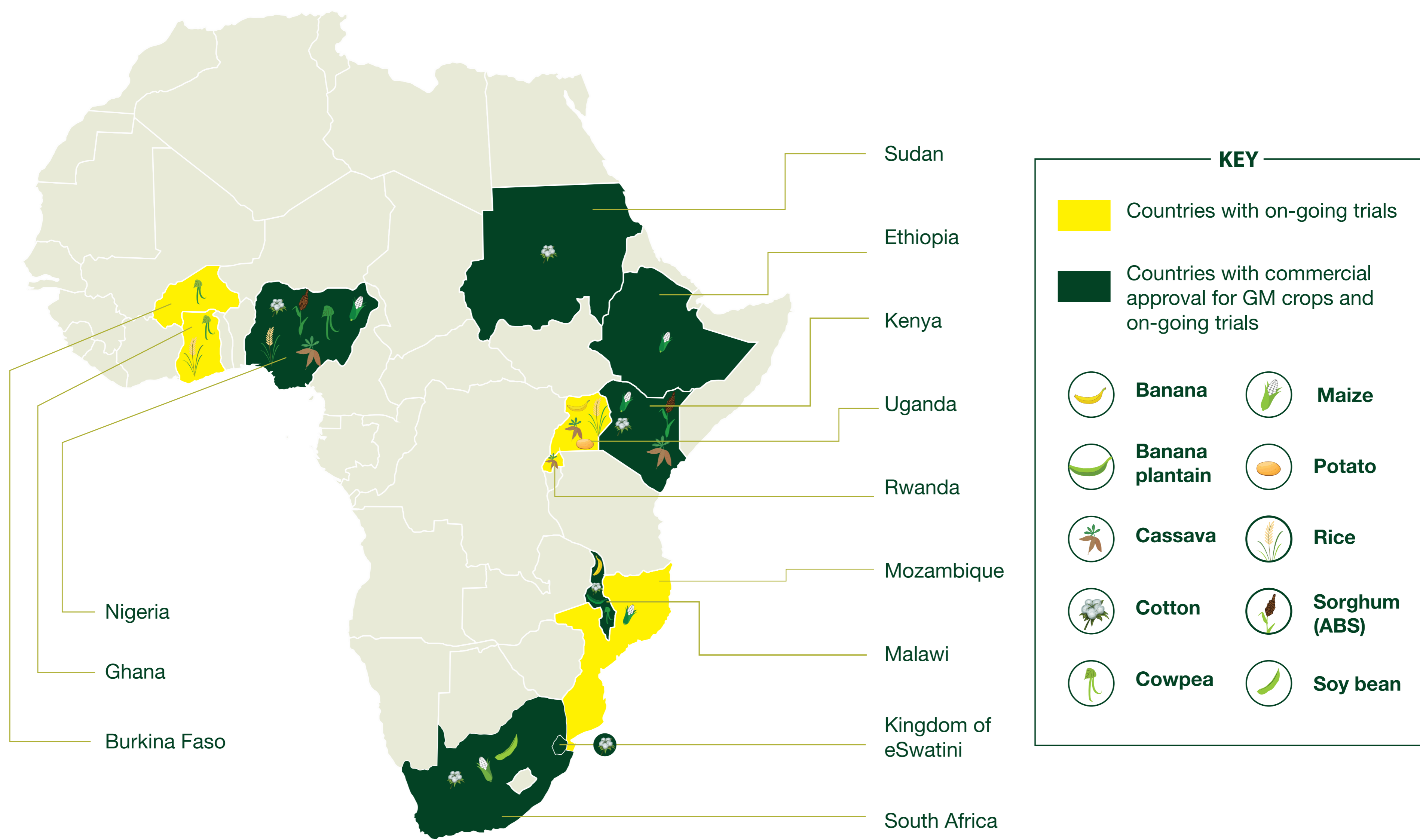


Africa Biotech/GM Research and Commercialization Status by 2020

10 CROPS 12 COUNTRIES 16 TRAITS



Crop Traits Under Various Stages of Research in Africa by 2020

Kenya

- 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 Efficiency, Water Use Efficiency and Salt Tolerance stacked events (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 Efficiency, Water Use Efficiency and Salt Tolerance stacked events (NUWEST)
- Potato** Late blight disease resistance

Rwanda

- Cassava** Cassava Brown Streak Disease (CBSD) 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 Efficiency, Water Use Efficiency and Salt Tolerance stacked events (NUWEST)
- Cowpea** Insect resistance to maruca pest

Burkina Faso

- Cowpea** Insect resistance to maruca pest