

CHIMERA VISION

AGRICULTURE / FIELD INTELLIGENCE

Intelligence that focuses the field.

Observe. Focus. Verify.



Concept visual | Illustrative field workflow

A VISION FOR ADAPTIVE AGRICULTURAL INSPECTION

Read the field. Focus the next observation.

Connect aerial signals, local intelligence and operator-approved collection. Explore how an inspection could move from a broad field view to the evidence needed for the grower's next decision.

FIELD PATTERNS / CROP DETAIL / IRRIGATION / CHANGE

Cover: AI-generated concept visual. An illustrative, operator-supervised inspection workflow.

PURPOSEFUL COLLECTION

The useful question is: where should we look next?

A field can change unevenly. The opportunity is to connect broad observations to targeted review, then keep what was found attached to the inspection question.

01

ESTABLISHMENT

Investigate uneven starts

A pattern of weak or uneven establishment can direct attention to a particular row or area. Request clearer visible detail and a field check, then compare those observations with the grower's planting record.

02

IRRIGATION

Follow a spatial pattern

A repeated concern along a row may justify closer review of the plants and irrigation system. Use the mapped pattern to guide investigation; the grower assesses the cause and response.

03

VISIBLE CROP CONCERNS

Bring detail to the signal

Vegetation-index products can help prioritize review, while RGB detail and ground photographs show what is visible. A complementary view can help distinguish an ambiguous image from an observation worth investigating.

04

CHANGE OVER TIME

Keep the record connected

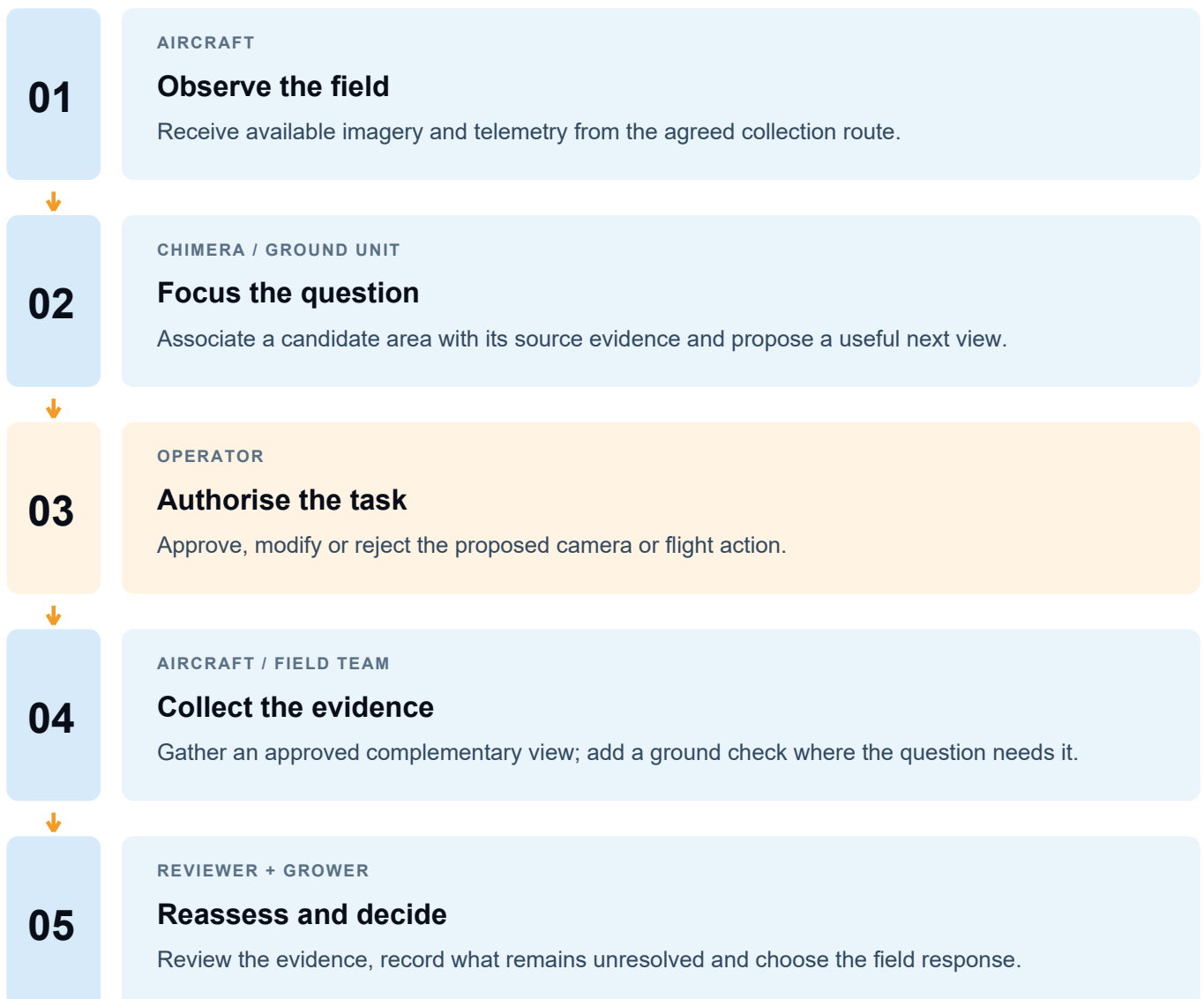
Relate a new concern to dated imagery, previous observations and grower actions. The question is what evidence would make the next comparison useful, with like-for-like processing where required.

