

PROGRESS

Promoting Green Deal Readiness in
the Eastern Partnership Countries

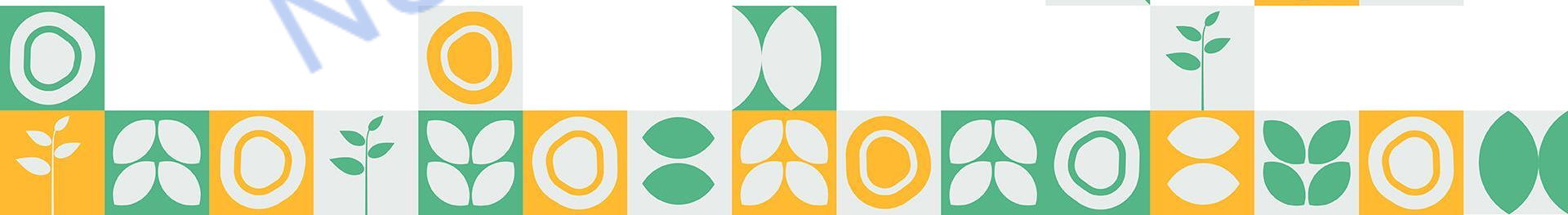
REQUIREMENTS OF INTERNATIONAL STANDARDS AND CERTIFICATION SCHEMES APPLICABLE TO THE CULTIVATION AND PROCESSING OF APPLES

Yulia Sliva

PhD in Engineering,

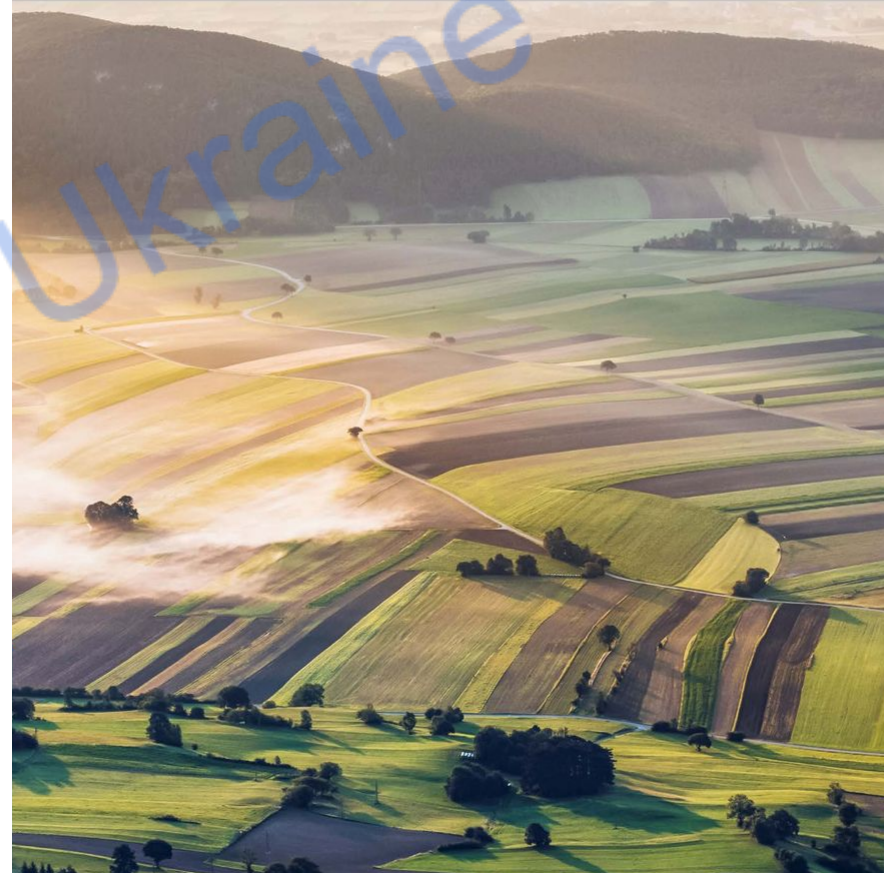
Associate Professor, Department of Standardisation and Certification of Agricultural
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Plan

1. General provisions on standardisation and certification;
2. Requirements of standards and certification schemes, taking into account the sustainable development of horticulture;
3. Requirements of international and national standards for products;
4. Requirements of international and national standards for management systems.



General provisions on standardisation and certification

Standardisation – this involves the installation and implementation **regulatory and technical documents**, which establish uniform mandatory requirements regarding the type, size, quality, standards and other characteristics of products and services, processes and management systems, with a view to optimising activities in specific areas of resource utilisation, ensuring safety and **quality improvement** and services, processes and management systems.

