

Professional documentation package

Pedigree Screen Reference

Screen-by-screen documentation for the routed views, shell tabs, embedded admin modules, and workflow pages currently implemented in the app.

Roles

owner, admin, manager, worker

Stack

Flutter, Firebase, Riverpod, GoRouter

Hosting

Firebase Hosting and Cloud Functions

Generated for the Pedigree workspace

How to use this manual

This catalog is meant for QA, demos, onboarding, and release documentation.

The list below covers the major surfaces a user can directly navigate to or work inside. It includes top-level routes, farmer and admin shell destinations, and the full-screen or form-style workflows that capture records.

- Routed pages are listed with their route or primary entry path.
- Embedded admin modules reuse the same feature widgets as the standalone routes where applicable.
- Confirmation popups are summarized inside the parent screen descriptions instead of being documented as separate screens.
- The current implementation documents 65 distinct screen surfaces.

Coverage map

Each section groups related screens so readers can move through the app in the same order users do.

Section	Coverage
Entry, Auth, and Setup	6 screens
Farmer Workspace	8 screens
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Entry, Auth, and Setup

The opening sequence that gets a user from first launch into the correct farm workspace.

Auth Gate

- Surface** Route controller at /auth
- Entry** App launch and any unauthenticated redirect lands here first.
- Access** Everyone before authentication

Reads the onboarding preference, then switches between the onboarding hero and the login/register card without exposing the rest of the app.

- Shows a loading state while local onboarding preference is read.
- Decides whether the user should see onboarding or go straight to sign in.
- Redirects authenticated users to setup or their role home after auth is resolved.



Onboarding Screen

Surface Full-screen hero introduction

Entry Shown by the auth gate before login on a fresh install.

Access First-time or forced-onboarding sessions

Introduces the value of Pedigree with a branded farm hero, short benefit bullets, and clear calls to start or skip into account access.

- Explains dashboard visibility, instant capture, and role-based control.
- Offers both Get Started and I already have an account actions.
- Sets the tone for the agricultural visual language used across the product.

Login and Registration Screen

Surface Primary auth card and split-layout auth page

Entry /auth after onboarding completes or is skipped

Access Everyone before authentication

Handles sign in and registration in one place, including profile bootstrap, invite claiming, email hinting, and password recovery.

- Switches between register and sign-in modes on the same screen.
- Collects full name, email, phone, and password for registration.
- Claims pending invites after authentication so members land in the correct farm.

Forgot Password Screen

Surface Workflow page opened from login

Entry Login screen > Forgot password

Access Unauthenticated users with an email address

Dispatches the integrated password reset email and explains that the link can continue inside the app or fall back to the web.

- Prefills the email from the login screen when available.
- Shows inline success or error status after the reset request.
- Uses the same workflow shell as the rest of the app instead of a cramped popup.

Password Reset Screen

Surface Deep-link workflow page

Entry Password reset email link handled inside the app

Access Users with a valid reset code

Validates the reset code, collects the new password, and completes the reset without sending the user back through a browser-only flow.

- Verifies the code before allowing password entry.
- Shows the resolved account email when available.
- Ends with a direct path back to sign in.

Farm Setup Screen

Surface Route at /setup and /new-farm

Entry Shown after authentication when no active membership exists, or from shell farm switchers when creating another farm.

Access Authenticated users creating a first or additional farm

Collects the farm baseline used to create the farm document and owner membership, including type, size, employees, and initial counts.

- Supports both first-farm setup and create-new-farm flows.
- Lets the user choose integrated, animal, or plant farm type.
- Routes to the admin or farmer shell after membership becomes active.

Farmer Workspace

The operational shell used for day-to-day work, especially for workers and field teams.

Farmer Shell

Surface Primary role shell at /farmer

Entry Default home for worker users and a secondary view for admin-capable roles

Access All members with farmer-shell access

Wraps the farmer experience with the branded top bar, connectivity banner, bottom navigation, quick actions, and farm switching controls.

