Africa Agriculture Watch
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AAgWa Crop Production Forecasts Brief Series

Rwanda – Sorghum

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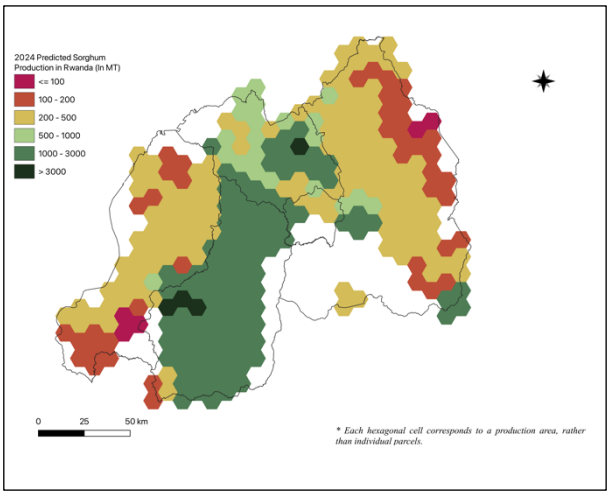
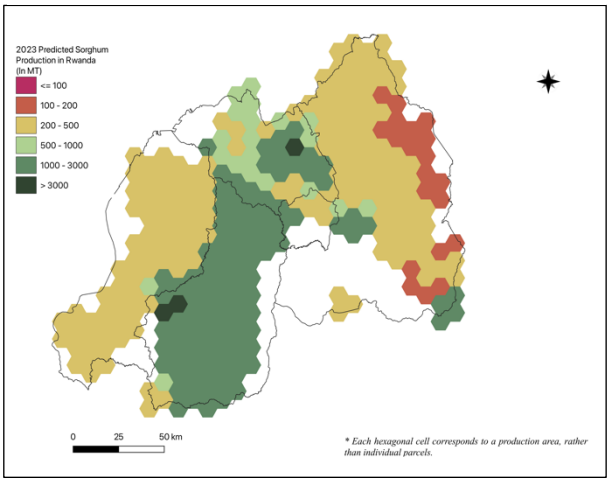
The crop production forecast brief series by AKADEMIYA2063's Africa Agriculture Watch (AAgWa) aims to provide more accurate and timely data on harvest and yields for ten major crops across nearly 50 African countries. The timeliness, wide availability, and easy access to this type of data will allow 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 144, we provide forecasts on sorghum production in Rwanda.

Figure 1. *Rwanda 2024 Sorghum production forecast.*



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

Figure 2. *Rwanda 2023 Sorghum production forecast.*



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

In 2024, sorghum production in Rwanda is projected to reach 176,090 metric tons (MT), corresponding to a 3% increase over 2023 production levels. 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 24,117 MT, 18,279 MT, 15,522 MT, 15,154 MT, and 12,333 MT, respectively. In contrast, lower production values are observed in Nyabihu (Iburengerazuba), Bugesera (Iburasirazuba), Rubavu (Iburengerazuba), Rusizi (Iburengerazuba), and Ngoma (Iburasirazuba), with production of, respectively, 161 MT, 238 MT, 271 MT, 327 MT, and 487 MT.

Moreover, the highest sorghum production increases in 2024 are expected to occur in areas such as Muhanga, Nyamagabe, Gicumbi, Kamonyi (Amajyepfo), Ruhango (Amajyepfo), and Huye, with differences of respectively 1,074 MT, 1,038 MT, 979 MT, 905 MT, 848 MT, and 847 MT. These correspond to changes of 8%, 4%, 6%, 9%, 8%, and 7%.

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Annex – 2024 Rwanda Sorghum Production Forecast at District Level

Provinces	Districts	2024 Production (MT)	2023 Production (MT)	Difference (MT)	Change (%)
Amajyaruguru	Burera	4121	4024	98	2%
Amajyaruguru	Gakenke	8156	7790	366	5%
Amajyaruguru	Gicumbi	18279	17301	979	6%
Amajyaruguru	Musanze	1663	1640	23	1%
Amajyaruguru	Rulindo	6102	5755	347	6%
Amajyepfo	Gisagara	4197	3925	273	7%
Amajyepfo	Huye	12333	11486	847	7%
Amajyepfo	Kamonyi	11288	10383	905	9%
Amajyepfo	Muhanga	15154	14080	1074	8%
Amajyepfo	Nyamagabe	24117	23079	1038	4%
Amajyepfo	Nyanza	8729	8047	683	8%
Amajyepfo	Nyaruguru	15522	15621	-99	-1%
Amajyepfo	Ruhango	11033	10185	848	8%
Iburasirazuba	Bugesera	238	332	-95	-29%
Iburasirazuba	Gatsibo	4717	4758	-41	-1%
Iburasirazuba	Kayonza	5049	5065	-16	0%
Iburasirazuba	Kirehe	1981	1976	6	0%
Iburasirazuba	Ngoma	487	509	-22	-4%
Iburasirazuba	Nyagatare	5739	6089	-350	-6%
Iburasirazuba	Rwamagana	3677	3410	267	8%
Iburengerazuba	Karongi	4727	5197	-469	-9%
Iburengerazuba	Ngororero	1993	2172	-179	-8%
Iburengerazuba	Nyabihu	161	310	-149	-48%
Iburengerazuba	Nyamasheke	1354	1985	-631	-32%
Iburengerazuba	Rubavu	271	314	-43	-14%
Iburengerazuba	Rusizi	327	539	-212	-39%
Iburengerazuba	Rutsiro	1686	2150	-464	-22%
Umujyi wa Kigali	Gasabo	843	820	23	3%
Umujyi wa Kigali	Nyarugenge	2146	1972	174	9%
Total		**176090**	**170914**	**5181**	**3%**

MT (Metric tons): *1 MT is equivalent to 1,000 kilograms.*
Change: *refers to the relative difference and is calculated as (2024 prod – 2023 prod) divided by 2023 prod.*

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