellectual property rights
- Records of PPPs at nursery level
- Transition period (introduction → selling), focus on bulbs

Integrated pest management (IPM)

- IPM plan to retain knowledge and assess strategies
- Stronger IPM: knowledge of pests and strategies
 - (agreed as option to PPP residues/negative PPP list)



Production processes



WHY THIS STANDARD?



Soil, plant
nutrition, and
fertilizers

Topic	Goal
Soil, plant nutrition, and fertilizers	<p>Protect soil and promote efficient plant nutrition in a way that minimizes negative environmental impact (eutrophication)</p> <p>Addressed environmental impact: Eutrophication</p> <p>Contributing to</p> <div style="display: flex; justify-content: space-around;"><div style="text-align: center;"><p>6 CLEAN WATER AND SANITATION</p></div><div style="text-align: center;"><p>15 LIFE ON LAND</p></div><div style="text-align: center;"><p>14 LIFE BELOW WATER</p></div></div>

Target 6.3

By 2030, **improve water quality by reducing pollution**, eliminating dumping, and **minimizing release of hazardous chemicals and materials**, halving the proportion of untreated wastewater and substantially increasing recycling and safe reuse globally

Target 14.1

By 2025, prevent and significantly reduce marine pollution of all kinds, **in particular from land-based activities**, including marine debris and **nutrient pollution**

Target 15.1

By 2020, ensure the conservation, restoration, and sustainable use of **terrestrial and inland freshwater ecosystems** and their services, in particular forests, wetlands, mountains, and drylands, in line with obligations under international agreements

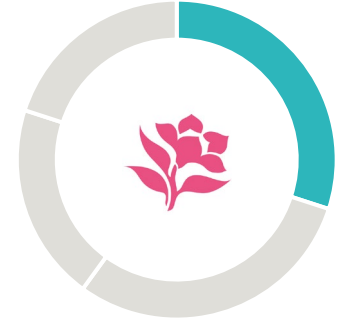


WHAT'S NEW IN IFA V6

Production processes

Soil, plant nutrition, and fertilization:

- Minimizing leakage of phosphorus and nitrogen to avoid eutrophication, by
 - Ensuring safe storage of fertilizers (organic and inorganic)
 - Acknowledging nitrogen/phosphorous content of irrigation water
 - Acknowledging nitrogen/phosphorous content of organic amendments
- Minimum requirements for the substitution of peat used in substrates in favor of renewable alternatives (i.e., 10% of the total volume of raw materials used for substrates must not be peat)



Production processes



WHY THIS STANDARD?



Water

Topic	Goal
Water	Promote efficient use and protection of water sources Addressed environmental impact: Water use and scarcity Contributing to 

Target 6.3

By 2030, improve water quality by reducing pollution, eliminating dumping, and minimizing release of hazardous chemicals and materials, halving the proportion of **untreated wastewater** and substantially **increasing recycling and safe reuse** globally

Target 6.4

By 2030, substantially **increase water-use efficiency** across all sectors and **ensure sustainable withdrawals** and supply of freshwater to address water scarcity and substantially reduce the number of people suffering from water scarcity



WHAT'S NEW IN IFA V6

Production processes

Water

- Water recycling
- Rainwater collection
- Maintenance of water storage facilities
- Protection of water sources
- Efficient use of water
- Proper disposal of all types of wastewater



Production
processes



WHY THIS STANDARD?



Energy

Topic	Goal
Energy	<p>Optimize energy use, minimize nonrenewables and greenhouse gas emissions</p> <p>Addressed environmental impact: Climate change</p> <p>Contributing to </p>

Target 7.2

By 2030, increase substantially the share of **renewable energy** in the global energy mix

Target 7.3

By 2030, double the global rate of improvement in **energy efficiency**



WHY THIS STANDARD?



Waste

Topic	Goal
Waste	Avoid pollution, ensure that waste is disposed of properly, and that recycling practices are in place Addressed environmental impact: Toxicity, eutrophication, water scarcity Contributing to   

Target 3.9

By 2030, substantially reduce the number of deaths and illnesses from **hazardous chemicals** and air, water and soil **pollution** and **contamination**

Target 6.3

By 2030, improve water quality by **reducing pollution**, eliminating dumping, and **minimizing** release of **hazardous chemicals and materials**, halving the proportion of untreated **wastewater** and substantially **increasing recycling** and safe reuse globally

Target 14.1

By 2025, prevent and significantly reduce **marine pollution** of all kinds, in particular from land-based activities, including marine debris and **nutrient pollution**



WHY THIS STANDARD?



