

EXAMINING THE AGRONOMIC AND NUTRITIONAL PROPERTIES OF TARGET CROPS

Bioversity International

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METHODS

- General features
- Nutritional value
 - Food Composition Tables
 - Anti-nutrients
- Common recipes

- Fact sheets
- Literature reviews
- Food composition tables
- Webpages



FINDINGS—BAMBARA GROUNDNUT

Opportunities

- Contains enough carbohydrate, fat, and protein to be considered a complete food
- Red-colored seeds for iron deficiency
- Preparation of flour to add nutrient value
- Income opportunity

Challenges

- Perception as a “poor man’s crop”
- Anti-nutrients
- Processing



FINDINGS—FONIO

Opportunities

- Fast-maturing
- Harvested before the dry season
- Holds high market price
- Nutrient-dense

Challenges

- Low-yield
- Processing
- Anti-nutrients



FINDINGS—KODO AND KUTKI MILLET

Opportunities

- Rich in a variety of nutrients
- Kodo millet among the most drought tolerant of minor millets
- Able to adapt to poor-fertility soil

Challenges

- Lack of high-yielding varieties
- Anti-nutrients
- Lack of processing equipment



FINDINGS—CHAYA

Opportunities

- Can grow in low-light, non-irrigated and poor soil conditions
- Excellent source of nutrients
- Medicinal properties

Challenges

- Anti-nutrients



FINDINGS—TEPARY BEAN

Opportunities

- Good source of protein
- More drought tolerant than other beans

Challenges

- Lack of information
- Anti-nutrients
- Long cooking time

NUS COMMUNITY WEBPAGES

The screenshot shows a web browser displaying the website www.nuscommunity.org/about-us/. The page features the logo for **Bioversity International** and the title **Neglected and Underutilized Species Community**. A navigation menu includes **Home**, **About Us**, **Research**, **Resources**, **Media**, and **Conferences**. A search bar is located on the right side of the menu. The main content area has a large image of a group of people in hats sitting outdoors, with the text **About Us** overlaid. Below the image are social media icons for Facebook, Twitter, Google+, Email, and Print. The breadcrumb **Home / About Us** is visible. The main text describes the NUS Community as a platform for sharing research results, development news, and policy advice regarding the use and conservation of neglected and underutilized species. It aims to support research and promote the use of neglected and underutilized crops and trees to strengthen food security, build more resilient, climate-smart agriculture, and empower people through income generation and revitalized local food culture. Two circular icons are present: one with a magnifying glass for **The NUS Community** and one with a plant for **Neglected and Underutilized Species**. The text for the second icon is partially cut off at the bottom.

Home / About Us

The NUS Community is a platform for sharing research results, development news and policy advice regarding the use and conservation of neglected and underutilized species. It aims to support research and promote the use of neglected and underutilized crops and trees to strengthen food security, build more resilient, climate-smart agriculture, and empower people through income generation and revitalized local food culture. Find out more about who we are and the important role of neglected and underutilized species in the following pages:

The NUS Community
A platform sharing research results, development news and policy advice on the use and conservation of neglected and underutilized species.

Neglected and Underutilized Species
Thousands of edible plant species have been cultivated and collected by humans throughout history but modern agriculture is dominated by just a handful of crops. The plants overlooked by agricultural development could be critical to better nutrition, sustainability and poverty reduction.

<http://www.nuscommunity.org/about-us/>