

AAGWa Crop Production Forecasts Brief Series

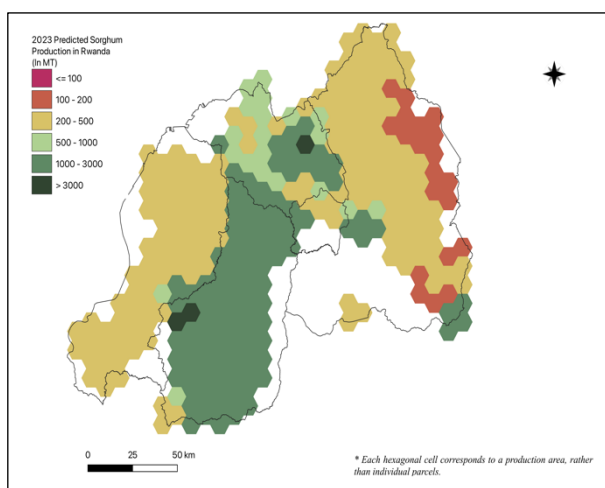
Rwanda – Sorghum

Aïssatou Ndoye,* Mansour Dia,** and Khadim Dia***

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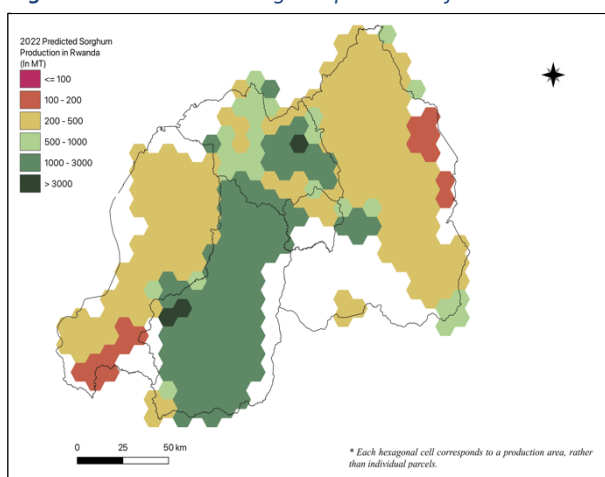
The crop production forecast brief series by AKADEMIYA2063's Africa Agriculture Watch (AAGWa) aims to provide more accurate and timely data on harvest and yields for nine major crops across nearly

Figure 1. Rwanda 2023 Sorghum production forecast.



Data source: Africa Agriculture Watch (www.aagwa.org).

Figure 2. Rwanda 2022 Sorghum production forecast.



Data source: Africa Agriculture Watch (www.aagwa.org).

50 African countries. The timeliness, wide availability, and easy access to this type of data will allow stakeholders across the value chain to better plan and execute policy and business actions more efficiently. The data published in the briefs are generated through the Africa Crop Production (AfCP) model, an Artificial Intelligence (AI-based) model applied to remotely sensed geo-biophysical data to produce estimates at pixel as well as administrative levels as early as the beginning of every growing season. In Brief 106, we provide forecasts on Sorghum production in Rwanda.

In 2023, Sorghum production in Rwanda is projected to reach 170,912 metric tons (MT), which corresponds to a 7% increase over 2022 production levels. However, the most significant sorghum production levels are expected in the Western and Southern districts, particularly in Nyamagabe (Amajyepfo), Gicumbi (Amajyaruguru), Nyaruguru (Amajyepfo), Muhanga (Amajyepfo), and Huye (Amajyepfo) with production levels estimated at 23,079 MT, 17,301 MT, 15,621 MT, 14,080 MT, and 11,486 MT, respectively. In contrast, lower production values are observed in Nyabihu (Iburengerazuba), Rubavu (Iburengerazuba), Bugesera (Iburasirazuba), Ngoma (Iburasirazuba), and Rusizi (Iburengerazuba), with production of, respectively, 310 MT, 314 MT, 332 MT, 509 MT, and 539 MT.

Moreover, the highest sorghum production increases in 2023 are expected to occur in areas such as Nyaruguru, Nyamagabe, Huye, Gicumbi, and Muhanga, with differences of respectively 1,827 MT, 1,646 MT, 1,084 MT, 844 MT, and 838 MT. These correspond to changes of respectively, 13%, 8%, 10%, 5%, and 6%.

*Associate Scientist, Department of Data Management, Digital Products, and Technology, AKADEMIYA2063

**Associate Scientist, Department of Data Management, Digital Products, and Technology, AKADEMIYA2063

***Senior Associate Scientist, Department of Data Management, Digital Products, and Technology, AKADEMIYA2063



Annex – 2023 Rwanda Sorghum Production Forecast at District level

Provinces	Districts	2023 Production (MT)	2022 Production (MT)	Difference (MT)	Change (%)
Amajyaruguru	Burera	4024	3580	443	12%
Amajyaruguru	Gakenke	7790	7227	563	8%
Amajyaruguru	Gicumbi	17301	16457	844	5%
Amajyaruguru	Musanze	1640	1431	208	15%
Amajyaruguru	Rulindo	5755	5495	260	5%
Amajyepfo	Gisagara	3925	3549	376	11%
Amajyepfo	Huye	11486	10402	1084	10%
Amajyepfo	Kamonyi	10383	9770	613	6%
Amajyepfo	Muhanga	14080	13243	838	6%
Amajyepfo	Nyamagabe	23079	21433	1646	8%
Amajyepfo	Nyanza	8047	7450	596	8%
Amajyepfo	Nyaruguru	15621	13794	1827	13%
Amajyepfo	Ruhango	10185	9485	700	7%
Iburasirazuba	Bugesera	332	331	1	0%
Iburasirazuba	Gatsibo	4758	4555	203	4%
Iburasirazuba	Kayonza	5065	4977	88	2%
Iburasirazuba	Kirehe	1976	1865	111	6%
Iburasirazuba	Ngoma	509	545	-36	-7%
Iburasirazuba	Nyagatare	6089	6216	-128	-2%
Iburasirazuba	Rwamagana	3410	3101	309	10%
Iburengerazuba	Karongi	5197	5103	94	2%
Iburengerazuba	Ngororero	2172	2157	16	1%
Iburengerazuba	Nyabihu	310	301	9	3%
Iburengerazuba	Nyamasheke	1985	1884	101	5%
Iburengerazuba	Rubavu	314	323	-10	-3%
Iburengerazuba	Rusizi	539	450	89	20%
Iburengerazuba	Rutsiro	2150	2189	-39	-2%
Umujiyi wa Kigali	Gasabo	820	784	36	5%
Umujiyi wa Kigali	Nyarugenge	1972	1846	126	7%
Total		170912	159943	10969	7%

MT (Metric tons): 1 MT is equivalent to 1,000 kilograms.

Change: refers to the relative difference and is calculated as (2023 prod – 2022 prod) divided by 2022 prod.

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