- Adapts the visible tabs based on farm type so plant-only or animal-only farms stay focused.
- Exposes quick actions for capture, reports, tools, and admin switching.
- Provides direct access to farm profile, sync center, alerts, notifications, recycle bin, settings, and sign out.

Farmer Home Page

Surface Home tab inside the farmer shell

Entry /farmer > Home

Access All farmer-shell users

Summarizes the current farm or worker day with hero context, key metrics, getting-started actions, and a short task snapshot.

- Changes emphasis based on role, for example My Open Tasks for workers.
- Surfaces quick starts when the farm is missing real tasks, animals, crops, or inventory.
- Acts as the fastest launcher into tasks, animal intake, crop setup, inventory capture, and oversight routes.

Tasks Screen

Surface Operational task board tab reused in multiple shells

Entry /farmer > Tasks tab and Admin > Manage Tasks + Employees

Access All members, with edit actions controlled by role

Displays task workload, filters, due pressure, evidence review, and task-level actions such as mark done, reopen, or delete.

- Defaults workers into the My Tasks view while management can see the full board.
- Shows summaries for open, overdue, due today, and assignment status.
- Supports task creation, completion evidence, approval, rejection, and quick status updates.

Animals Screen

Surface Animal registry tab reused in multiple shells

Entry /farmer > Animals tab and Admin > Manage Animals

Access Roles that can view animal records

Lists individual animal records with summary metrics, poultry batch filtering, create actions, and drill-down into profile, edit, and event logging workflows.

- Summarizes active animals, watch items, and poultry batches.
- Lets management add single records or bulk-create a herd or flock.
- Connects directly to animal profile, edit, log event, delete, and poultry batch pages.

Crops Screen

Surface Crop registry tab reused in multiple shells

Entry /farmer > Crops tab and Admin > Manage Crops + Fields

Access Roles that can view crop records

Tracks crop profiles, planting and harvest context, and field activity logging from one list-based workspace.

- Shows a clear empty state when no crop profiles exist.
- Offers add, edit, activity log, and delete actions where permissions allow.
- Keeps planting, expected harvest, seed source, and yield data close to the record list.

Inventory Screen

Surface Stock management tab reused in multiple shells
Entry /farmer > Inventory tab and Admin > Manage Inventory
Access Roles that can view inventory records

Keeps item quantities, reorder levels, allocations, and stock pressure visible so teams can act before supplies run out.

- Calculates low-stock items and surfaces them in the screen header.
- Supports add, edit, adjust quantity, allocate resource, and delete actions.
- Works as both a daily stock list for workers and a management board for supervisors.

Poultry Batch Screen

Surface Standalone route at /poultry-batches
Entry Farmer quick actions, animals header, or direct route access
Access Roles with poultry batch permission

Groups birds into batches or flocks and tracks day-by-day operating records such as mortality, sales, feed, water, weight, and eggs.

- Shows batch summaries and a log table for each recorded day.
- Supports new batch creation and structured daily log capture.
- Separates rearing and layer batches so the screen can expose egg-specific metrics only when relevant.

Farm Tools Screen

Surface Tabbed utility route at /tools
Entry Farmer quick actions or direct route access
Access Roles with tools access

Provides calculation tools that help field teams make quick decisions without leaving the app.

- Includes gestation, dosage, and area tabs in one small utility workspace.
- Uses direct input and date pickers instead of reference charts alone.
- Designed as a helper screen rather than a record-storage module.

Animal Workflow Pages

Dedicated animal pages that open from the animals workspace for focused record work.

Animal Workflow Shell

Surface Reusable full-screen workflow layout
Entry Wraps create, profile, log, bulk add, and edit animal pages

Access Roles that can open animal workflows

Provides a consistent hero header, close action, scrollable body, and footer action bar for all animal-specific pages.

- Keeps animal flows visually consistent with the rest of the app.
- Allows complex animal forms without crowding the main list screen.
- Separates content and footer actions so save and cancel stay visible.