Biodiversity

Topic	Goal
<p>Biodiversity</p>	<p>Enhance biodiversity on the farm to benefit from ecological services</p> <p>Addressed environmental impact: Loss of biodiversity and land Use</p> <p>Contributing to</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div data-bbox="1045 484 1207 642" style="border: 1px solid black; padding: 5px; background-color: #0072bc; color: white; text-align: center;"> <p>14 LIFE BELOW WATER</p>  </div> <div data-bbox="1234 484 1396 642" style="border: 1px solid black; padding: 5px; background-color: #28a745; color: white; text-align: center;"> <p>15 LIFE ON LAND</p>  </div> </div>

Target 14.1

By 2025, prevent and **significantly reduce marine pollution** of all kinds, in particular from land-based activities, including marine debris and **nutrient pollution**

Target 15.8

By 2020, introduce measures to prevent the introduction and significantly **reduce the impact of invasive alien species** on land and water ecosystems and control or eradicate the priority species

Target 15.1

By 2020, ensure the **conservation, restoration, and sustainable use of terrestrial and inland freshwater ecosystems** and their services, in particular forests, wetlands, mountains, and drylands, in line with obligations under international agreements



WHAT'S NEW IN IFA V6

Environmental sustainability

Waste

- Stricter requirements for all types of waste. Explicit mention of plastics
- Improved approach to “Site in orderly condition”

Biodiversity

- Biodiversity is enhanced
- The farm is considered as an agricultural ecosystem, conversion and restoration are noted
- Unproductive sites, if they exist, must be used to enhance biodiversity
- Awareness of invasive alien species

