Furrow Irrigated Raised Bed Wheat Production

Smart Irrigation, Bountiful Harvests

This technique involves creating raised beds with furrows for planting crops, which ensures even irrigation and optimal soil moisture while reducing soil erosion and preventing waterlogging. It is effective with specific irrigated wheat varieties. In Ethiopia, suitable varieties include Amibera, Ga'ambo, Kakaba, Fentale-2, Shorima, Dandaa, and Ogolcho. In Nigeria, the varieties are Attila....



Science for resilient livelihoods in dry areas

International Center for Agricultural Research in the Dry Areas (ICARDA) Zewdie Bishaw

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This technology is TAAT1 validate		Scaling readiness: idea maturity:	ProPAS
		7/9; level of use: 7/9	Commodities
	Cost: \$\$\$ 300 USD		Wheat
labor and input per ha			Sustainable Development Goals
360 USD	100—250 USD		2 ZERO 6 CLEAN WATER 13 CLIMATE
sheet plastic per ha	water from planting to harvest	Open source / open access	
Problem Flooding wastes water: Raises p Scattered fertilizer: Costs more, environment.	arms Solution Solution Saves water: Targets furrows for optimal soil moisture. Protects crops: Raised beds prevent		Categories
Uncontrolled moisture: Lowers y	ields, hurts waterlogging a	waterlogging and improve drainage.	
 Limited freshwater: Weakens dro resistance, hurts yields. 	 Reduces waste: minimizes cost an Boosts harvests: controlled irrigati resilient crops. 	d environmental harm. Rainwater harvesting and on maximize water use for	Best used with • <u>Wheat Cultivation in</u> <u>Dryland through Winter</u> <u>Irrigation →</u> • <u>Minimal Tillage and Surface</u>
Key points to design your business plan For Farmers Furrow-Irrigated Raised Bed Wheat Production involves creating raised beds and furrows in your field (slope ~ 2%)			Tested/adopted in
Key considerations:			Tested & adopted
 Land suitability: Sandy, loamy, and clay soils are ideal. Labor: Use hand tools or rent a tractor-drawn bed shaper. Crop selection: Choose wheat suited for furrow irrigation and your climate. Planting: Research best planting times for your region. Inputs: Secure seeds, fertilizers, and pest control in advance. Irrigation: Implement a system to direct water to furrows (ditches or pipes). Training: Look for programs to learn best practices. Marketing: Plan how you will sell your wheat crop at harvest. 			Firsted Testing angoing Where it can be used This technology can be used in the colored agro-ecological zones.
Gender assessment	Climate impact		