Animal Profile Page

Surface Read and action page for a single animal

Entry Animals screen > open profile

Access Anyone who can read animal records

Shows one animal as the source of truth for identity, health, breeding, weight, production, custom fields, and event history.

- Refreshes against live animal and animal-log data so the profile stays current.
- Displays tags for health, production type, age, weight, and recent event timing.
- Offers edit and log-event actions without returning to the list.

Create Animal Page

Surface Full-screen intake workflow

Entry Animals screen > Add Animal or farmer quick action

Access Roles that can edit animal records

Captures a new animal quickly, starting with field-friendly identity data and then expanding into pedigree, production, cost, media, and custom fields.

- Suggests the next tag based on existing records.
- Supports gallery or camera image capture for the animal photo.
- Separates fast intake from advanced detail capture so field staff can save quickly.

Bulk Create Animals Page

Surface Mass intake workflow

Entry Animals screen > Bulk Add Animals

Access Roles that can edit animal records

Creates many animal records in one pass using either generated sequential tags or pasted rows from a spreadsheet-like source.

- Supports quick mode for herd or flock generation.
- Lets staff apply shared defaults like species, health, group, batch, and production type.
- Reduces manual repetition when setting up a new herd or poultry batch.

Log Animal Event Page

Surface Focused animal activity workflow
Entry Animal profile or animal card > Log Event
Access Roles that can edit animal records

Attaches health, breeding, feeding, production, and custom event data to a single animal record so the operational history stays chronological.

- Changes visible fields based on the selected event type.
- Supports breeding dates, expected calving dates, feed details, and production amounts.
- Stores event-specific custom fields when the farm has configured them.

Edit Animal Page

Surface Full-screen animal maintenance workflow
Entry Animal profile or animal card > Edit
Access Roles that can edit animal records

Updates the identity, status, dates, media, and operational details of an existing animal record.

- Loads the current animal values into editable text, dropdown, and date fields.
- Supports replacing or adding animal media.
- Keeps record status and health status aligned with real farm conditions.

Admin Workspace and Embedded Modules

The management shell and the operational modules that owners, admins, and managers use for control and oversight.

Admin Shell

Surface Primary management shell at /admin
Entry Default home for admin-capable roles
Access Owner, admin, and manager roles with module permissions

Frames the management experience with the admin top bar, connectivity banner, module sidebar or chip bar, and embedded module canvas.

- Filters visible modules based on membership permissions.
- Supports quick actions, farmer-mode switching, farm switching, sync, alerts, notifications, settings, and sign out.
- Embeds many existing feature screens directly so the admin user does not lose context while switching modules.

Admin Dashboard

Surface Default module inside the admin shell

Entry /admin > Dashboard

Access Admin-shell users

Summarizes farm readiness, current status, launch shortcuts, and attention signals before the user drops into a specific module.

- Uses hero metrics, launch tiles, and attention rows instead of a plain menu.
- Acts as the fastest overview of operations, management, and platform controls.
- Provides a central starting point for managers during daily review.

Manage Tasks + Employees

Surface Embedded task board module

Entry /admin > Tasks and Team

Access Admin-shell users with task access

Reuses the task workspace inside the admin shell so management can assign, review, and audit farm work without leaving the admin canvas.

- Shares the same task cards, filters, and evidence handling used in the farmer shell.
- Emphasizes assignment and oversight for the whole team.
- Pairs task operations with the larger admin navigation model.

Manage Animals

Surface Embedded animal registry module

Entry /admin > Animals

Access Admin-shell users with animal access

Brings the full animal workspace into the admin shell for management-led intake, review, and lifecycle updates.

- Uses the same animal summary, list, and workflow pages as the farmer-side animals tab.
- Keeps livestock control available beside reports, settings, and compliance.
- Supports the poultry-batch workflow from the same module family.

Species Catalog

Surface Admin reference module

Entry /admin > Species

Access Roles that can manage members or setup data

Maintains the default and custom species options used by animal create and edit workflows.