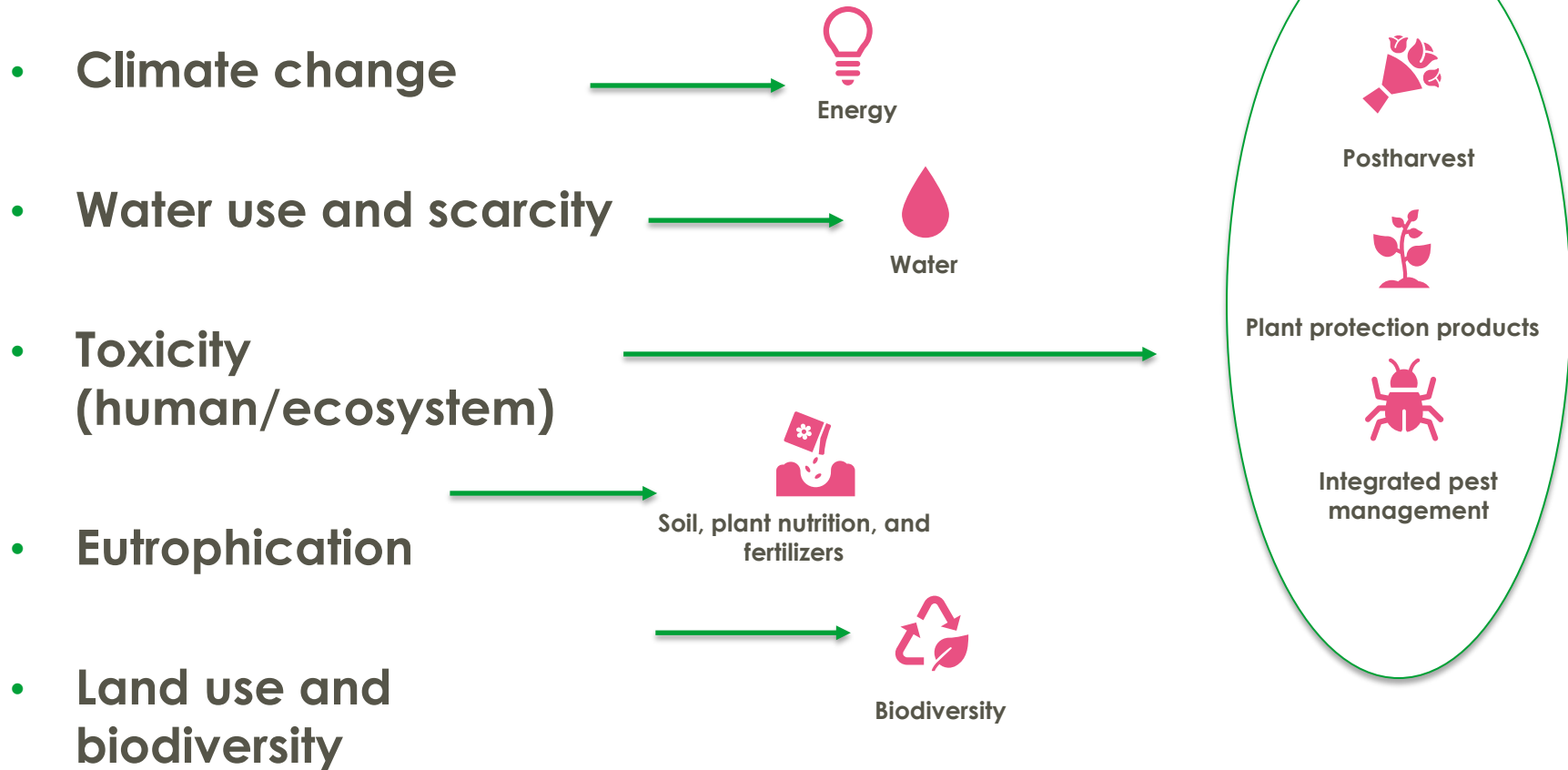


Environmental
sustainability



STANDARD CONTENT

Addressing key environmental impact categories





WHAT'S NEW IN IFA V6

Environmental sustainability

Environmental indicators/metrics:

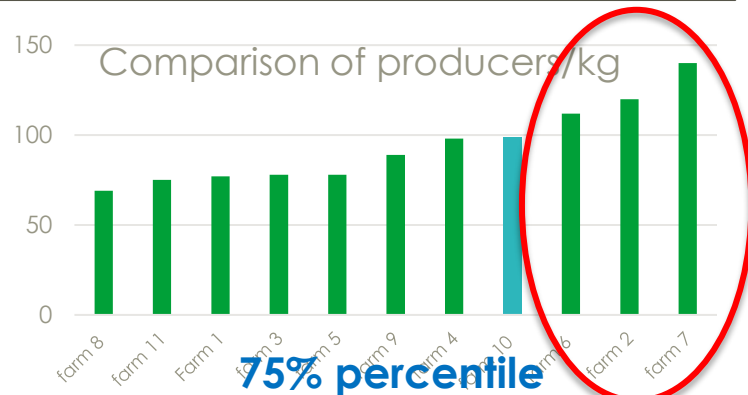
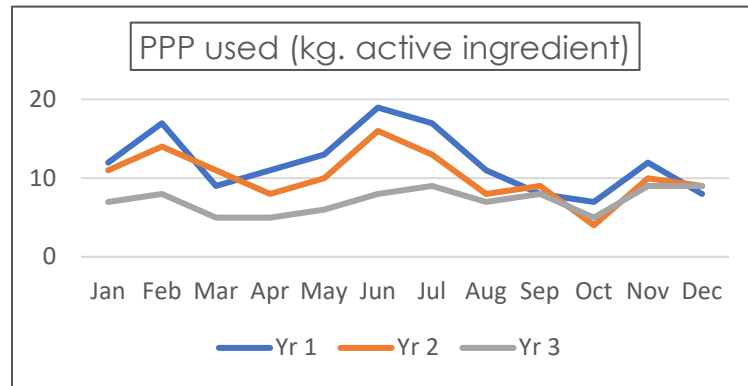
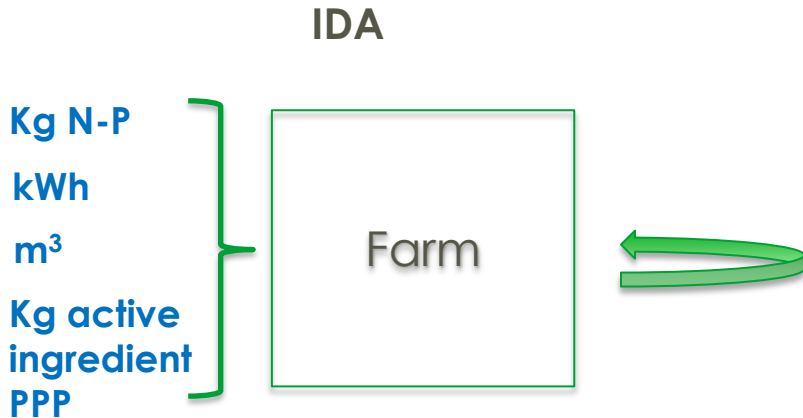
- Management of input consumption supported through metrics such as water, energy, fertilizers or PPPs
- Growers may complement IFA with the **Impact-Driven Approach to Sustainability** (IDA) add-on to digitally share data



