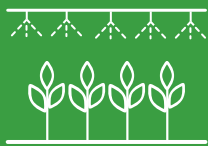


COMPLEMENTARY INTERVENTIONS TO MAXIMIZE THE PRODUCTIVE IMPACTS OF IRRIGATION



THE CHALLENGE:

Irrigation can dramatically increase farm productivity and climate resilience. Yet many irrigation investments deliver far below their potential due to low adoption and under-utilization.

TO MAXIMIZE IRRIGATION'S IMPACT
PLAN BEYOND CONSTRUCTION, TAILOR SUPPORT TO
THE LOCAL CONTEXT AND CONSIDER:

6 Complementary interventions can unlock irrigation's full potential



1. Reduce Labor Requirements:

- *High-value irrigated crops are often labor-intensive*
- *Labor-saving technologies (e.g., drip systems, rain hoses) lower adoption barriers, especially for family-labor-dependent households*



2. Facilitate Land Exchanges:

- *Some farmers own irrigable land but do not use irrigation; others seek irrigated plots but lack access*
- *Land rental and exchange mechanisms help allocate irrigable land to more productive users*



3. Connect Farmers to Markets:

- *Without reliable markets, returns to irrigated high-value crops remain limited*
- *Link farmers to buyers through mobile platforms, training, or off-taker models*



4. Unlock Access to Finance:

- *Irrigated cropping often requires upfront investments (seeds, fertilizer, pesticides)*
- *Promote buyer-linked finance, contract farming, or input credit via cooperatives or aggregators*



5. Provide Information Through Extension:

- *Farmers may lack knowledge on crop choice and irrigation-appropriate practices*
- *Use demonstration plots and targeted extension; support adoption of complementary inputs like fertilizer*



6. Promote Water Use Efficiency:

- *Farmers may lack knowledge on crop choice and irrigation-appropriate practice*
- *Use demonstration plots and targeted extension; support adoption of complementary inputs*

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