- Displays built-in species plus farm-specific additions.
- Lets the team add custom species labels for local operations.
- Feeds species choices directly back into animal forms.

Manage Crops + Fields

Surface Embedded crop registry module

Entry /admin > Crops and Fields

Access Admin-shell users with crop access

Reuses the crop workspace inside the admin shell so managers can review field progress, crop stages, and harvest readiness beside other modules.

- Shares the same list and activity workflows as the farmer crop tab.
- Keeps crop operations close to soil tests, reports, and compliance review.
- Provides one place for planting, field, and yield oversight.

Manage Inventory

Surface Embedded stock control module

Entry /admin > Inventory

Access Admin-shell users with inventory access

Reuses the inventory workspace inside admin so low-stock pressure, allocations, and adjustments stay visible during management review.

- Highlights reorder pressure and stock counts.
- Lets managers create, edit, allocate, and adjust items from the admin canvas.
- Pairs naturally with finance, assets, and reports.

Assets Module

Surface Standalone route and embedded admin module

Entry /assets or /admin > Assets

Access Roles that can access assets

Tracks buildings, fixed infrastructure, vehicles, and similar long-lived assets in one maintained register.

- Shows an asset count and read-only or add-asset call to action.
- Supports create, edit, and delete flows with custom field support.
- Keeps asset records distinct from stock inventory and machinery service records.

Machinery Module

Surface Admin maintenance module

Entry /admin > Machinery

Access Admin-shell users with machinery visibility

Tracks service due dates, operating hours, fuel use, and output for tractors and other equipment.

- Counts assets and overdue service items in the header.
- Supports add, edit, service-log, and delete actions.
- Keeps machine maintenance separate from the broader asset register.

Soil Tests Module

Surface Admin agronomy module

Entry /admin > Soil Tests

Access Admin-shell users with soil-test visibility

Stores chemistry and moisture snapshots for fields so agronomy decisions can be reviewed alongside crop operations.

- Lists field, sample date, pH, moisture, and nutrient values.
- Flags risky pH ranges visually in the list.
- Supports quick add and delete flows for new test results.

Finance Module

Surface Standalone route and embedded admin module

Entry /finance or /admin > Finance

Access Roles that can log financials

Combines ledger entries, business documents, and customer or supplier contacts into a single finance workspace.

- Shows income, expense, and net summary chips at the top.
- Switches between Ledger, Business Documents, and Contacts tabs.
- Launches full-screen editors for entries, contacts, and document composition.

Reports and Exports Module

Surface Standalone route and embedded admin module

Entry /reports or /admin > Reports

Access Roles that can access reports

Filters farm data by module and date range, then prepares CSV or PDF exports with preview rows and summary lines.

- Lets the user choose a module plus start and end dates.
- Shows summary metrics before export.
- Supports clipboard copy, CSV download, PDF export, and inline preview.

Analytics Module

Surface Standalone route and embedded admin module

Entry /analytics or /admin > Analytics

Access Roles with analytics access

Turns live farm data into dashboard views across overview, task, farm, and finance tabs.

- Breaks analytics into Overview, Tasks, Farm, and Finance tabs.
- Summarizes completion rate, urgent items, stock pressure, and net position.
- Keeps historical and grouped views separate from operational editing screens.

Custom Fields Module

Surface Admin configuration module

Entry /admin > Custom Fields

Access Roles that can manage members or setup data

Defines extra form fields and grouped forms for animals, crops, inventory, assets, machinery, tasks, finance, ads, alerts, and compliance.

- Shows modules grouped by custom forms and field counts.
- Supports both whole-form creation and single-field creation.
- Feeds those definitions back into the create and edit experiences used by farmers.

Ads Portal Module

Surface Standalone route and embedded admin module

Entry /ads or /admin > Ads

Access Roles that can manage ads

Manages farm-targeted and global promotional content with status filters and campaign metrics.