In accordance with ISO, **the most important outcomes of standardisation** are:

- improving the suitability of products, processes and services for their intended purposes;
- removing barriers to trade;
- promoting scientific and technical cooperation.

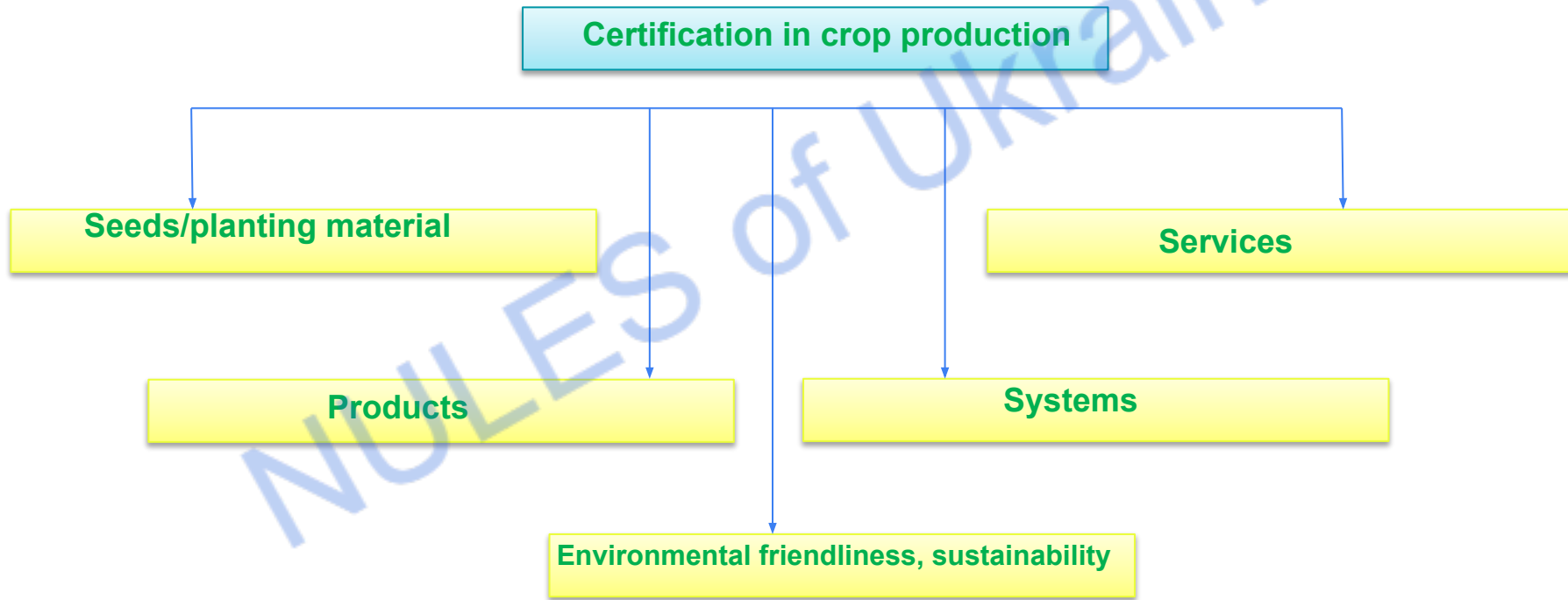
Certification – a procedure for verifying that a system, the results of production activities, goods or services comply with regulatory requirements, whereby a third party provides documentary evidence that **product, work (process), service or management system** meets the specified requirements.

The results of the certification are:

- improved management and a deeper understanding of processes;
- greater satisfaction of customer needs;
- additional competitive advantages over competitors' non-certified products;
- increased market share.

