

REGULATORY LANDSCAPE FOR GENE-EDITED CROPS IN AFRICA

Established regulatory criteria for new breeding innovations in countries in Africa in the past decade



4 COUNTRIES IN AFRICA

WITH ESTABLISHED GUIDELINES
ON NEW BREEDING INNOVATIONS:

NIGERIA (FEBRUARY 2022)

KENYA (MARCH 2022)

MALAWI (AUGUST 2022)

GHANA (OCTOBER 2023)

GENE-EDITED CROPS IN THE PIPELINE IN AFRICA

STRIGA
RESISTANT
SORGHUM



MAIZE
RESISTANT TO
MAIZE LETHAL
NECROSIS
DISEASE

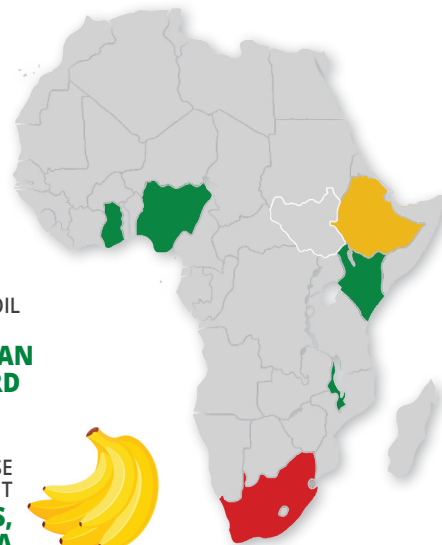
TOLERANT TO
DROUGHT,
GENOTOXIC,
AND OXIDATIVE
STRESSES

DROUGHT
TOLERANT
WHEAT



IMPROVE OIL
QUALITY
**ETHIOPIAN
MUSTARD**

DISEASE
RESISTANT
**ROOTS,
TUBERS,
& BANANA**



Countries where products are likely to be regulated as conventional new varieties after recent regulatory policy updates.

Countries where there are noticeable policymaking discussions over proposals to treat SDN1 as conventional new varieties.

Countries where SDN1 products should be treated as GMO according to court interpretations based on old regulations.



ISAAA Inc.

For more information, visit:

www.isaaa.org

Sources:

ISAAA. 2021. Breaking Barriers with Breeding: A Primer on New Breeding

Innovations for Food Security. *ISAAA Brief* No. 56.

ISAAA Biotech Updates. <https://www.isaaa.org/kc/cropbiotechupdate/>

SDN1: site-directed nuclease

GMO: genetically modified organism



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