

Information Systems

for business

- Created ISAQuest mobile forms application
 - Supplied to UK's leading food, farming & retail inspection company
 - 200 inspectors
 - 15,000 farms per year
 - Rolling out to retail business – c45,000 inspections p.a.

ISAQuest – mobile forms

- 3 components
 - Q-builder to build forms
 - Server based (on-site or hosted by ISA)
 - Designed for use by non-technical users
 - Web based scheduling and analysis
 - Allocates forms based on data from other systems
 - Designed for ease of integration with internal databases
 - Client application targeted at PDA or Tablet
 - Tablets more suited to complex forms
 - PDA more suited to simpler forms due to screen real estate

Screenshot – tablet pc (complex form)

The screenshot displays the ISAQuest software interface on a tablet PC. The window title is "ISAQuest - Ref1234 - Microsoft". The interface is divided into several sections:

- Sections:** A tree view on the left lists various sections, including "4.3 Pesticide Mixing & Application", "4.4 Environmental Issues", "6 Plant Nutrition & Soil Chemistry", "6.2 Soil Analysis & Sampling", "6.4 Organic Matter, Soil Structure & Fertility", "9 Crop Harvest, Transport & Storage", "9.8 Pest Control", "11 Waste Management", "12 Training", "17 Traceability, Compliance & Record Keeping", "19 Livestock Movements", "20 Bio-security", "21 Animal Welfare", "22 Young Livestock", "23 Livestock Housing & Welfare", "24 Animal Feed & Feed Additives", and "25 Veterinary Visits, Treatments & Medication".
- Checklist Filter:** A section with radio buttons for "All", "Unanswered", "Non-conformances", "Non-conformances at last visit", and "Marked". A "Reapply Filter" button is also present.
- 21 Animal Welfare:** The main content area displays a list of questions related to animal welfare. Each question is followed by a "Standard" section with radio buttons for "Conformance", "Major", "Minor", and "N/A". A "Marked" checkbox is also present. A text input field for comments is provided, with a placeholder text "< no comments in previous assessment >". Buttons for "Guidance Notes...", "Comments...", and "Use Answer" are located to the right of each question.

At the bottom of the interface, there are buttons for "Save" and "Preview Report". The status bar at the very bottom shows "Ref No: Ref1234", "Business Name: Microsoft", and "Last Sync: 19/07/2007 09:02:49".

Screenshot – tablet pc (Highlighted)

CMi Cronos DataQuest - 1234 - Home Farm

File Client Linked Farms Tools Back Synchronise Help

Sections

- 4 10.1 Product Washi
- 8 10.2 Pack House H
- 3 10.3 Pack House P
- 5 11 Waste Managemen
- 9 12 Training
- 3 13 Social Issues
- 14 Health & Safety
- 11 14.1 Equipment & P
- 3 14.2 Visitors & Sub
- 4 15 Product Risk Asses
- 3 16 Environmental Issu
- 6 17 Traceability, Comp
- 1 18 Internal Audit Proce
- 28 Crop Specific Ques
- 4 28.47 Potato
- 1 Other Comments

Mark Whole Section as N/A

Checklist Filter

- All Reapply Filter
- Unanswered
- Non-conformances
- Non-conformances at last visit
- Marked

Apply filter to all sections

Save Preview Report

28.47 Potato

APS 47.1 Can you produce evidence to show that you take precautions to ensure that potatoes you handle or store are not contaminated by, damaged or exposed to anything that could affect their food quality?

1

Yes No N/A

Marked

< no comments in previous assessment >

Guidance Notes... Comments... Use Answer

APS 47.2 Can you demonstrate that your potato blight spray programmes use the minimum number of sprays necessary for good blight control?

3

Yes No N/A

Marked

Record not available

< no comments in previous assessment >

Guidance Notes... Comments... Use Answer

APS 47.3 Is all potato waste and plastic covers recovered and disposed of, or recycled, in a responsible way?

1

Yes No N/A

Marked

< no comments in previous assessment >

Guidance Notes... Comments... Use Answer

APS 47.4 Where loose potatoes are transported from the field to store, is the haulage equipment cleaned before use?

3

Yes No N/A

Marked

< no comments in previous assessment >

Guidance Notes... Comments... Use Answer

APS Where potatoes are stored loose, are the stores cleaned before use?