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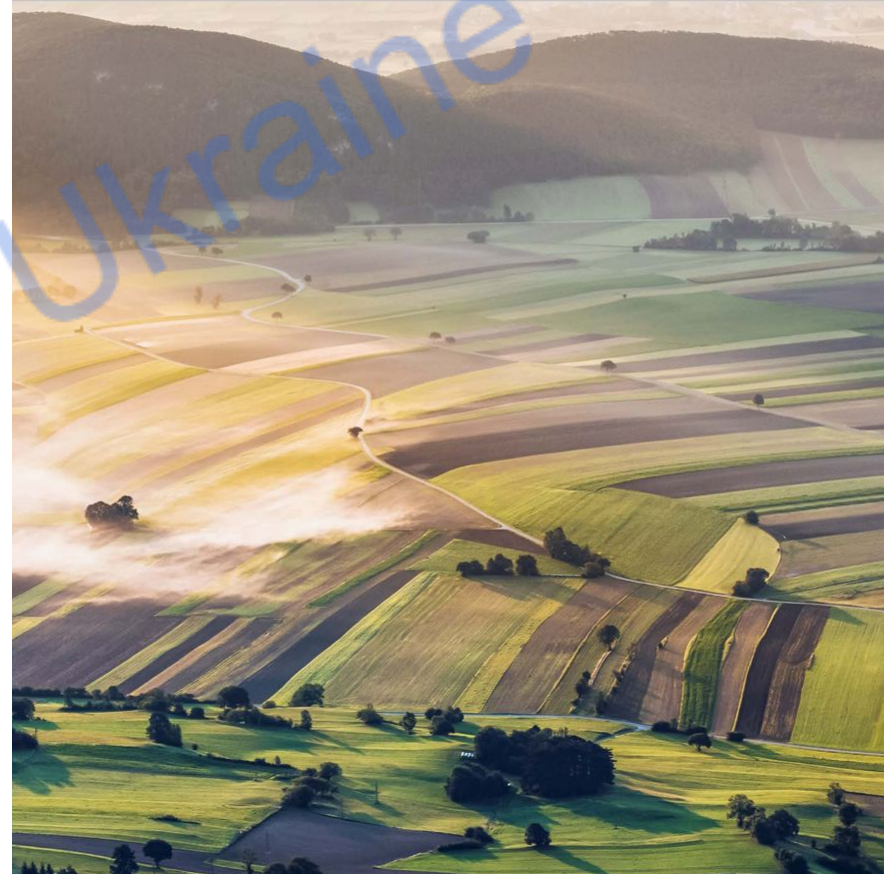
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the Eastern Partnership Countries

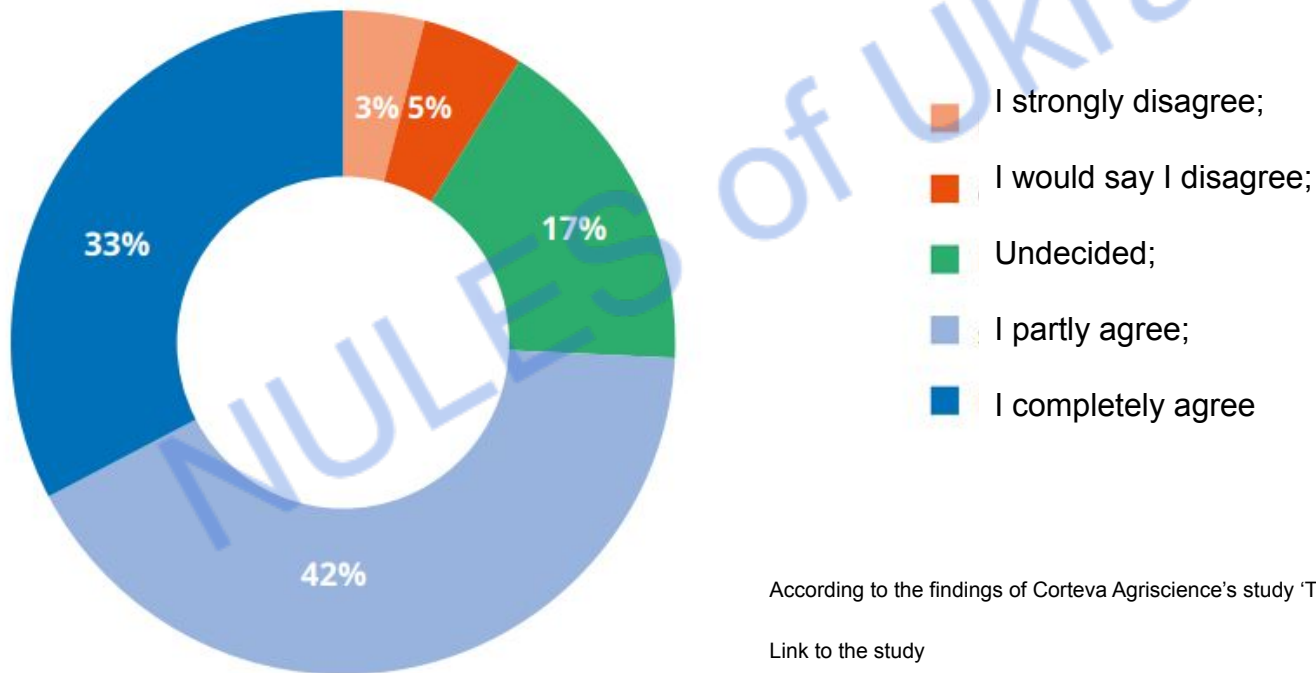
Requirements of
standards and
certification schemes,
taking into account the
sustainable development
of horticulture



Consumer survey

To what extent do you agree with the following statement?