- Tracks active, scheduled, and expired ads.
- Summarizes views, clicks, interests, and CTR.
- Supports creation and editing for both farm-members-only and all-subscribers audiences.

User and Roles Module

Surface Admin team-management module

Entry /admin > User and Roles

Access Roles that can manage members

Controls farm membership, pending invites, accepted invites, and per-user role assignment.

- Shows member counts, pending invites, and accepted invite totals.
- Lets the owner or admin invite employees into the farm.
- Handles member updates and invite cleanup from the same panel.

Compliance Module

Surface Standalone route and embedded admin module

Entry /compliance or /admin > Compliance

Access Roles with compliance access

Stores certificates, licenses, permits, registrations, and inspection documents with expiry awareness and optional image evidence.

- Shows document count and add-document action in the hero header.
- Highlights expired and expiring-soon records in the list.
- Tracks queued or failed image uploads so compliance media stays recoverable offline.

Settings Module

Surface Standalone route and embedded admin module

Entry /settings or /admin > Settings

Access Roles with settings access

Collects user profile, notification behavior, advert visibility, currency settings, and selected admin shortcuts in one preferences screen.

- Lets admin-capable users jump directly into Farm Profile.
- Supports silent notifications, sound preview, currency selection, and USD-to-BWP conversion rate.
- Acts as the central preference page for both farmer and admin routes.

Shared Management Screens

Cross-cutting oversight screens opened from top bars, menus, and admin quick actions.

Alerts and Reminders Screen

Surface Standalone route at /alerts

Entry Farmer shell or admin shell top actions

Access Roles with alerts access

Keeps time-based reminders for farm work visible and aligned with the user notification mode.

- Summarizes scheduled alert count and silent-versus-sound mode.
- Supports creating alerts with title, type, timestamp, and notes.
- Lets users clean up reminders directly from the list.

Farm Profile Screen

Surface Standalone route at /farm-profile

- Entry** Shell top bars, settings, and admin shortcuts
- Access** Viewable by members, editable by users with farm-management permission

Maintains the farm identity used across the product, including logo, name, location, type, size, and employee count.

- Shows a live brand preview so users can see how the logo appears in headers and switchers.
- Supports camera or gallery upload for the farm logo.
- Uses a bottom action bar to save profile updates cleanly.

Sync Center Screen

- Surface** Standalone route at /sync
- Entry** Shell top actions and admin quick actions
- Access** Roles with sync access

Monitors pending Firestore writes and the media upload queue so the team can see whether local changes still need to reach the cloud.

- Shows hero metrics for Firestore backlog, media queue size, and failed jobs.
- Lists pending media uploads with retry and remove actions where relevant.
- Breaks out the tracked Firestore collections and the newest pending records.

Notifications Screen

- Surface** Standalone route at /notifications
- Entry** Shell top actions and admin quick actions
- Access** Roles with notifications access

Acts as the in-app inbox for alerts, sync events, and farm activity notifications.

- Shows unread and total counts in hero metrics and the app bar.
- Supports mark-all-read plus per-item read and delete actions.
- Can trigger sound playback when new unread notifications arrive and silent mode is off.

Recycle Bin Screen

- Surface** Standalone route at /recycle-bin
- Entry** Shell overflow menu
- Access** Roles with recycle-bin access

Lets the team restore soft-deleted records or permanently purge them from the farm workspace.

- Shows a deleted-item count and an Empty Bin action in the hero card.
- Supports restore and permanent delete per item.
- Provides a bulk purge path for full cleanup when the recycle bin is no longer needed.

Workflow Editors and Dialog Surfaces

Focused create, edit, and capture flows that open from the larger workspaces.

Task Creator Workflow

Surface Full-screen task workflow page

Entry Tasks screen create action or farmer quick action

Access Roles that can edit task records

Plans work with title, description, priority, assignee, due date, and optional custom fields in one focused flow.

- Uses the shared workflow shell rather than a narrow popup.
- Supports due-date picking and member assignment.
- Stores farm-specific extra fields when task custom fields exist.