Environmental
sustainability



IDA



A young woman with blonde hair tied back, wearing a green and white plaid shirt under denim overalls, smiles warmly while holding a large bouquet of vibrant pink dahlias. The background is a lush garden with various green plants and flowers, creating a bright and cheerful atmosphere.

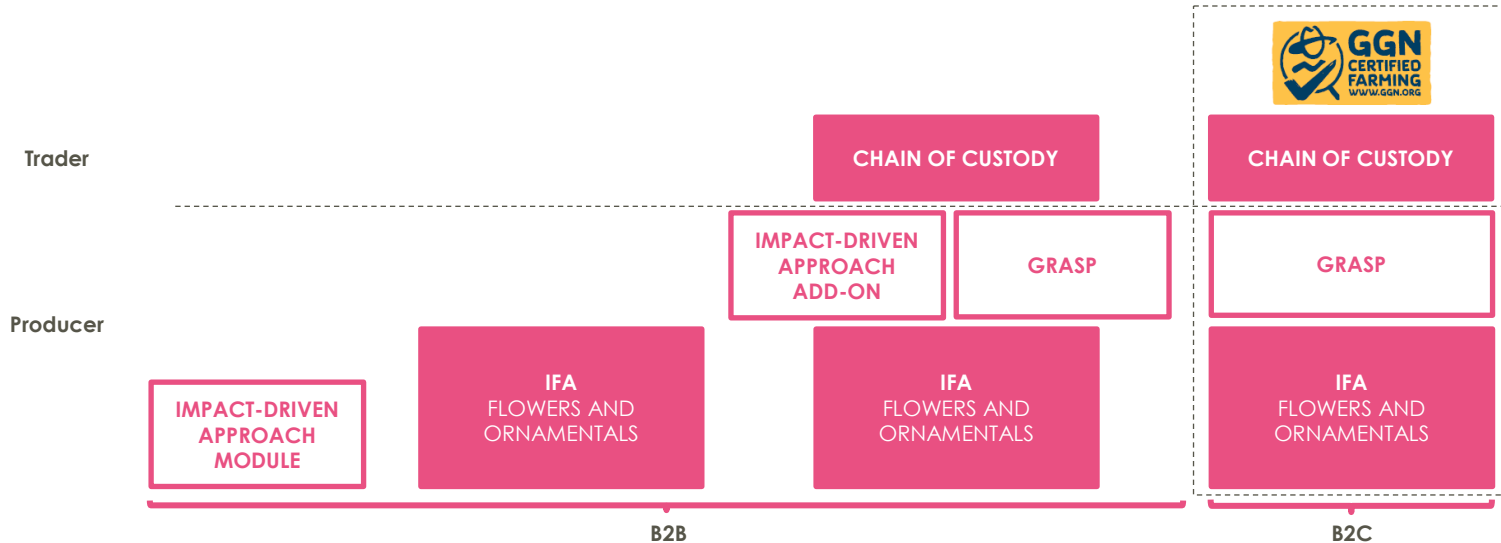
**IFA FOR
FLOWERS AND
ORNAMENTALS
IN THE
GLOBALG.A.P.
PORTFOLIO**



THE GLOBALG.A.P. PORTFOLIO

The most complete portfolio of solutions for the floriculture sector

- GLOBALG.A.P. offers **solutions** for environmental registration, B2B certification, consumer labeling, and traceability systems.
- IFA is a building block – **adapt and upgrade** your assurance with other GLOBALG.A.P. farm assurance solutions.





