Disease resistant cassava varieties

Disease-Resistant Cassava Cuttings for Higher Yields

"Disease Resistant Cassava Varieties" are specially bred to withstand common viral diseases like cassava mosaic and cassava brown streak in sub-Saharan Africa. Those varieties help farmers protect their crops, increase yields, and improve food security. Ongoing breeding programs aim to find more varieties for sustainable cassava production.





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for sustainable cases a production		lechnology from
	📖 🚛 🧥 Scaling readiness: idea maturity	ProPAS
This lectricity is <u>TAAL Valuated</u> .	7/9; level of use 7/9	Commodities
Gender assessment	Climate impact	Cassava
		Sustainable Development Goals
Problem	Solution	2 ZERO 8 DECENT WORK AND 13 CLIMATE
 Viral diseases damage cassava leaves, reducing photosynthesis and causing significant yield 	• Disease-resistant cassava varieties significantly reduce infection rates and yield losses.	<u> </u>
losses.	Genes from wild types are transferred into	15 UFE ON LAND
Current disease control methods for cassava are	Improved cassava varielles infoudin conveniional	

- Current disease control methods for cassava are ineffective against viral pathogens.
- Farmers in African countries experience yield losses ranging from 20% to 95%, valued at approximately US\$1,200 – 2,300 million.
- Genes from wild types are transferred into improved cassava varieties through conventional crossing techniques, offering a cost-effective approach.
- Many resistant cassava varieties also exhibit comprehensive resistance to other major cassava pathogens, benefiting integrated crop health management by farmers.

Key points to design your project

- Disease-resistant cassava varieties technology empowers women, enhances food security, and mitigates climate change impacts.
- Integration involves raising awareness, acquiring adapted cassava lines, and building stakeholder capacity.
- Costs include delivery, training, and planting materials, estimated at USD 30 to 35 per hectare.
- Collaboration with agricultural institutes and seed companies is key for effective implementation.
- Availability spans various countries, requiring consideration of import clearance and duties.



1 ha of planting materials of elite cassava varieties

15-20 %

Incidences of cassava mosaic disease with resistant varieties



Target groups

Categories

Disease resistance

Tested/adopted in

Tested & ador

Production, Improved varieties,

Farmers, Seed companies

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