Task Evidence Capture Dialog

Surface Review and proof dialog

Entry Task completion flow

Access Assignees completing work and reviewers validating it

Captures proof that a task is complete, including note text and optional photo evidence, before the task is approved or reopened.

- Supports camera or gallery proof capture.
- Feeds the approval and rejection flow used by management.
- Keeps the completion record connected to the originating task.

Crop Profile Form

Surface Create and edit crop dialog

Entry Crops screen > Add Crop or Edit Crop

Access Roles that can edit crop records

Creates or updates a crop record with field, stage, yield, date, seed-source, production, notes, and custom-field data.

- Captures planting and expected-harvest dates.
- Stores seed source, supplier, expiry, tillage practice, and notes.
- Supports both initial crop setup and later record maintenance.

Crop Activity Log

Surface Crop activity dialog

Entry Crops screen > Log Activity

Access Roles that can edit crop records

Adds dated crop events such as planting, treatment, harvest, losses, and supporting notes so field activity remains chronological.

- Connects each activity to a specific crop profile.
- Records harvest and loss quantities used later in reporting.
- Provides the event history that rounds out each crop record.

Inventory Item Form

Surface Create and edit inventory dialog

Entry Inventory screen > Add Item or Edit Item

Access Roles that can edit inventory records

Captures the stock item name, category, quantity, unit, reorder level, notes, and custom fields used in inventory control.

- Supports both initial item creation and later edits.
- Keeps reorder levels beside live quantity values.
- Stores module-specific custom fields where configured.

Stock Adjustment Dialog

Surface Inventory quantity workflow

Entry Inventory screen > Adjust stock

Access Roles that can edit inventory records

Applies usage, restock, or correction changes to an inventory item so the stock ledger stays accurate.

- Labels the reason for the quantity change.
- Updates the quantity against the selected item.
- Keeps stock movement distinct from the core item edit form.

Resource Allocation Dialog

Surface Inventory allocation workflow

Entry Inventory screen > Allocate

Access Roles that can edit inventory records

Records where stock was allocated so managers can connect inputs to departments, fields, or operational destinations.

- Captures allocation target and quantity context.
- Creates a clearer trail for how stock was consumed.
- Extends inventory beyond simple item counting.

Asset Editor Dialog

Surface Create and edit asset dialog

Entry Assets screen > Add Asset or Edit Asset

Access Roles that can edit asset records

Creates or updates asset records with type, status, location, value, purchase date, notes, and custom fields.

- Supports both new fixed assets and maintenance of existing ones.
- Keeps asset value and purchase timing on the same screen.
- Works with custom fields for farm-specific asset metadata.

Poultry Batch Form

Surface Batch creation dialog

Entry Poultry batches screen > New Batch

Access Roles that can manage poultry batches

Registers a new flock or batch with name, type, flock size, manager, and start date.

- Separates rearing and layer batches.
- Sets the baseline used to calculate day numbers in daily logs.
- Creates the parent record for all future poultry batch activity.

Poultry Daily Log

Surface Day log dialog for a single batch

Entry Poultry batches screen > Add Daily Log

Access Roles that can manage poultry batches

Captures the daily operating record for a poultry batch, including mortality, sales, feed, water, weights, and layer egg counts.

- Calculates the flock day number from the batch start date.
- Shows egg-specific fields only for layer batches.
- Produces the tabular history used in the batch detail view.

Finance Entry Editor

Surface Full-screen finance workflow page

Entry Finance screen > Add Entry or Edit Entry

Access Roles that can log financials

Creates or updates income and expense ledger records with amount, description, category, source, and optional custom metadata.

- Stores amounts safely while displaying them in the configured farm currency.
- Supports both new entry and edit modes on the same page.
- Uses the common admin workflow shell instead of a small dialog.

Contact Editor

Surface Full-screen finance support workflow
Entry Finance screen > Add Contact or Edit Contact
Access Roles that can log financials

Maintains reusable customer and supplier records for finance documents.

