SOUTH AFRICAN NATIONAL SURVEY OF RESEARCH AND EXPERIMENTAL DEVELOPMENT SECTOR RESULTS AND TRENDS

AGRICULTURAL R&D AT A GLANCE 2020/21



FACT SHEET NO. 48







THE BIG PICTURE



research

South Africa's **GDP** in 2020/21 was

R 5 521.075
BILLION

In 2020/21, 0.61% of GDP was spent on R&D



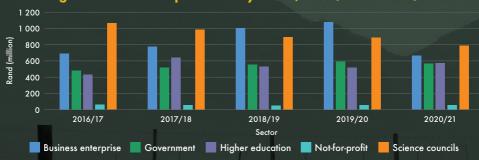
Of this, R 2.655
BILLION
was spent on
agricultural

SPENDING PATTERNS IN AGRICULTURAL R&D



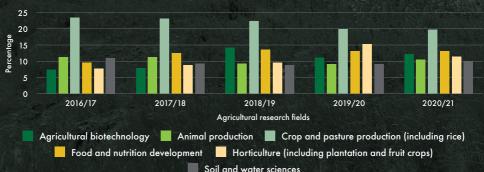
R&D in agriculture was performed mostly by the business and science council sectors over the last five years. However, the large decrease in business sector spending on R&D may be as a result of the global COVID-19 pandemic and the resulting impact on businesses.

Agricultural R&D expenditure by sector, 2016/17 to 2020/21



Over a five-year period, the share of R&D expenditure on crop and pasture production declined, yet it still accounted for approximately 20% of all agricultural R&D expenditure in 2020/21. A growing percentage of R&D spending was in food and nutrition development, peaking in 2019/20.

Share of agricultural R&D by main research fields, 2016/17 to 2020/21



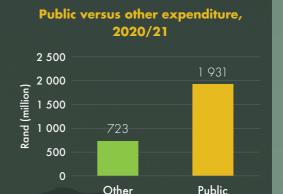
PUBLIC VS OTHER SPENDING ON AGRICULTURAL R&D



Government departments, higher education institutions and science councils spent the most on agricultural R&D in the last five years, to the tune of R1.931 billion in nominal terms. By contrast, business and the not-for-profit sectors spent R723 million over the same period.

Data note:

Public includes state research institutes, national departments, provincial departments, museums, municipalities, higher education institutions and science councils.



GEOGRAPHIC LOCATION OF AGRICULTURAL R&D



In the past five years, most spending on agricultural R&D occurred in Gauteng, followed by KwaZulu-Natal and the Western Cape with similar levels of expenditure.



	Eastern Cape	Free State	Gauteng	KwaZulu- Natal	Limpopo	Mpuma- langa	Northern Cape	North West	Western Cape
2016/17	299		589						
2017/18	306		<i>7</i> 11	534					530
2018/19	251		<i>7</i> 45	568					549
2019/20	271		<i>7</i> 49	662					552
2020/21	282		716				37		454



270 - 510 = Medium

511 - 750 = High

BEHIND THE NUMBERS

The annual South African National Survey of Research and Experimental Development (R&D Survey) is conducted by the Centre for Science, Technology and Innovation Indicators (CeSTII) at the Human Sciences Research Council (HSRC), on behalf of the Department of Science and Innovation (DSI). R&D statistics are collected in terms of the Statistics Act No. 6 of 1999, and are quality assured by Statistics South Africa. Data collected through the Survey, and its historic data series, helps to inform decision-makers on investment planning, policy-making, advocacy, and research in South Africa. Data also adds to benchmarking and performance comparisons with our international counterparts.

Access previous survey reports:

https://hsrc.ac.za/divisions/centre-for-science-technology-and-innovation-indicators/

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