

The role of Research and Technology: Developing the Agro-Allied Industry and Plugging the Infrastructure Gap

Private sector led and Government enabled Transformation of Agriculture in Nigeria: Technologies, Infrastructure and Youth

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- Introduction of High-yielding, early bulking varieties resistant to CMD



Cassava use

- Flour
- Starch
- Sweetener

Cassava Bread



Cassava Doughnuts



Fresh Cassava Croquettes



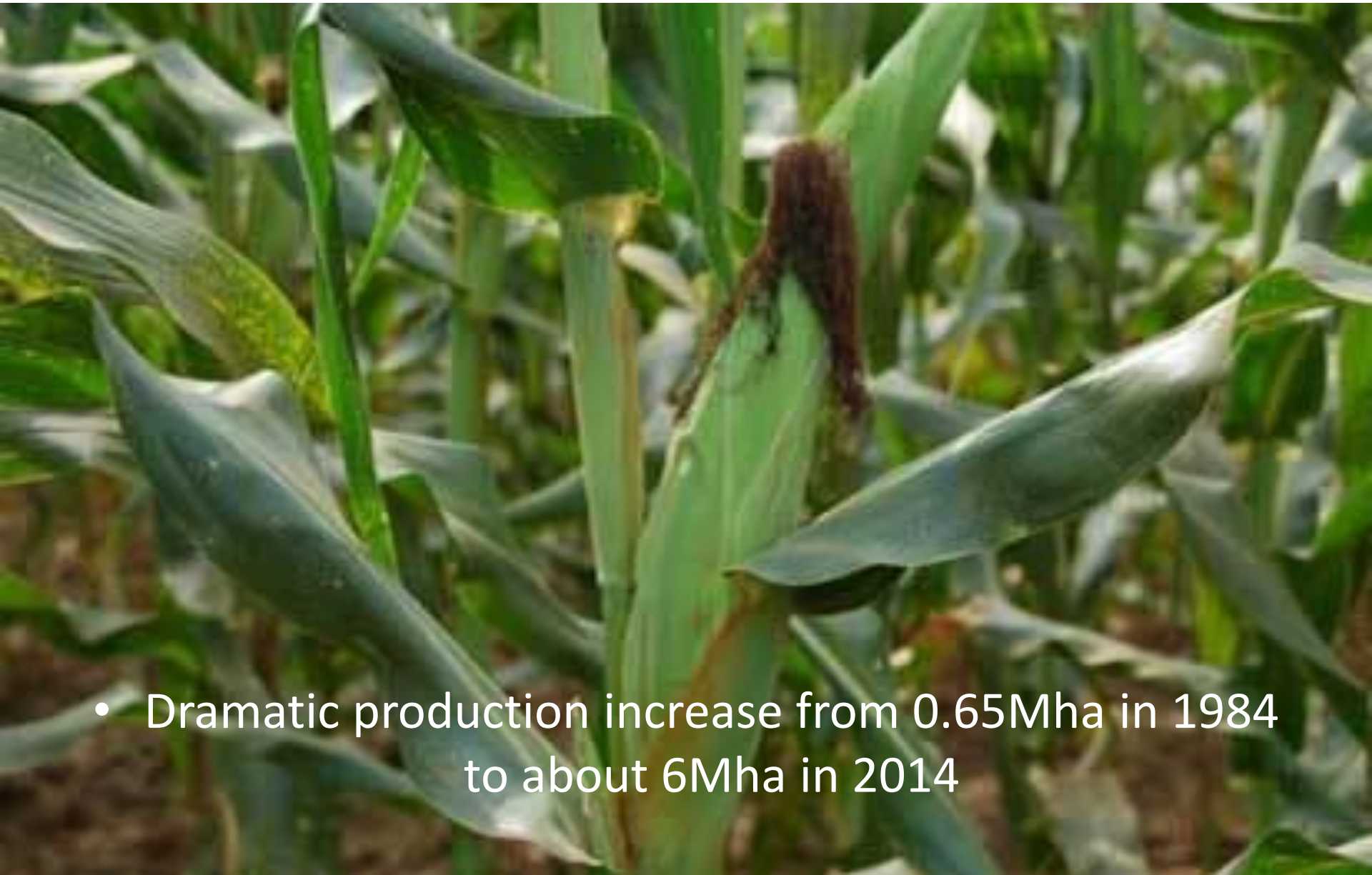
Cassava Egg-rolls



- Replace imported wheat up to 20% in bread and 40% in other confectionaries



- Streak Virus and Striga resistant
- Thriving in poultry industry
- Becoming dominant cereals in Northern Nigeria