- Captures party type, name, email, and phone.
- Feeds quotation, invoice, and purchase-order composition.
- Reuses the shared workflow page pattern for consistency.

Business Document Composer

Surface Full-screen document-generation workflow
Entry Finance screen > Generate Document or Edit Document
Access Roles that can log financials

Builds quotations, purchase orders, and invoices with contacts, line items, totals, dates, notes, terms, and linked finance sync for paid invoices.

- Supports purchase order, quotation, and invoice modes.
- Calculates subtotal, discount, tax, and final document total live.
- Can auto-sync a paid invoice into the finance ledger.

Alert Creation Dialog

Surface Alert editor dialog
Entry Alerts screen > New Alert
Access Roles that can create alerts

Creates time-based reminders with a title, type, scheduled date and time, and notes.

- Uses date and time pickers for the alert timestamp.
- Supports reminder types like vaccination, harvest, restock, and task.
- Keeps alert creation inside the reminder workflow rather than inside settings.

Compliance Document Upload Dialog

Surface Document capture dialog
Entry Compliance screen > Add Document
Access Roles that can edit compliance records

Creates a compliance record with title, type, expiry date, and optional image evidence ready for the media sync queue.

- Supports image selection and staged upload state.
- Keeps document metadata and media capture together.
- Feeds the expiry-aware list on the compliance screen.

Invite Employee Workflow

Surface Member invite workflow page
Entry User and Roles module > Invite Employee
Access Roles that can manage members

Sends a farm invite with role selection so the employee lands in the right workspace after sign-in.

- Creates pending invites that appear in the user-and-roles panel.
- Supports Worker, Manager, and Admin invite targets.
- Complements the login-screen invite claim behavior.

Custom Form Builder

Surface Full workflow page for form creation
Entry Custom Fields module > Create Form
Access Roles that can manage custom fields

Builds a grouped custom form with one or more fields for a specific module such as animals, crops, tasks, or finance.

- Sets the form title, description, module, and field definitions together.
- Lets admins create structured multi-field capture flows.
- Feeds back into the create and edit experiences used by staff.

Single Custom Field Builder

Surface Focused custom-field workflow page
Entry Custom Fields module > Add Single Field
Access Roles that can manage custom fields

Creates one standalone custom field when a full grouped form is not needed.

- Supports field type, required state, and selectable options.
- Applies to any supported module listed in the custom-fields screen.
- Gives the farm fine-grained control over record capture.

Species Builder

Surface Species creation workflow page
Entry Species Catalog module > Add Species
Access Roles that can manage species

Adds a farm-specific species label and key so it becomes available in animal intake and edit flows.

- Prevents the animal forms from being locked to only the default species set.
- Supports local naming without code changes.
- Feeds directly back into the animal dropdown choices.

Machinery Editor

Surface Premium form dialog for machinery records
Entry Machinery module > Add Machinery or Edit Machinery
Access Roles that can manage machinery

Creates or updates machinery records with name, type, status, hours, fuel consumption, output, and next service date.

- Supports both first registration and later maintenance edits.
- Keeps operational metrics beside the equipment identity data.
- Pairs with the separate service-log workflow for follow-up events.

Machinery Service Log

Surface Premium form dialog for service capture
Entry Machinery module > Log Service
Access Roles that can manage machinery

Records service work and updated operational metrics for a machine so due-service tracking stays current.

- Updates the machine after maintenance work is completed.
- Captures fresh hours, fuel, output, and next service timing.
- Keeps service events distinct from the base machine record.

Soil Test Entry

Surface Premium form dialog for agronomy records

Entry Soil Tests module > Add Test

Access Roles that can manage soil tests

Captures a new soil sample with field, pH, moisture, nutrient values, and sample date.

- Creates the agronomy records later shown in the soil-test list.
- Supports the nutrient trio of N, P, and K.
- Keeps field chemistry capture fast enough for field teams.