I believe that buying organically produced food is good for my health and well-being.



According to the findings of Corteva Agriscience's study 'The Sustainable Food Systems in Europe'

[Link to the study](#)

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The adoption of sustainable development practices by farmers in the EU

Restrictions on the use of synthetic plant protection products

Implementation of best practices in the agricultural sector

Use of new methods/optimisation of seed production

Greening of water resource management

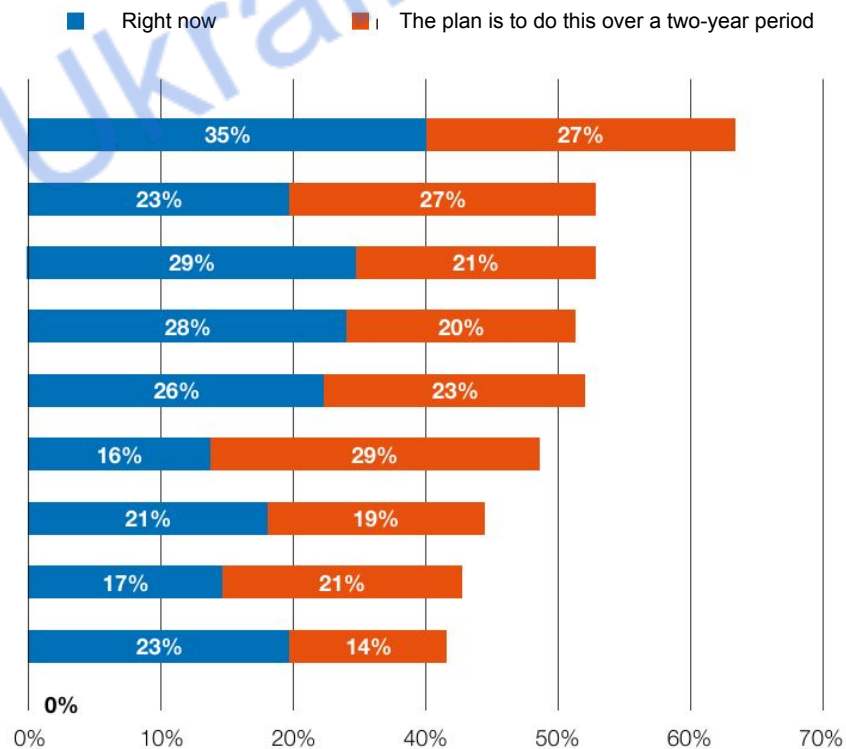
Agroforestry

Reducing the carbon footprint in agriculture

Reducing the carbon footprint in transport

Water conservation

None



According to the findings of Corteva Agriscience's study 'The Sustainable Food Systems in Europe' [Link to the study](#)

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Standards and certification schemes that take into account the concept of sustainable horticulture

