

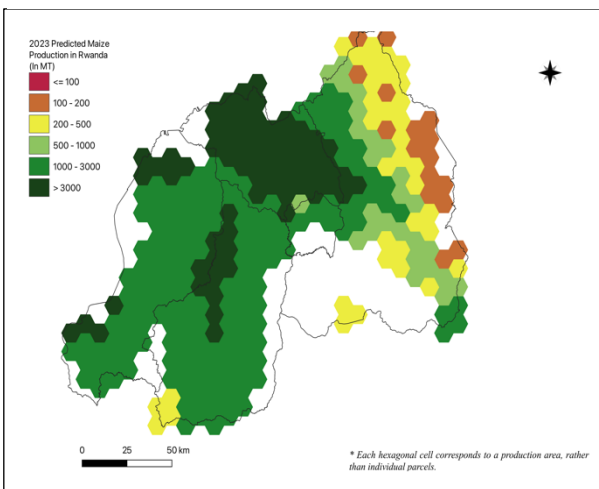
AAGWa Crop Production Forecasts Brief Series Rwanda – Maize

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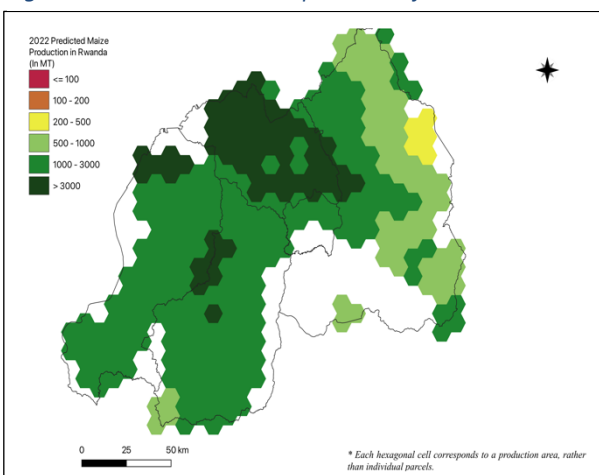
The crop production forecast brief series by AKADEMIYA2063's Africa Agriculture Watch (AAGWa) aims to provide more accurate and timely data on harvest and yields for nine major crops across nearly

Figure 1. Rwanda 2023 Maize production forecast.



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

Figure 2. Rwanda 2022 Maize 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 105, we provide forecasts on Maize production in Rwanda.

In 2023, Maize production in Rwanda is projected to reach 411,518 metric tons (MT), which indicates a 10% increase over 2022 production levels. However, the highest maize producers are expected to be the Northern and Western districts such as Gakenke (Amajyaruguru), Gicumbi (Amajyaruguru), Burera (Amajyaruguru), Karongi (Iburengerazuba), and Musanze (Amajyaruguru), with production levels estimated at 41,426 MT, 39,276 MT, 35,584 MT, 24,704 MT, and 24,221 MT, respectively. In comparison, lower production values are observed in Bugesera (Iburasirazuba), Ngoma (Iburasirazuba), Nyarugenge (Umujyi wa Kigali), Rwamagana (Iburasirazuba), and Kirehe (Iburasirazuba), with production of, respectively, 296MT, 386 MT, 1,726 MT, 1,888 MT, and 2,595 MT.

Compared to 2022, the most significant Maize production increases in 2023 are expected to occur in areas such as Gakenke, Burera, Gicumbi, Musanze, and Nyamagabe (Amajyepfo), with differences of

respectively 6,751 MT, 5,802 MT, 5,788 MT, 4,279 MT, and 3,816 MT. These correspond to changes of respectively, 19%, 19%, 17%, 21%, and 20%.

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Annex – 2023 Rwanda Maize Production Forecast at District level

Provinces	Districts	2023 Production (MT)	2022 Production (MT)	Difference (MT)	Change (%)
Amajyaruguru	Burera	35584	29782	5802	19%
Amajyaruguru	Gakenke	41426	34675	6751	19%
Amajyaruguru	Gicumbi	39276	33488	5788	17%
Amajyaruguru	Musanze	24221	19942	4279	21%
Amajyaruguru	Rulindo	21546	18113	3433	19%
Amajyepfo	Gisagara	3453	3112	341	11%
Amajyepfo	Huye	11439	10141	1298	13%
Amajyepfo	Kamonyi	9660	8731	929	11%
Amajyepfo	Muhanga	23548	19743	3805	19%
Amajyepfo	Nyamagabe	23012	19197	3816	20%
Amajyepfo	Nyanza	8898	7945	953	12%
Amajyepfo	Nyaruguru	13578	12458	1120	9%
Amajyepfo	Ruhango	11288	10058	1230	12%
Iburasirazuba	Bugesera	296	712	-416	-58%
Iburasirazuba	Gatsibo	20367	21563	-1196	-6%
Iburasirazuba	Kayanza	9039	13320	-4281	-32%
Iburasirazuba	Kirehe	2595	3708	-1113	-30%
Iburasirazuba	Ngoma	386	781	-394	-50%
Iburasirazuba	Nyagatare	14671	20452	-5782	-28%
Iburasirazuba	Rwamagana	1888	2263	-375	-17%
Iburengerazuba	Karongi	24704	21497	3208	15%
Iburengerazuba	Ngororero	15829	13930	1898	14%
Iburengerazuba	Nyabihu	5094	4228	867	20%
Iburengerazuba	Nyamasheke	19072	16168	2904	18%
Iburengerazuba	Rubavu	5696	4706	989	21%
Iburengerazuba	Rusizi	5466	4775	692	14%
Iburengerazuba	Rutsiro	13748	12375	1373	11%
Umujiyi wa Kigali	Gasabo	4012	3721	291	8%
Umujiyi wa Kigali	Nyarugenge	1726	1603	123	8%
Total		411518	373187	38331	10%

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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