

AAGWa Crop Production Forecasts Brief Series

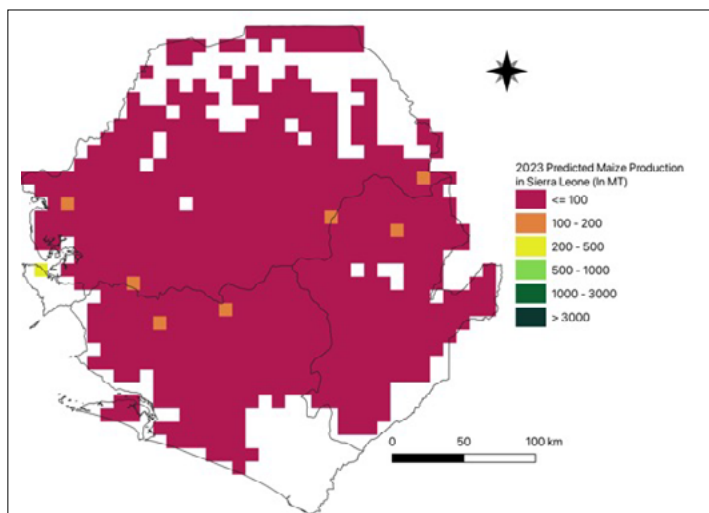
Sierra Leone – Maize

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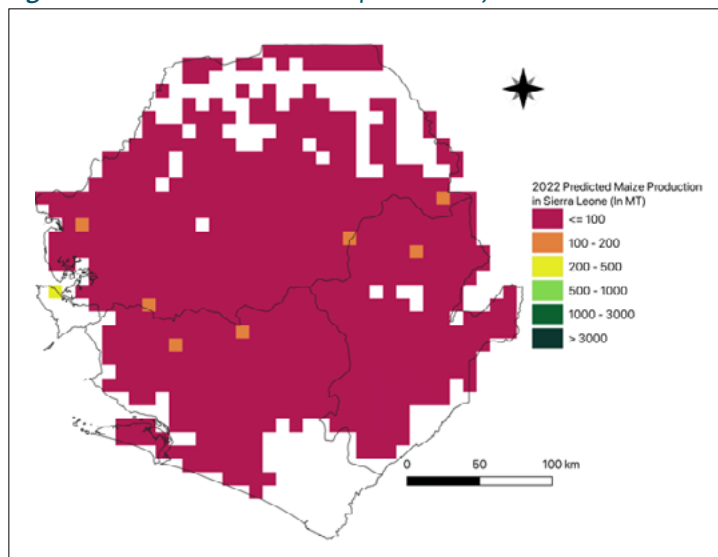
The crop production forecast brief series by AKADEMIYA2063's Africa Agriculture Watch (AAGWa) aims to provide more accurate and timely data on harvest and yields for nine major crops across nearly 50 African countries. The timeliness, wide availability, and easy access to this type of data will allow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

Figure 1. Sierra Leone 2023 maize production forecast.



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

Figure 2. Sierra Leone 2022 maize production forecast.



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

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 74, we provide forecasts on maize production in Sierra Leone.

In 2023, maize production in Sierra Leone is projected to reach 22,579 metric tons (MT), indicating a 9% increase over 2022 production levels. The most significant production levels are expected in areas such as Moyamba (Southern), Tonkolili (Northern), Koinadugu (Northern), and Port Loko (Northern), with production levels estimated at 3,453 MT, 2,702 MT, 2,671 MT, and 2,133 MT, respectively. In comparison, lower production volumes are observed in Pujehun (Southern), Western Rural (Western), Kailahun (Eastern), and Bonthe (Southern), with production levels reaching only, 40 MT, 272 MT, 1,134 MT, and 1,222 MT, respectively.

Moreover, the most significant maize production increases in 2023 are expected to occur in Moyamba, Tonkolili, Port Loko, Bombali, and Kambia with differences reaching, 372 MT, 292 MT, 263 MT, 186 MT, and 164 MT. These correspond to changes of, respectively, 12%, 12%, 14%, 10%, and 13%.

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Annex – 2023 Sierra Leone Maize Production Forecast at District level

Provinces	Districts	2023 Production (MT)	2022 Production (MT)	Difference (MT)	Change (%)
Eastern	Kailahun	1134	1068	67	6%
Eastern	Kenema	1550	1435	115	8%
Eastern	Kono	2077	1996	81	4%
Northern	Bombali	2050	1863	186	10%
Northern	Kambia	1409	1245	164	13%
Northern	Koinadugu	2671	2641	30	1%
Northern	Port Loko	2133	1870	263	14%
Northern	Tonkolili	2702	2410	292	12%
Southern	Bo	1866	1712	155	9%
Southern	Bonthe	1222	1134	89	8%
Southern	Moyamba	3453	3081	372	12%
Southern	Pujehun	40	35	5	13%
Western	Western Rural	272	295	-22	-8%
Total		22579	20783	1796	9%

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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