Organic product



Ethical and sustainable supply chains



<https://www.sedex.com/>

Sustainable development, animal welfare, health and social responsibility



<https://www.krav.se/en/standards/>



<https://www.globalgap.org/what-we-offer/solutions/grasp/>

Carbon footprint



<https://www.iscc-system.org/>

Certification of forests and forest products



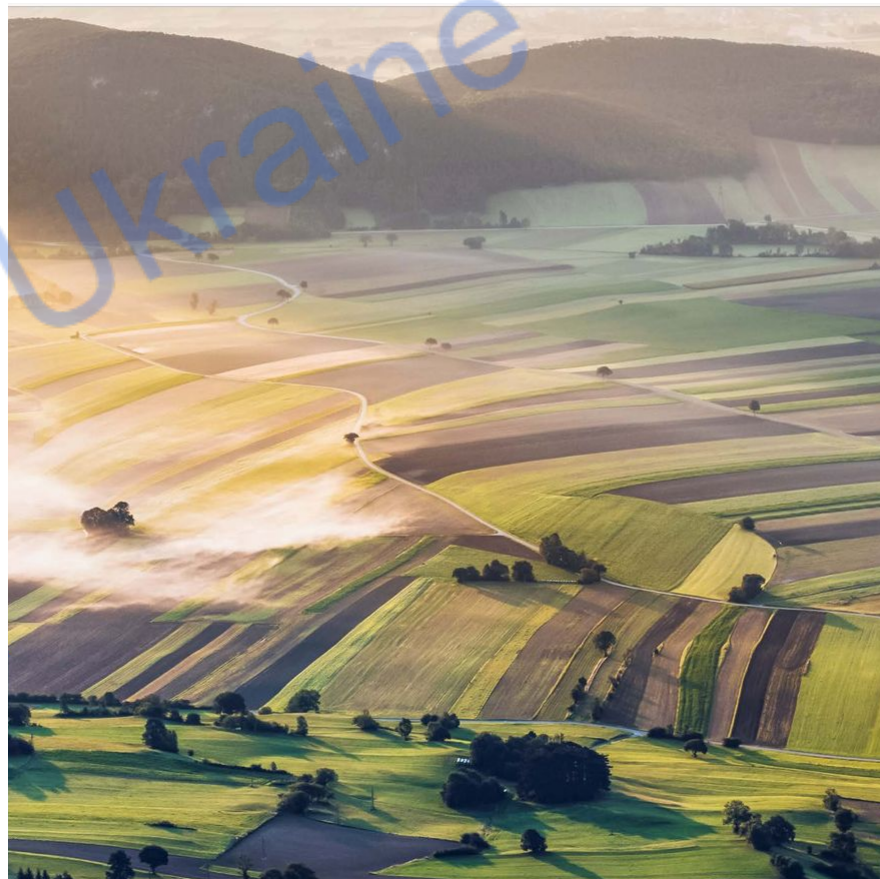
Biomass certification

KZR INiG

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Requirements of
international and
national standards for
products



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Requirements of international and national standards for products

العربية 中文 English Français Русский Español

CODEX ALIMENTARIUS

INTERNATIONAL FOOD STANDARDS



Food and Agriculture Organization of the United Nations



World Health Organization

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codexalimentarius > Codex Texts > Standards

Standards

Click on any column to order the list of standards. Use the yellow arrow to order the data ascending or descending.

Type any criteria in the search box to filter the data (e.g. a year, a committee code or a keyword). Download a standard by clicking on the green symbol in the available languages indicated.

Reference	Title	Committee	Last modified	EN	FR	ES	AR	ZH	RU
CXS 17-1981	Standard for Canned Applesauce	CCPFV	2022	✓	✓	✓	✓	✓	✓
CXS 299-2010	Standard for Apples	CFFV	2010	✓	✓	✓	✓	✓	✓



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Requirements of international and national standards for products



codexalimentarius > Codex Texts > Codes of Practice

Codes of Practice

Reference	Title	Committee	Last Amendment	EN	FR	ES	Other Languages
CXC 1-1969	General Principles of Food Hygiene	CCFH	2022	✓	✓	✓	✓ ✓
CXC 2-1969	Code of Hygienic Practice for Canned and Low-Acid Canned Foods	CCPFV	2011	✓	✓	✓	⊖ ✓
CXC 3-1969	Code of Hygienic Practice for Dehydrated Foods	CCPFV	2011	✓	✓	✓	⊖ ✓
CXC 5-1971	Code of Hygienic Practice for Fresh Fruits and Vegetables, Including Edible Mushrooms	CCPFV	1971	✓	✓	✓	⊖ ✓
CXC 44-1995	Code of Practice for Packaging and Transport of Fresh Fruits and Vegetables	CCFV	2004	✓	✓	✓	✓ ✓
CXC 50-2003	Code of Practice for the Prevention and Reduction of Patulin Contamination in Apple Juice and Apple Juice Ingredients	CCCF	2003	✓	✓	✓	✓ ✓
CXC 53-2003	Code of Hygienic Practice for Fresh Fruits and Vegetables	CCFH	2017	✓	✓	✓	⊖ ✓



No	Designation	Title of the regulatory document
Fresh apples		
1	DSTU 4721:2007	Apple cultivation techniques. Key requirements
2	DSTU ISO 8682:2006	Apples. Storage in a controlled atmosphere
3	DSTU ISO 1212:2006	Apples. Storing in the fridge
4	DSTU E9K OOH FFV-50:2007	Apples. Guidelines on supply and quality control
5	DSTU 8323:2015	Fresh early-ripening apples. Specifications
6	DSTU 8133:2015	Fresh apples of medium and late ripening. Specifications
7	DSTU 7075:2009	Fresh apples for industrial processing. General technical specifications
8	DSTU 2849-94	Fresh apples. Storage methods in cold stores
Processed apple products		
9	DSTU ISO 7701:2019 (ISO 7701:1994, IDT)	Dried apples. Specifications and test methods
10	DSTU E9K OOH DF-16:2007	Dried apples. Guidelines for supply and quality control
11	DSTU 7993:2015	Pickled apples. Specifications
12	DSTU 6086:2009	Tinned food. Pickled apples with peppers. Specifications
13	DSTU 4836:2007	Ciders. General technical specifications
14	DSTU 6072:2009	Jam. General technical specifications
15	DSTU 4900:2007	Jemmy. General Technical Specifications
16	DSTU 8070:2015	Calvados of Ukraine. Technical specifications
17	DSTU -H CAC/RCP 50:2014 (CAC/RCP 50-2003, IDT)	Guidance on preventing patulin contamination in apple juice, apple juice ingredients and other beverages
Control methods		
18	DSTU ISO 8128-2:2014	Apple juice, apple juice concentrates and beverages containing apple juice. Determination of patulin content. Part 2. Method using thin-layer chromatography
19	DSTU ISO 8128-1:2014	Apple juice, apple juice concentrates and beverages containing apple juice. Determination of patulin content. Part 1. Method using high-performance liquid chromatography