- Dramatic production increase from 0.65Mha in 1984 to about 6Mha in 2014

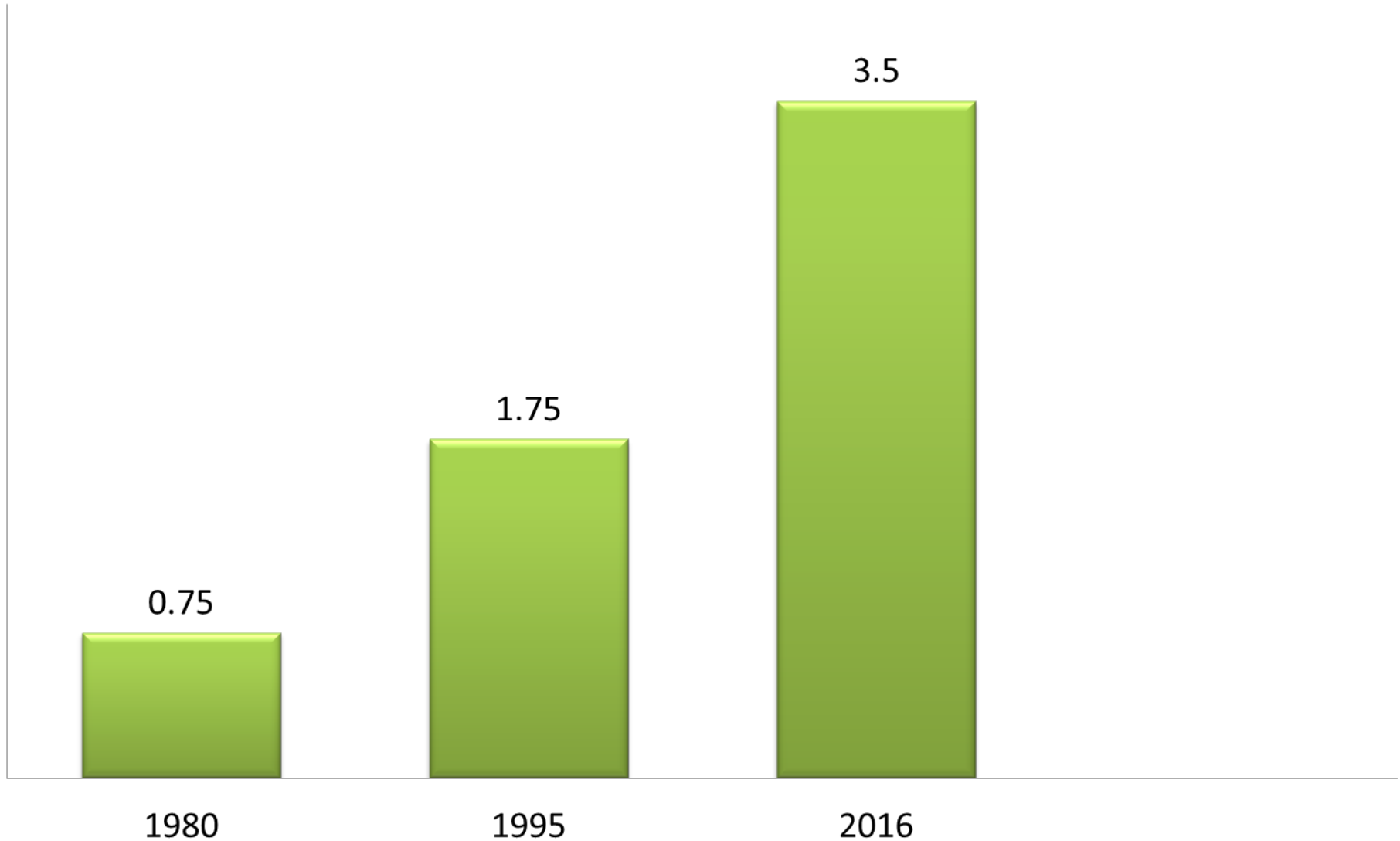


- Soybeans largely unknown in Nigeria up till 1980s
- Production increased dramatically because of new high yielding varieties and strong demand for vegetable oil and poultry feed

