Golden maize varieties (High provitamin A)

Nutrition-boosting, income-enhancing maize.

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These maize varieties have distinctive orange kernels, a result of high betacarotene content. They are developed through advanced breeding techniques, combining naturally provitamin A enriched lines from Central and South America with elite land races and hybrid lines with improved agronomic traits.



AATF

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This technology is TAAT1 validated .	Scaling readiness: idea maturity	Technology from
		ProPAS
Gender assessment	Climate impact	Commodities
Problem	Solution	Maize
Significant population, including children and	 Provitamin A enriched maize varieties provide a stable source of essential nutrients, combating deficiencies. Preservation of beta-carotene ensures a consistent supply of vitamin A. 	Sustainable Development Goals
adults, faces preventable blindness and weakened immune systems due to insufficient vitamin A levels. Increased susceptibility to diseases such as		2 reno Signa 3 and vertice and 13 failure Signa 4 and 2 an
measles, diarrhea, and respiratory infections.	Genomic modification maintains nutrient content	Categories
Common maize varieties lack vital vitamins and minerals, contributing to widespread malnutrition. 50% of children aged 0.5 to 5 years are at risk of	without compromising yield.Cost-effective approach for regions heavily reliant on maize.	Production, Improved varieties, Yield improvement, Quality improvement
vitamin A deficiency, leading to severe health	• Tailored to meet nutritional needs, providing a	Best used with
complications and diminished quality of life	 Accessible and adaptable for diverse farming systems. 	 <u>Drought Tolerant Maize</u> <u>Varieties and Water Efficient</u> <u>Maize Varieties ></u> <u>Pre-plant blended fertilizers</u>
Key points to design your project This transformative technology enhances gender inclusion, providing resilience to climate challenges and Iligning with Sustainable Development Goals (SDGs) by addressing hunger and promoting well-being, aspecially for women and children. To integrate the technology into your project:		and nitrogen tondressing for
ey points to design your project nis transformative technology enhances gender inclu igning with Sustainable Development Goals (SDGs)	ision, providing resilience to climate challenges and by addressing hunger and promoting well-being, echnology into your project:	and nitrogen topdressing for maize > • Maize-legume rotation and intercropping >
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