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Product certification schemes

Organic product



Religious certification



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Requirements of international and national standards for management systems



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GLOBAL GA.P

Organic product

ISO 22000
FSSC 22000

HACCP
BRC
IFS
ISO 22000
FSSC 22000

BRC
logistics
IFS
logistics

BRC
IFS
ISO 22000
FSSC 22000

ISO 9001 / ISO 14001 / OHSAS 18001/ ISO 26000

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Sectors covered by the GFSI



Get acquainted with certification programs – version 2020

Choose your field of activity below to learn more about the relevant certification programs.

- All applications areas
- BI - Production of grain and pulses
- CII - Processing of plant-based products
- E - Catering
- I - Production of food packaging
- JII - Production of dietary supplements
- Livestock farming – breeding of animals for meat / milk / eggs / honey
- BIII - Primary processing of plant products
- CIII - Processing of plant-based products for use as animal feed (mixed products)
- FI - Wholesale / Retail trade
- K - Production (bio)surfactants and biofertilizers, use of microorganisms as food ingredients or as processing aids
- All - Production of fish and seafood
- CO - Primary conversion of animals
- CIV - Processing of animal and plant-based products, intended for shelf-stable products (mixed products)
- FII - Wholesale broker / agent
- H - Provision of food safety services
- BI - Production of plants (including seed and planting material)
- CI - Processing of perishable animal products
- D - Feed production
- G - Provision of storage and distribution services
- CB - Hygiene design (premises and equipment design and construction)

<http://www.mygfsi.com/>

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GFSI-recognised certification schemes for Category B and I



<http://www.mygfsi.com/>

A screenshot of the GFSI website's main content area. At the top left, there are logos for "The University of Cambridge FORUM" and "GFSI". A navigation menu at the top right includes "WHO WE ARE", "WHAT WE DO", "HOW TO IMPLEMENT", "EVENTS", "LIBRARY", "CONTACT", and a highlighted "GET INVOLVED" button. The main content is organized into five grid cells, each displaying a certification scheme logo and its name: "CANADAGAP" (with a red maple leaf icon), "Freshcare" (with a green and yellow leaf icon), "GLOBALG.A.P." (with a green circular icon made of leaves), "primus GFS" (with a blue circular icon), and "SQF INSTITUTE" (with a blue globe icon).

WHO WE ARE WHAT WE DO HOW TO IMPLEMENT EVENTS LIBRARY CONTACT GET INVOLVED

CANADAGAP
CanadaGAP

Freshcare
Freshcare

GLOBALG.A.P.
GLOBALG.A.P.

primus GFS
PrimusGFS Standard

SQF INSTITUTE
SQF

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Countries with IFA-certified production processes for fruit and vegetables

As of 31/12/2024



TOTAL 133



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IFA for fruit and vegetables: a quick overview



More than 600 standards

of fruits and vegetables, available for
IFA certification



Relevant for all

main types of production systems,
from open field to hydroponics



Certification options

for different sizes and types of farms,
including smallholders and groups of
producers



Recognized worldwide

with a global network of accredited
certification bodies and registered
trainers



Easily integrates

with existing solutions for farm assurance
to reduce audit duplication



Recognized by GFSI

(IFA v6 GFS) and accepted for GFSI
benchmarking of processing BRCGS/IFS
food safety standards

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Producers

Certification bodies

Buyers

New Version Available

About GLOBALG.A.P.

What we offer

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Getting started: Five steps to certification

