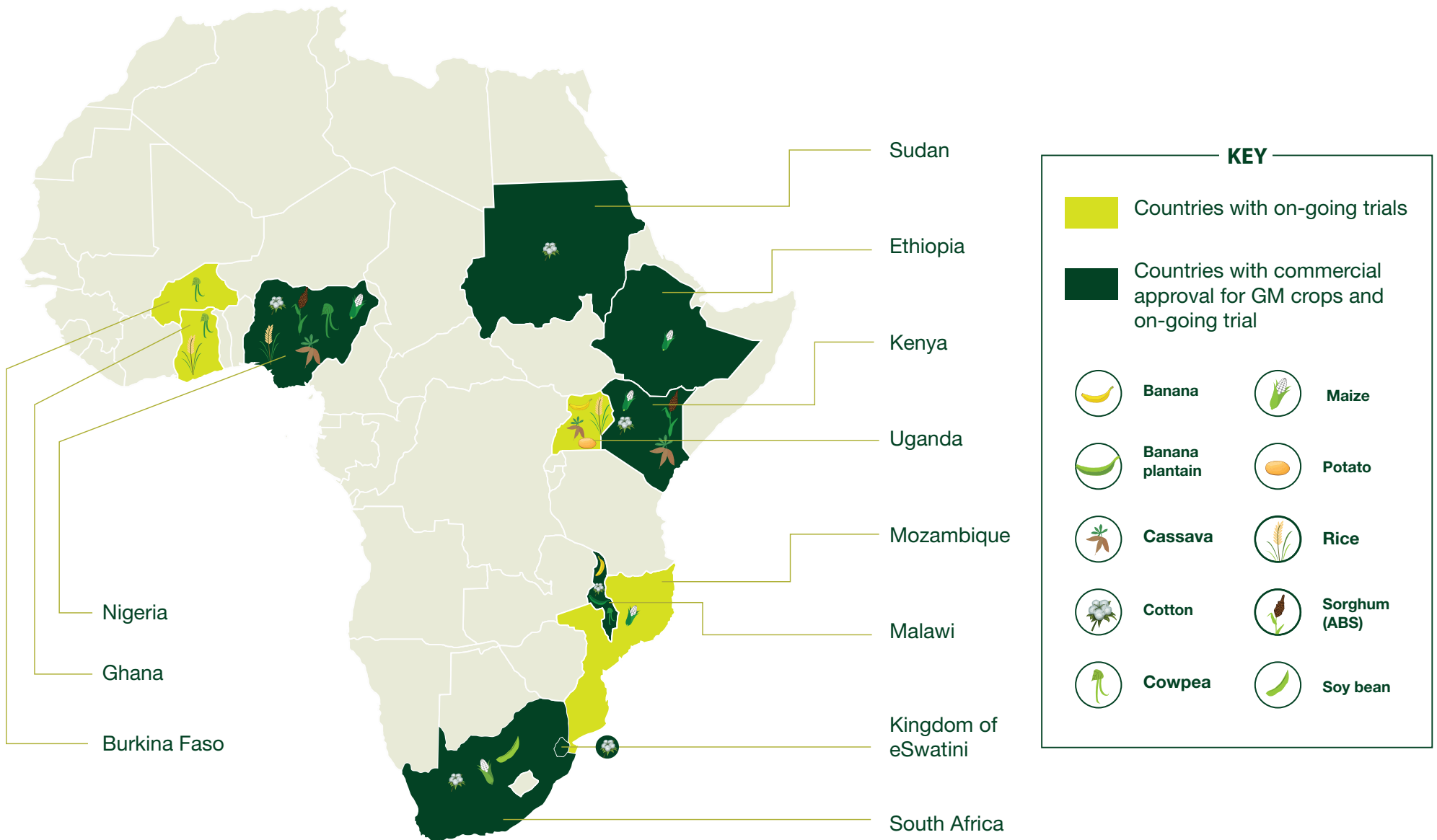


Africa Biotech/GM Research and Commercialization Status by 2019

10 CROPS






11 COUNTRIES

16 TRAITS











Crop Traits Under Various Stages of Research in Africa by 2019






Kenya

-  **Maize** Drought tolerance and insect resistance stacked events (TELA)
-  **Maize** Insect resistance (TELA)
-  **Cotton** Insect resistance
-  **Cassava** Cassava Brown Streak Disease (CBSD) resistance
-  **Sorghum (ABS)** Biofortification





Nigeria

-  **Cowpea** Insect resistance to maruca pest
-  **Sorghum (ABS)** Biofortification
-  **Rice** Nitrogen Use Efficiency (NUE)
-  **Rice** Nitrogen Use, Water Efficiency and Salt Tolerance (NUWEST)
-  **Maize** Drought tolerance and insect resistance stacked events (TELA)
-  **Cotton** Insect resistance
-  **Cassava** Delayed postharvest starch deterioration
-  **Cassava** Biofortification


Uganda

-  **Banana** Banana bacterial -Xanthomonas Wilt (BXW) resistance
Banana parasitic nematode resistance
Biofortification
-  **Cassava** Cassava Brown Streak Disease (CBSD) resistance
-  **Rice** Nitrogen Use Efficiency (NUE)
-  **Rice** Nitrogen Use, Water Efficiency and Salt Tolerance stacked events (NUWEST)
-  **Potato** Late blight disease resistance

Malawi

-  **Cotton** Insect resistance
-  **Cowpea** Insect resistance
-  **Banana** Bunchytop virus resistance
-  **Banana plantain** Bunchytop virus resistance




Mozambique

-  **Maize** Drought tolerance and insect resistance stacked events (TELA)


Kingdom of eSwatini

-  **Cotton** Insect resistance

South Africa

-  **Cotton** Insect resistance/ herbicide tolerance multi-stacked events
-  **Soy bean** Insect resistance/ herbicide tolerance multi-stacked events
-  **Maize** Insect resistance multi stacks event (TELA)




Ethiopia

-  **Maize** Drought tolerance and insect resistance stacked events (TELA)

Sudan

-  **Cotton** Insect resistance

Ghana

-  **Rice** Nitrogen Use Efficiency (NUE)
-  **Rice** Nitrogen Use, Water Efficiency and Salt Tolerance stacked events (NUWEST)
-  **Cowpea** Insect resistance to maruca pest

Burkina Faso

-  **Cowpea** Insect resistance to maruca pest