Sorghum for Food Security and Industrial Uses

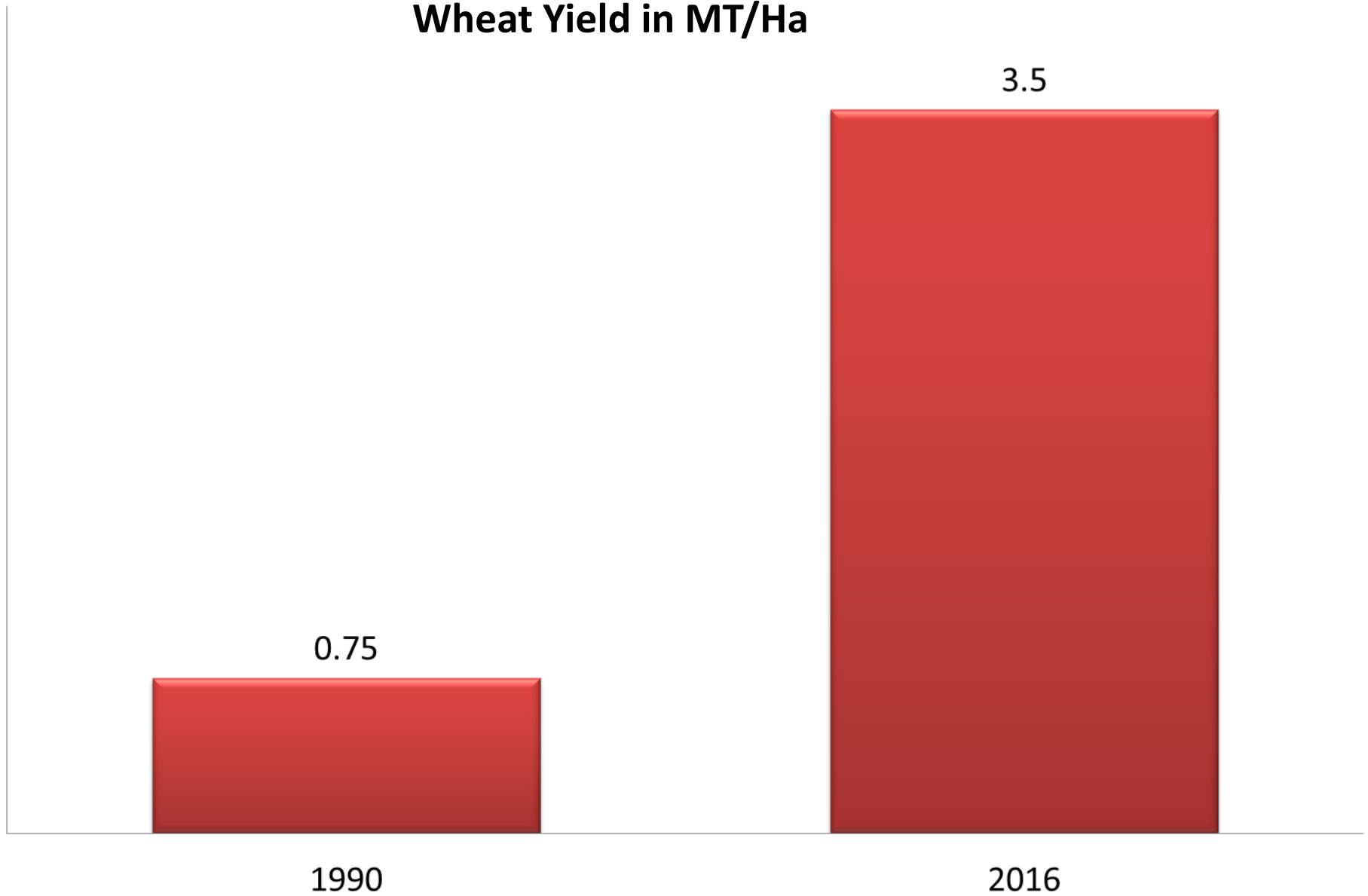


Yield of Improved Varieties in MT/Ha



- Demand in Nigeria > 4million MT per annum
- Over \$4billion importation annually

Wheat Yield in MT/Ha





Major Obstacles

- Rural Roads
- Storage Facilities
- Processing Facilities
- Irrigation





- Borehole Schemes
- Formal and Informal Education
- Health Facilities
- Farmers' Unions and Cooperatives
- Agricultural Extension



Cooperatives
Credit Societies



Research Extension Markets



- Make agricultural research serve the needs of the industry via reform of Agricultural Research Council of Nigeria (ARCN) from a coordinating research council to a managing research council.

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- Achieve self-sufficiency in rice, maize, soybean, and poultry production; 50% self-sufficiency in fish, wheat, and dairy production by 2019 through establishment of a private sector-led, government enabled input distribution platform for the dissemination of a technology package.

- Strengthen capacity for project management and policy making in the public sector via training of staff at all levels in financial and technical management

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- Create a new generation of farmers and Agripreneurs by recruiting, training, and mentoring 40,000 young men and women under the ENABLE Youth program of the Government and the AfDB



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THANK YOU!

