



ISAAA AfriCenter

ANIMAL BIOTECHNOLOGY IN AFRICA

Trends in Research, Regulations and Communications

By ISAAA AfriCenter

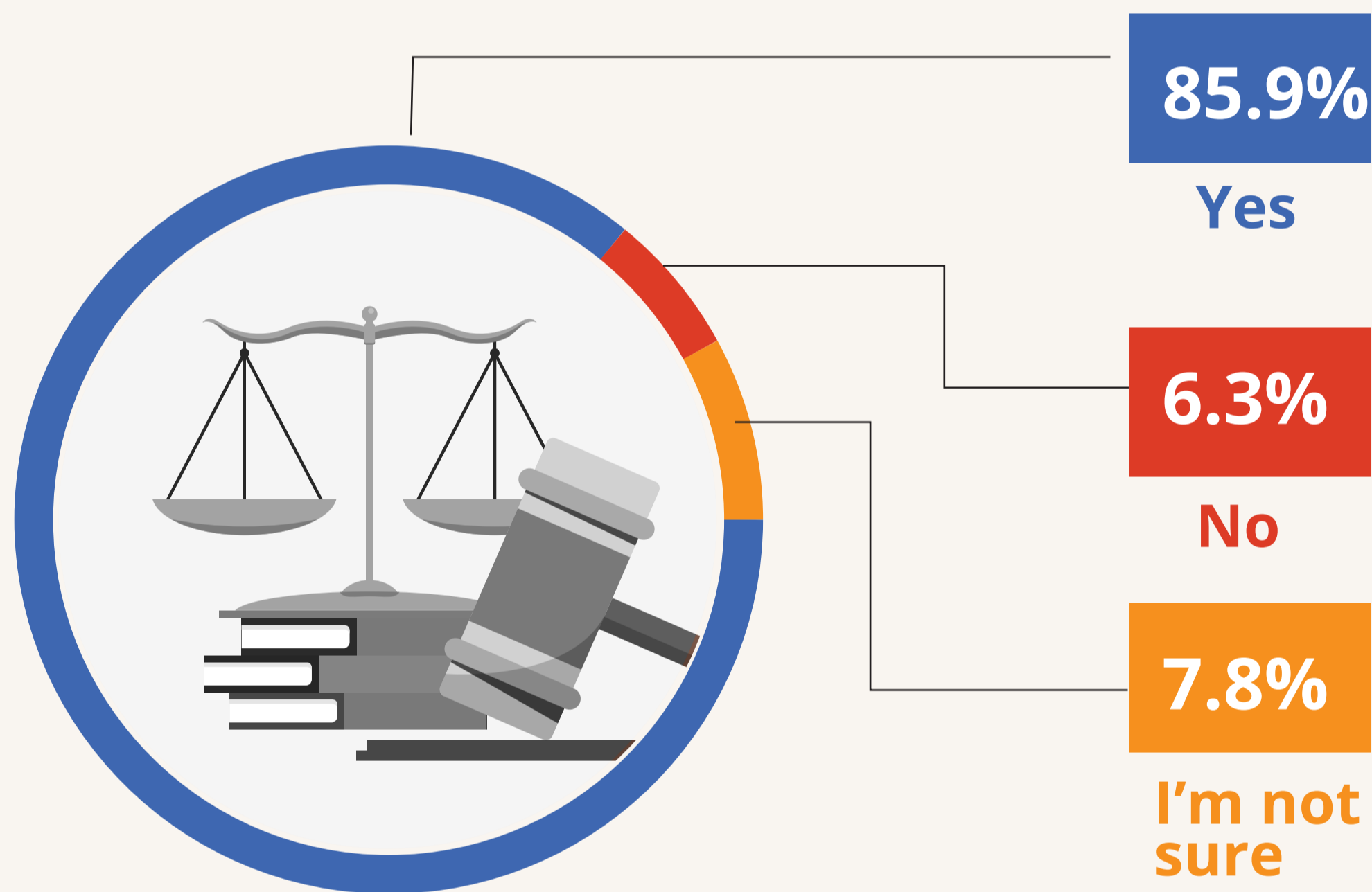
- Animal biotechnology holds immense potential to improve both productivity and resilience in livestock, poultry and fish farming.
- This is particularly important in the developing world where food security and the growing demand for food are a major challenge.
- In Africa, animal agriculture is hampered by key challenges including pests and diseases, heat stress, shortage of animal feeds and use of inferior breeds.
- Currently, genetic modification and genome editing are being used to improve various aspects of economically important animals.
- Through strategic stakeholder engagements with African researchers, regulators, farmers, early-career professionals, and policymakers, ISAAA AfriCenter has collated key trends in animal biotechnology research, regulations and communications.

A. What should be the focus of animal biotechnology research in your country?

In order of priority:

- Developing disease resistance in animals
- Increasing animal productivity - better yields in milk, meat, eggs, hides and skin
- Improving animal growth rates
- Developing animals adaptable to climate change
- Improving animal breeding and production systems

B. Does your country need to develop regulatory guidelines for animal biotechnology?



C. Does your country have a communication strategy for engaging stakeholders on issues relating to animal biotechnology?

