

Problem

Gender assessment

• Decreased wheat yields due to exposure to high diurnal temperatures

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- The global climate change, leading to heightened risks of yield losses and crop failure.
- Traditional cultivation of wheat during the hot rainy seasons exposes the crop to adverse effects of heat stress.

Key points to design your project

This technology improves wheat production. To implement it:

- Provide access to affordable irrigation systems
- Estimate input quantities, consider delivery costs, provide training, and develop communication materials.
- · Collaborate with agricultural institutes and seed companies is recommended for successful technology integration

(Cost: \$\$\$) 373 USD

Total cost of a winter production using surface irrigation

4 - 6 ton/ha Grain yields increased 100,000 - 300,000



Ha Possible area for cultivation expansion





Expanded Production of Irrigated Wheat https://e-catalogs.taat-africa.org/gov/technologies/expanded-production-of-irrigated-wheat Last updated on 22 May 2024, printed on 22 May 2024

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Production, Practices, Water management

Sustainable Development Goals

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Best used with

Categories

Wheat

• Furrow Irrigated Raised Bed Wheat Production >

Tested/adopted in

Where it can be used



## Climate impact

feed infrastructure,

• Promote winter production of wheat in African

including investments in water lifting and drip

• Encourage the use of heat-tolerant wheat varieties

• Develop and implement irrigation systems,

including fertilizers, and pesticides.

Solution

dryland,

