Food / OQ-02

Fruit and vegetable exports: lot traceability and quality evidence

To qualify for the green lane, an exporter must be able to provide evidence for every lot.

A single lot can affect the reputation of the entire exporter.

In 2026, the value of fruit and vegetable exports fell by 10.9%. Since the start of the year, Rosselkhoznadzor has detected 132 quarantine objects and imposed restrictions on exporters. Uzbekistan has introduced a risk management system that assigns exporters to green, yellow and red lanes.

Conceptual architecture. No operating results are shown.

01 Field	Farmer · Treatment · Harvest
02 Sorting	Lot · Grade · Packaging
03 Quality	Sample · Laboratory · Result
04 Shipment	Temperature · Document · Customer

At a glance

–10.9% — Change in fruit and vegetable export value, January–September 2026. [1]

132 — Quarantine objects detected by Rosselkhoznadzor since the start of 2026. [2]

3 lanes — Green/yellow/red risk categories for exporters. [3]

November 2026

01 Evidence and context

Who it is for

Exporter owner	Market and licences.
Agronomist	Field and treatments.
Quality	Laboratory.
Logistics	Shipment.

Facts and global practice

National Statistics Committee (kun.uz)

January–September 2026: exports of 1.56 million t worth $1.30 billion; value down 10.9%, volume down 3%. [1]

interfax.com

Rosselkhoznadzor: 132 quarantine objects detected since the start of 2026; restrictions on 5 exporters from 23 July. [2]

uzdaily.uz

Green/yellow/red lanes for exporters; mandatory laboratory testing for high-risk products (grapes, tomatoes, pomegranates, lemons, etc.). [3]

Green lane: simplified quarantine inspection and faster clearance.

02 Where the losses occur

Field data

Treatment and spraying logs are kept on paper.

Lots get mixed

Produce from several farmers ends up in a single lot.

Laboratory

Test results are not linked to the lot.

Cold chain

No temperature evidence for loading and transit.

How the loss is calculated

Rejected shipment	shipment value + logistics costs
Restriction	months suspended × export volume per month
Red lane	days of delay × storage cost per day
Price	downgrading to a lower grade

Illustrative calculations; establish the baseline, units and rates during the site assessment. Avoid counting the same loss twice.

03 Solution architecture

From field to shipment: one lot trace

Farmer, field treatments, sorting, laboratory result, cold-room temperature and shipment on a single lot card.

01 Field

Farmer · Treatment · Harvest

02 Sorting

Lot · Grade · Packaging

03 Quality

Sample · Laboratory · Result

04 Shipment

Temperature · Document · Customer

Modules

Lot card and QR code	At sorting	Engineering capability
Linking laboratory results	Per lot	Engineering capability
Cold-room and trailer temperature	Sensor	Engineering capability
Warehouse (WMS)	Packaging and location	Commercially available

Each module has a readiness status. Third-party results are not a forecast for your site.

04 Implementation and measurement

01 Audit

One product chain.

Output: gaps.

02 Pilot

1 season.

Output: lot traceability.

03 Scale-up

All products.

Output: full coverage.

04 Subscription

Every season.

Output: rejection trend.

What is measured

Rejected lots	Count	System
Lot trace completeness	%	System
Temperature deviation	Hours	Sensor
Clearance time	Hours	System

What is needed to start

- Exporter
- Farmer list
- Laboratory
- Sorting process

05 Readiness checklist and next step

01 Is the farmer known for every lot?	Yes / No / Unknown
02 Is the treatment log kept in the system?	Yes / No / Unknown
03 Is the laboratory result linked to the lot?	Yes / No / Unknown
04 Are lots kept separate without mixing?	Yes / No / Unknown
05 Is cold-room temperature recorded?	Yes / No / Unknown
06 Is trailer temperature recorded?	Yes / No / Unknown
07 Do you provide customers with a lot report?	Yes / No / Unknown
08 Are rejection reasons analysed?	Yes / No / Unknown
09 Are the green lane requirements known?	Yes / No / Unknown
10 Is there a designated responsible person?	Yes / No / Unknown

What we do not promise

• A fixed timeline and price without an audit

• Certificate or inspection outcome

• Guaranteed export approval

• Unmeasured results

• Phytosanitary certificate

Export lot audit

At one exporter, we review lot traceability from field to shipment.

• Map of break points

• Pilot plan

• Implementation fee and monthly subscription

Scope, price and schedule are agreed after reviewing the site and its data.

06 Sources and scope

[1] National Statistics Committee: fruit and vegetable exports in January–September 2026 were $1.30 billion (–10.9%), 1.56 million t (–3%). kun.uz, 29.10.2026.

kun.uz

[2] Rosselkhoznadzor: 132 quarantine objects detected since the start of 2026; restrictions on 5 exporters from 23.07.2026. interfax.com, 21.07.2026.

interfax.com

[3] Risk management system for fruit and vegetable exports (green/yellow/red lanes); mandatory laboratory testing for high-risk products. uzdaily.uz, 10.03.2026.

uzdaily.uz

Prepared from the cited sources. Vendor statements and reported sector figures are attributed, not independently verified here. No performance, certification or regulatory outcome is guaranteed. Check the current official rules before making decisions.

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