THE GLOBALG.A.P. PORTFOLIO

Industry recognition

- IFA for flowers and ornamentals and IDA fulfil **FSI 2025 requirements** for the **GAP and environmental baskets**.
- IFA for flowers and ornamentals is the **original reference standard** in the **FSI GAP basket**.
- IDA fulfils Royal FloraHolland's **digital environmental registration requirements**.
- GLOBALG.A.P. solutions for floriculture contribute to the **UN Sustainable Development Goals**, including:
 - Goal #3: Good health and well-being
 - Goal #6: Clean water and sanitation
 - Goal #7: Affordable and clean energy
 - Goal #8: Decent work and economic growth
 - Goal #12: Responsible consumption and production
- Goal #14: Life below water
- Goal #15: Life on land





GGN LABEL

A consumer label initiative

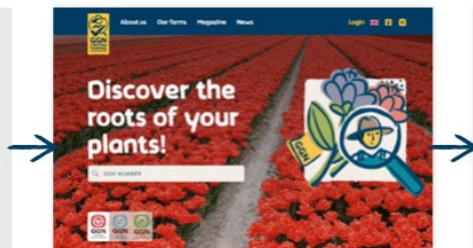


The **GGN label** is a cross-category, consumer-facing label based on a set of GLOBALG.A.P. certification standards. It stands for certified, responsible farming and transparency. The GGN label offers consistent, consumer-relevant assurance and orientation throughout the store.

How it works



Unique number for each business (GGN or CoC Number)



Discover the companies behind the GGN label at www.ggn.org.



View farm/business profiles with detailed information



ONE LABEL FOR ALL SCOPES



Fruit and
vegetables



Aquaculture



Flowers and
ornamentals



**ADDITIONAL
BENEFITS**



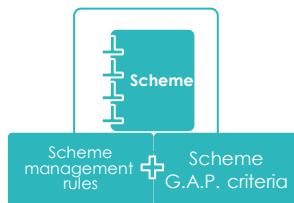
BENCHMARKING

Championing a “one auditor through the farm gate” principle

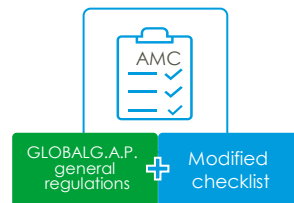
Harmonizing the requirements of different schemes and checklists cuts out duplication and takes the complexity out of certification.

There are two types of **farm assurance equivalent to IFA for flowers and ornamentals**:

Benchmarked schemes – certification schemes using their own scheme management rules and G.A.P. requirements that are recognized as equivalent to the GLOBALG.A.P. general regulations and the product-specific principles and criteria respectively.



Approved modified checklists (AMC), also known as benchmarked checklists) – certification systems or standards using the GLOBALG.A.P. general regulations as scheme management rules and their own G.A.P. requirements that are recognized as fully conforming with the GLOBALG.A.P. ones.





REGISTERED TRAINERS

A helping hand for the certification process

Registered Trainers are:

- Agricultural experts
- Trained by GLOBALG.A.P.
- Authorized to provide trainings on GLOBALG.A.P. standards
- Able to support you on your journey to achieving GLOBALG.A.P. certification.



Find Registered Trainers using our [“Find a Registered Trainer”](#) tool. You can recognize them by their green seal.



EXPECTED LAUNCH DATES

26 April 2022:

Launch of IFA v6 (interim version)
Publication of **English** documents

Q2 2022:

Launch of IFA v6 (interim version) in further languages

- German, Dutch, and Spanish

September 2022:

Launch of IFA v6 (final version)