The aim: gather evidence that helps the reviewer answer the original inspection question.

OBSERVE. FOCUS. VERIFY.

A field signal. A purposeful follow-up.

A future-facing mission concept: local interpretation helps propose the next collection action while the operator remains in control.

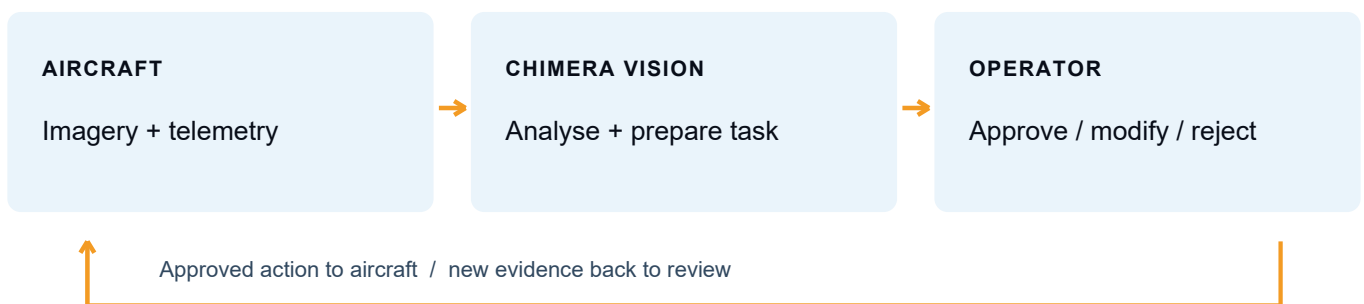


Proposed workflow. Collection depends on supported aircraft and payload interfaces, useful capture conditions and the operator-approved plan.

LOCAL INTELLIGENCE. CONNECTED EVIDENCE.

A local loop between observation and mission control.

The aircraft collects data. A ground unit beside the operator brings available evidence into analysis and helps prepare a purposeful follow-up.



RGB and field review products

Visible imagery and appropriate vegetation-index products can direct attention to patterns worth checking. Their usefulness depends on resolution, capture conditions, calibration and the analysis configured for the question.

Location and time context

Available positioning, capture dates, row or field references and earlier records help connect observations. Ground photographs need their own location evidence; matching a date does not prove exact plant-to-map alignment.

A loop beside the field crew

Local ground processing brings evidence into the review workflow without cloud processing for that analysis. During-flight follow-up depends on accessible data, the supported aircraft interface and the operator's approved plan.

Local processing avoids cloud processing for this analysis workflow. It still depends on access to useful aircraft data. Link-loss and abort behaviour must be established with the flight system.

ILLUSTRATIVE FIELD TASK

An uneven row becomes an inspection question.

A candidate observation should carry a clear reason for collecting more evidence. The task below illustrates the intended record, not an additional Strawberry 1 event.

Observation	A field review shows an uneven pattern along a row.
Question	What visible detail or ground observation would help explain the pattern?
Requested evidence	An approved complementary RGB view and a dated field check.
Operator decision	Approve, modify or reject the proposed collection action.
Review outcome	A supported observation, the grower's response or an unresolved question.

THE EVIDENCE PACKAGE

WHERE TO LOOK

A candidate linked to the field, source image and available location context.

WHAT WAS FOUND

Follow-up images and field notes retained alongside the original concern.

WHAT HAPPENED NEXT

The reviewer assessment and grower decision kept with the evidence.

What makes a useful demonstration?

Judge the workflow by whether it identifies useful inspection priorities, produces relevant follow-up evidence and gives the grower a record that supports the next decision.

DEFINE THE EVIDENCE TOGETHER

Bring one field. Define the next decision.

Start with a field question, the evidence the grower needs and an agreed way to judge whether the inspection was useful.

DISCUSS YOUR INSPECTION WORKFLOW

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POSSIBILITY AND REAL EVIDENCE

This whitepaper presents adaptive inspection possibilities. The existing agricultural field-review workflow is documented separately in Strawberry 1. New aircraft integrations and during-flight collection require validation for the selected workflow.

The real field record: Strawberry 1

The real Strawberry 1 case at Michell Farms documents repeated aerial reviews, ground evidence and grower decisions. A supplier refund is grower-reported; its amount is private and the correspondence was not reviewed. The case does not establish autonomous in-flight revisits.

[Explore the Strawberry 1 case study](#)

SOURCE ACCESS

From Field Signals to Field Action - Strawberry 1 case study, April-June 2026.

Evidence and calculation appendix - 7 October 2026; provenance and evidence limits.

Cover: AI-generated concept illustration. Proposed applications are not evidence of a recorded sector deployment. Technical references provide context, not endorsement or Chimera performance results.

Chimera Innovation Inc., Victoria, BC | 8 October 2026 | Revision 1.0