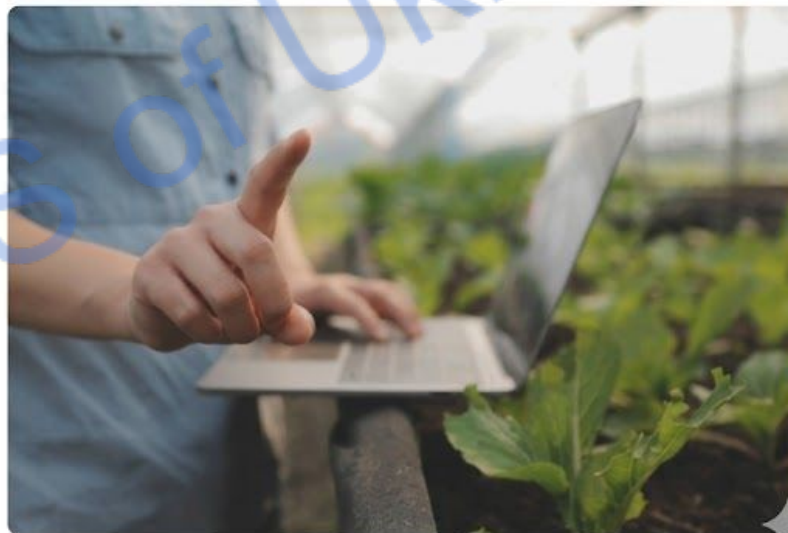
1 Standard selection

2 Audit preparation

3 Certification body selection

4 Audit process

5 Audit outcome



What topics does IFA cover for fruits and vegetables?


IFA for fruits and vegetables covers key aspects of primary production, from pre-harvest activities to post-harvest handling. The standard was developed with industry experts and underwent extensive public consultation as part of our standard-setting process. This ensures that IFA remains robust, realistic, and cost-effective for producers, while meeting the ongoing needs of buyers.

The ennsiled IFA v6 for fruits ta ovovib know ers:

- Traceability
- Food Safety
- Worker Health, Safety and Welfare
- Biodiversity and Habitats
- Energy Efficiency
- Waste Management
- Fertilizers and Biostimulants
- Water Management
- Integrated Pest Management (IPM)
- Plant Protection Products

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 GLOBALG.A.P Supply Chain Portal

Search Method

GGN Producer Product

Product

Apple

Country

 Ukraine

GGN	Producer Name	City	Producer Type
405618680111	FARMING ENTERPRISE GADZ'	Trybukhivtsi village,Chortkiv dis...	Producer
4059883684711	LLC UKRAINE	PIDVOLOCHYSKY, TERNOPIL REGI...	Producer
4059883237634	LTD Sadyi Dnepra	Podgorodnoe	Producer
4059883314427	Organiks LLC	Gynka village	Producer
4063061131065	LLC 'Molodizhna agrarna spilka'	NOVOOLEKSIIVKA	Producer
4059883221121	LLC DNIESTER GARDENS	KYIV	Producer
4063651344844	LLC Lvivskiy Sad	village Stiisko, Stryy district, Lvi...	Producer
4056186293091	Greenora Fruit LLC	Vinnitsa	Producer
4059883731026	Ukrainskiy Sad LLC	YURIVKA VILLAGE	Producer

Domestic apple producers certified in accordance with IFA requirements (9)

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GFSI-recognised certification schemes for Category CII



GFSI
Global Food
Safety Initiative

<http://www.mygfsi.com/>

BRCS

БРЦГС

FSSC 22000

FSSC 22000



IFS
International
Featured
Standards

Рекомендовані міжнародні стандарти IFS

jfsm

Асоціація управління безпекою харчових продуктів Японії

primus GFS™

Стандарт PrimusGFS

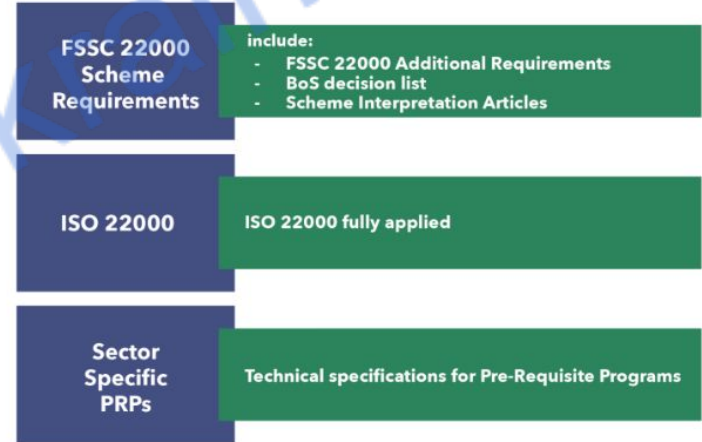


SQF

Components of FSSC 22000

To achieve such complete coverage, FSSC 22000 certification consists of three main components:

