

# ePack/FCM – Farm Care Management

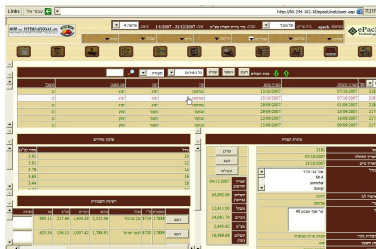
## A Management Solution For Fresh Produce Packinghouses and Growers

### The Framework

The ePack Technologies Management Framework for the agriculture business sector introduces a flexible, state of the art framework, into which specific software modules are plugged in providing a rich set of management, monitoring and control tools for the agriculture fresh produce enterprise.

### Abstract

The ePack/FCM Field Management System provides a set of tools and functions enabling packinghouse and the fresh produce grower total control of the field processes. These processes are defined by the European Standard committee for fresh fruits and vegetables. The Field Management System conforms to quality requirements presented by all major international bodies.



### GlobalGAP Control Points

The fresh produce grower is required to follow a set of quality rules and guidelines categorized into the Control Points Checklist bullets below:

- Traceability
- Record Keeping
- Varieties & Rootstocks
- Site History & Management
- Soil & Substrate Management
- Fertilizer Use
- Irrigation
- Crop Protection
- Harvesting
- Post Harvesting Treatment
- Waste & Pollution
- Worker Health & Safety
- Environmental Issues
- Complaint Form
- Internal Audits

### Grower Services

- Site Management
- Ongoing Tasks
- Hardware Management
- Inventory Management
- Harvest Management
- Farm Accounting
- Manpower Management
- Quality Assurance

### Packinghouse Module

The Packinghouse module supports execution of all growers' tasks as shown above. In addition to that, the module provides cross

grower information retrieval and a comprehensive monitoring and control infrastructure.

### Packinghouse Integration

The Field Management System is integrated into the Packinghouse Management Framework, thus providing high-quality tracing functionality, supporting tracing of a shipped unit back to its originating field or orchard, outlining all treatments (chemical and others), the site undertaken.



### What can ePack/FCM Do?

- Fresh produce growing surveillance
- Accurate produce backward and forward tracing
- Provides field productivity statistical data based on packing results
- Alert Events for improper GlobalGAP Conducts
- Full Recording of chemical treatments
- Environmental Impacts on crop
- All Field Operations execution

# ePack/FCM – Farm Care Management

## A Management Solution For Fresh Produce Packinghouses and Growers

Supports GlobalGAP Auditing

### Reports Subsystem

The reports subsystem consists of the following modules:

An on-line query module is built into the system providing users with up-to-date information on the system processes and data.

Data is retrieved and displayed using a rich set of sort keys and filters.

The Reports module provides a rich repertoire of user reports, summary reports and management reports using text and graphical charts.

The end user can define his or hers private set of reports and save the set for future re-use.

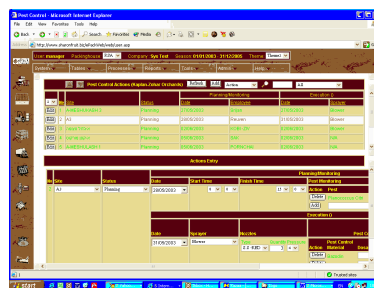
A report generator is also available extending the user options in defining new sets of customized reports. For example, the user can design custom shipping list documents depending on the specific customer need and requirements. Also, the user may determine the exact format of accounting documents (invoices etc.)

### Infrastructure

The Tables module manages all reference tables in the database. This includes fruits / varieties / size information, retailers and suppliers, inventory and manufacturing master data and a

large number of metadata information.

User access to the information system database is performed by, actually surfing the intranet/internet defined in the core system. This feature makes the systems flexible and scalable in a way that various configurations can be created using a number of servers depending on the customer data volumes and anticipated growth.



The Event Log module records every event generated in the systems providing comprehensive tracking capabilities. Each transaction occurring in the systems is traceable, so that the systems manager knows exactly all details of a specific transaction including date/time, owner and more information associated with the specific transaction.

### Technology

The ePack package was developed using a state of the art and leading edge web-based software. The software resides on a web server and is being accessed by its users utilizing a standard browser.

Using this type of software was a design objective for the ePack developers. This makes the systems flexible and scalable in the sense it can be implemented on a hardware configuration which fits the customer needs with no configuration limitations.

The ePack package runs on an advanced database management systems the MS SQL-Server from Microsoft Corporation.

The database interface is based on ODBC which enables it to connect to any ODBC compliant database on the market (Oracle, My/SQL, Informix etc.)

### User Interface

The User Interface is an intuitive and friendly graphical shell designed in a standard Microsoft Windows user interface design rules.

The UI learning curve is relatively short improving the user's efficiency and productivity.

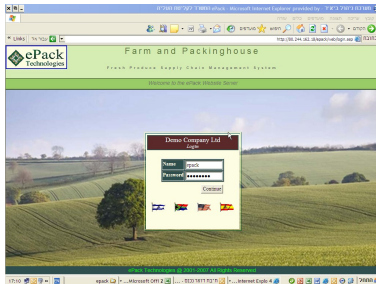
Designed in an object oriented (OO) approach, the graphical interface presented is intuitive, consistent and simple.

A major design goal is to enable both mouse and keyboard data entry procedures. By this, users that are not used to modern pointing devices may use the keyboard with a comparable efficiency.

# ePack/FCM – Farm Care Management

A Management Solution For Fresh Produce Packinghouses and Growers

---



## Multilingual Interface

The system is designed to support a multilingual user interface. Thus, a user can choose his or hers language operating environment. A company with business contact overseas can utilize a bilingual operations model where data is created using a certain language and viewed elsewhere in the world using a different language.

## Benefits

Internet-enabled solution – accessible from anywhere in the world

Service availability on a 27/7 basis

Relevant authorities and other authorized users enjoy accurate up-to-date information and rapid alerts

Field-based data entry

Guarantees compliance with current and forthcoming EU legislation

Reduction in paper-based transactions. All transaction are saved electronically

Handling of multi-varieties of fresh fruits, vegetables and flowers

Multilingual with personal user interface allowing for the use of more than one language per implementation

## Customer Support

Customer support is available 24 hours a-day via our website.

Registered customers may access the site anytime to download software, bug fixes and patches.

## Contact Us

Email us to:

[info@e-pack.co.il](mailto:info@e-pack.co.il)

Or visit our website at:

[www.e-pack.co.il](http://www.e-pack.co.il)