

Farm Planner

Use verified land, water and market information before committing resources.

Project identity

Project / location / planner / date / version

Land and production

Area available (ha); usable area; tenure evidence; crop or livestock enterprise; production calendar

Soil and water

Soil test date and findings; water source; lawful access; tested water quality; dependable supply

Resources and capacity

Labour, equipment, inputs, storage and transport; available capacity and gaps

Production and market plan

Expected saleable output and evidence; buyer specification; delivery window; key production risks

Next actions

Action; responsible person; due date; evidence required; review date

ABC Builder

Design the cluster around shared demand, practical services and accountable governance.

Members and purpose

Producers / enterprises / locations / shared objective / target customers

Resource and flow map

Inputs -> production -> collection -> processing -> logistics -> customers; name the owner at each step

Shared services

Service; capacity; provider; cost allocation; booking and maintenance arrangements

Governance

Membership rules; decision rights; records; disputes; transparent reporting; proposed SPV role

Commercial coordination

Quality standard; delivery commitment; buyer evidence; payment terms; traceability responsibilities

Implementation

First 90-day actions; accountable people; budget; measurable milestone; unresolved approvals

Business Plan Builder

Support each commercial assumption with a named source and date.

Customer and problem

Customer segment; unmet need; buyer interviews; specification; willingness-to-pay evidence

Offer and competition

Products / services; differentiators; alternatives; route to market

Operations

Production capacity; sourcing; people; processing; quality; logistics; partners

Revenue and costs

Sales units and prices; variable costs; fixed costs; capital needs; working capital; funding gap

Risks and responses

Market, climate, water, operational and payment risks; likelihood; response; responsible person

Milestones and evidence

90-day launch plan; customer validation; permits to verify; review dates; success measures

Financial Planning Worksheet

Choose one currency and time period. Values are user assumptions, not promised returns.

Inputs

Currency / period; saleable units Q; price P; variable cost per unit V; fixed operating costs F

Operating calculation

Revenue = $Q \times P$. Variable costs = $Q \times V$. Contribution = $Q \times (P - V)$. Operating surplus = contribution - F (before tax, finance and depreciation).

Break-even check

Break-even units = $F / (P - V)$, only when $P > V$. Round upward for whole units. If $P \leq V$, each unit does not cover variable cost.

Cash flow

Closing cash = opening cash + cash received - cash paid. Include capital purchases, loan receipts, repayments and timing; revenue is not necessarily cash received.

Sensitivity

Recalculate for lower saleable output, lower price and higher input costs. Record the lowest closing cash and financing gap.

Your calculation and evidence

Input value / source / date / base case / downside case / reviewer

Irrigation Planning Worksheet

Preliminary water budgeting only. Confirm crop, soil, climate and system design with suitable local expertise.

Site and evidence

Irrigated area (ha); crop and stage; soil water-holding information; climate data source and dates

Daily water balance

ET_c (mm/day) = reference evapotranspiration ET_o x crop coefficient K_c . Obtain locally suitable ET_o and K_c values.

Net and gross requirement

Net depth = $\max(0, ET_c - \text{effective rainfall})$, adjusted for soil storage and other verified water inputs. Gross depth = net depth / application efficiency as a decimal between 0 and 1.

Volume and capacity

Daily volume (m³) = gross depth (mm) x irrigated area (ha) x 10. Required flow (m³/hour) = daily volume / available operating hours.

Feasibility checks

Compare demand with dependable supply, storage and pump capacity. Confirm pressure, distribution uniformity, water quality, permissions and scheduling.

Your inputs and decision

ET_o / K_c / rainfall / efficiency / area / hours / calculated volume / supply / shortfall / adviser review