- Italian, Portuguese, and French

Date TBC

**Launch of IFA
standard for plant
propagation
material TBC**

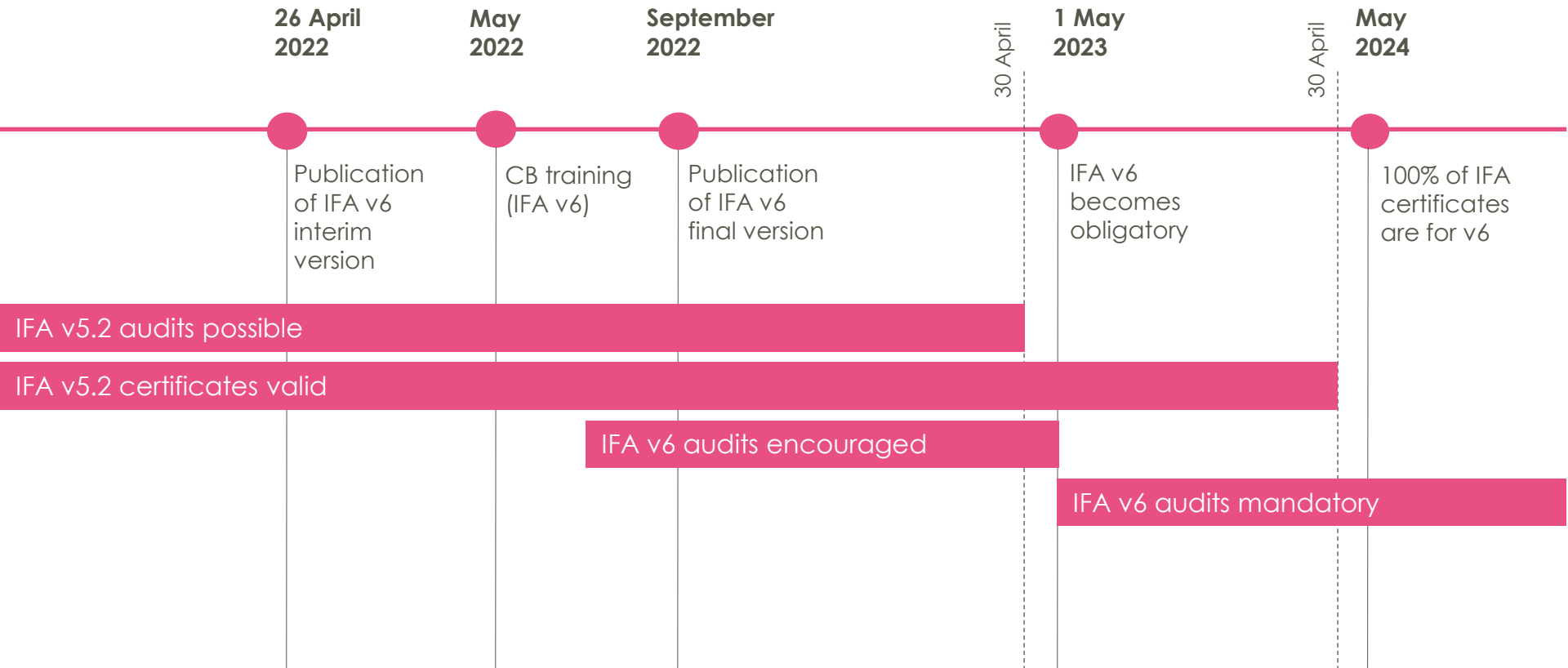


WHAT ARE THE UPCOMING DEVELOPMENTS?

Date	Milestone	Explanation
26 Apr 2022	<ul style="list-style-type: none">• Launch of interim version of IFA v6 documents in English.	Interim version means the first publication of the final standard. Minor edits e.g., typo/spelling corrections in the normative documents may occur between April and September. The IFA v6 documents for flowers and ornamentals will be published in Dutch and German in May 2022
Summer 2022	<ul style="list-style-type: none">• CB training for IFA v6	IFA v6 audits are possible as soon as CBs have been trained.
Sept 2022	<ul style="list-style-type: none">• Launch of final version of IFA v6 documents in English, Dutch, and German• Further languages TBC	Final version means the published version which will ultimately become obligatory . Expected languages: Italian, Spanish, French, and Portuguese (Brazil)
Mar 2023	<ul style="list-style-type: none">• Last possible month to complete an IFA v5.2 audit	Any v5.2 certificate obtained at this time remains valid for its entire one-year cycle.
Apr 2023	<ul style="list-style-type: none">• IFA v6 becomes obligatory.	IFA v6 replaces IFA v5.2: No further audits for IFA v5.2 may take place after this point.



WHAT IS THE TRANSITION PERIOD FROM IFA V5 TO V6? (FO)





MAIN CONTENT CHANGES

Updated and strengthened focus on the environment/workers' well-being



- Scope: **flowers and ornamentals**
- Less prescriptive, now more **outcome-oriented**
- Simplified, **leaner**