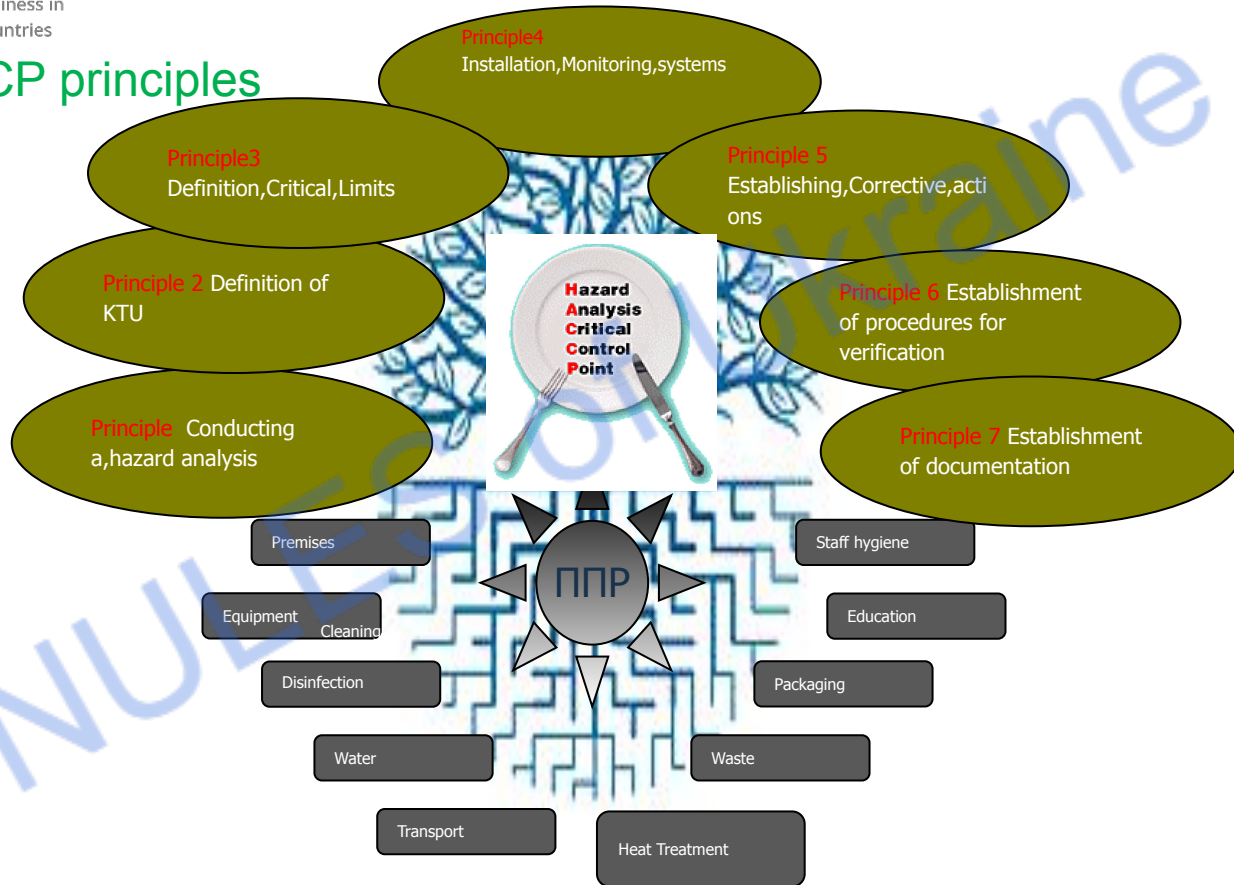
- **ISO 22000**, which provides a consistent risk management structure at every step of your supply chain.
- A pre-requisite program, which is divided into four different categories to meet the specific needs of your industry sector: food processing, catering, agriculture, and food packaging production.
- **ISO 9001** quality module - these are management criteria that help ensure consistent quality of your product.



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GMP and HACCP principles



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Mandatory requirement!!!

5



Public Registry

🔍 Name or COID

Search →

Scheme

- FSSC 22000
- FSSC 24000

Certificate Status

- Призупинено
- Дійсний

Country

- Ukraine

Found 48 certified organizations

Export all →

About Us 📄

Organization	Location	Scheme	Certificate Status
LLC "ASKANIA FROZEN FOODS" COID: UKR-1-9230-587235	Kyiv Ukraine	FSSC 22000	Valid until 21-02- 2027
PJSC "LVIV COLD STORAGE PLANT" ... COID: UKR-1-6756-156363	Lviv Ukraine	FSSC 22000	Valid until 21-02- 2027
LLC "Prodholod-M" COID: UKR-1-2544-983016	Novovolynsk Ukraine	FSSC 22000	Valid until 21-02- 2027
LLC "Agrana Fruit Ukraine" COID: UKR-1-6756-408870	Vinnytsia Ukraine	FSSC 22000	Valid until 21-02- 2027
LLC "AGROFRUIT"	Волинська область	FSSC	Valid until 21-02-

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THANK YOU FOR YOUR ATTENTION!

YULIA SLYVA

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