Guidance

CMi No: 1234 Business Name: Home Farm Last Sync: 24/01/2008 16:31:12

Screenshot – tablet pc (Multiple Checklists APS and LEAF at same time)

The screenshot displays the CMI Cronos DataQuest software interface for a tablet PC. The window title is "CMI Cronos DataQuest - 1234 - Home Farm". The interface is divided into several sections:

- Sections:** A tree view on the left lists various sections, including "1 Reference Information", "2 Plant Protection Products", "3 Fertiliser Storage", "4 Plant Protection", "4.1 Crop Pest Monitoring", "4.2 Pesticide Application", "4.3 Pesticide Mixing", "4.4 Environmental Issues", "4.5 Product Harvest", "4.6 Pesticide Residues", and "4.7 Various".
- Checklist Filter:** A section on the left allows filtering by "All", "Unanswered", "Non-conformances", "Non-conformances at last visit", and "Marked".
- Filter By Scheme:** A section on the left allows filtering by "APS" and "LEAF".
- 5.1 Sources & Quality:** The main content area displays a list of checklist items, each with a color-coded header (red for LEAF, green for APS) and a question. The items are:
 - APS, LEAF:** "Have you completed a water management plan for the whole farm, including an action plan?" (Red header). Answer: "No".
 - LEAF:** "Do you review your water management plan annually?" (Purple header). Answer: "Yes".
 - APS:** "Has an annual risk assessment, which considers potential microbial, chemical and physical contamination been carried out on the sources of water for irrigation?" (Green header). Answer: "Yes".
 - APS:** "Is irrigation water analysed annually by a laboratory accredited to ISO17025 for microbial, chemical and mineral pollutants?" (Green header). Answer: "Yes".
 - APS:** "Are irrigation water quality records maintained and reviewed regularly?" (Green header). Answer: "Yes".

At the bottom of the interface, there are buttons for "Save" and "Preview Report", and a status bar showing "CMI No: 1234", "Business Name: Home Farm", and "Last Sync: 24/01/2008 16:31:12".

Screenshots PDA



Screenshots PDA



Screenshots PDA



Screenshots PDA



Screenshots – Q-builder

The screenshot displays the Q-builder application window. The main area features a table with the following data:

Question Id	Reference	FixedId	Section	Question Text	QuestionTypeName	AnswerTypeNe
Locate?			Property Info	Can you locate the address?	List	Yes/No
Prop Type			Property Info	What type is the property?	List	Property type
Meter access			Property Info	Were you able to gain access to the meter?	List	Yes/No
Meter serial			Property Info	Confirm meter serial number	Text	
Paid?			Payment Info	What payment was obtained?	List	Payment obtain
Pay type			Payment Info	Please select payment type	List	Payment type
Debtor sign			Payment Info	Debtor sign here to confirm details	Signature	
Payment Date			Property Info	If full payment not made, when will remainder be settled by?	Date	
Meter Condition			Property Info	Please enter condition of meter now	Text	Yes/No

Below the table is a configuration panel with the following fields:

- Question ID:
- Reference:
- Section:
- Seq No:
- Question Text:
- Explanation:
- Question type:
- Fixed Id:
- Display As:
- Answer List:
- Importance:
- Repeating Group:
- Answer Required?
- Comment Required?
- Custom Properties:

Code	Value

A "Copy Selection" button is located at the bottom left of the interface.

Screenshots – Q-builder

The screenshot displays the Q-builder application window with the following components:

- Menu Bar:** File, Tools, SQL
- Tabbed Interface:** Questionnaire, Questions, Sections, Subjects, Repeating Groups, Answer Types (selected), Importance, Custom Properties, Conditions, Test
- Table 1 (Answer Types):**

Answer Type Id	Name
YN	Yes/No
Paid?	Payment obtained
Pay type	Payment type
property	Property type
*	
- Table 2 (Items):**

Item Id	Display Text	Non-Conforman	Comment Reqd	Section Option?	Sequence	Value	Score	AnswerTypeItemGu
Y	Yes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	0	0	0	de1159bd-95df-4...
N	No	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	0		0	e423d389-33f8-4...
*		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
- Custom Properties Panels:** Two panels on the right, each with a 'Code' column, a 'Value' column, and '+' and '-' buttons.
- Buttons:** 'Copy Selection' button at the bottom left.