Africa Agriculture Watch
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AAgWa Crop Production Forecasts Brief Series

Madagascar – Maize

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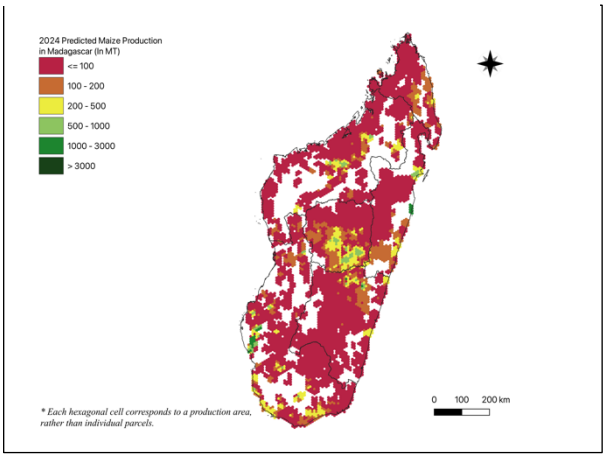
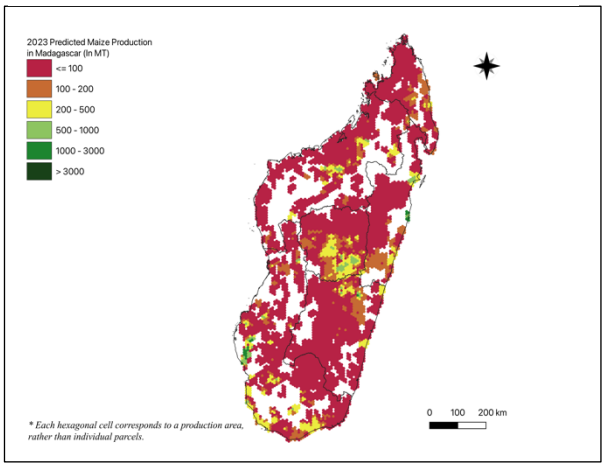
The crop production forecast brief series by AKADEMIYA2063's Africa Agriculture Watch (AAgWa) aims to provide more accurate and timely data on harvest and yields for nine major crops across nearly 50 African countries. The timeliness, wide availability, and easy access to this type of data will allow 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 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 112, we provide forecasts on maize production in Madagascar.

Figure 1. *Madagascar 2024 Maize production forecast.*



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

Figure 2*. Madagascar 2023 Maize production forecast.*



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

In 2024, maize production in Madagascar is projected to reach 269,738 metric tons (MT), corresponding to a 4% increase over 2023 production levels.

The most significant maize production volumes are expected in regions such as Atsimo-Andrefana (Toliary), Vakinankaratra (Antananarivo), Itasy (Antananarivo), Boeny (Mahajanga), and Sofia (Mahajanga), with production levels estimated at 43,641 MT, 42,160 MT,18,037 MT, 16,623 MT, and 15,164 MT respectively. In comparison, lower production values are observed in areas such as Ihorombe (Fianarantsoa), Atsimo-Atsinana (Fianarantsoa), Analamanga (Antananarivo), Diana (Antananarivo), Anosy (Toliary), and Betsiboka (Mahajanga) with production volumes of respectively, 220 MT, 620 MT, 2,811 MT, 2,875 MT, 3,436 MT, and 4,107 MT.

Compared to 2023, the most significant maize production increases in 2024 are expected to occur in Bongolava (Antananarivo), Boeny, Sofia, Analanjirofo (Toamasina), and Diana with differences of respectively, 2,275 MT, 1,848 MT, 1,472 MT, 1,096 MT, and 1,072 MT, respectively. These correspond to changes of, respectively, 22%, 13%, 11%, 22%, and 59%.

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Annex – 2024 Madagascar Maize Production Forecast at District level

Provinces	Regions	2024 Production (MT)	2023 Production (MT)	Difference (MT)	Change (%)
Antananarivo	Analamanga	2811	2670	141	5%
Antananarivo	Bongolava	12743	10468	2275	22%
Antananarivo	Itasy	18037	17049	988	6%
Antananarivo	Vakinankaratra	42160	41128	1033	3%
Antsiranana	Diana	2875	1803	1072	59%
Antsiranana	Sava	11368	11010	358	3%
Fianarantsoa	Amoron'i mania	14683	14628	55	0%
Fianarantsoa	Atsimo-Atsinana	620	670	-50	-7%
Fianarantsoa	Haute matsiatra	5741	6213	-472	-8%
Fianarantsoa	Ihorombe	220	224	-4	-2%
Fianarantsoa	Vatovavy Fitovinany	14508	13815	694	5%
Mahajanga	Betsiboka	4107	3222	885	27%
Mahajanga	Boeny	16623	14774	1848	13%
Mahajanga	Melaky	4507	4017	490	12%
Mahajanga	Sofia	15164	13692	1472	11%
Toamasina	Alaotra-Mangoro	6263	6096	166	3%
Toamasina	Analanjirofo	5999	4904	1096	22%
Toamasina	Atsinanana	14208	13414	794	6%
Toliary	Androy	14991	17172	-2181	-13%
Toliary	Anosy	3436	3993	-558	-14%
Toliary	Atsimo-Andrefana	43641	44819	-1178	-3%
Toliary	Menabe	15032	14712	320	2%
Total		**269738**	**260494**	**9245**	**4%**

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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