

AAGWa Crop Production Forecasts Brief Series

Madagascar – Wheat

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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

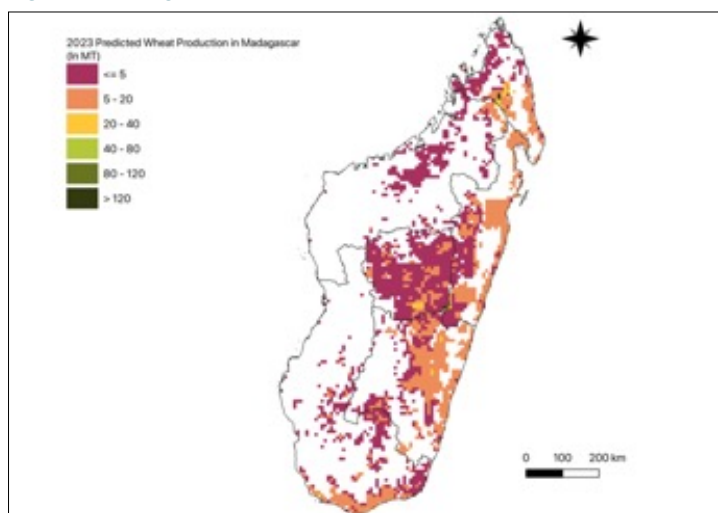
Intelligence (AI-based) model applied to remotely sensed geo-biophysical data to produce estimates at pixel as well as administrative levels as early as the beginning of every growing season. In Brief 81, we provide forecasts on wheat production in Madagascar.

In 2023, wheat production in Madagascar is expected to reach 15,656 metric tons (MT), which corresponds to a 27% increase over 2022 production levels. The highest wheat producers are expected to be regions including Sava (Antsiranana), Vakinankaratra (Antsiranana), Alaotra-Mangoro (Toamasina), Vatovavy Fitovinany (Fianarantsoa), and Atsinanana (Toamasina), with production levels estimated at respectively, 1,497 MT, 1,323 MT, 1,099 MT, 1,091 MT, and 926 MT.

In contrast, production is projected to be lowest in areas such as Melaky (Mahajanga), Menabe (Toliary), Betsiboka (Mahajanga), Ihorombe (Fianarantsoa), and Itasy (Antananarivo) with levels of respectively, 32 MT, 53 MT, 118 MT, 331 MT, and 397 MT.

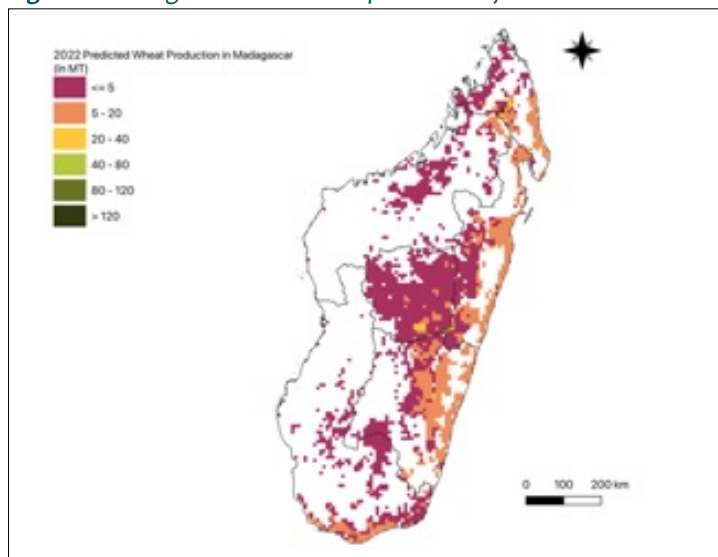
Compared to 2022, the most significant wheat production increases are expected to occur in regions such as Atsimo-Andrefana (Toliary), Bongolava (Antananarivo), Vakinankaratra, Anosy (Toliary), and Androy (Toliary) with differences of respectively, 372 MT, 337 MT, 318 MT, 286 MT, and 256 MT. These represent changes of respectively, 88%, 94%, 32%, 52%, and 40%.

Figure 1. Madagascar 2023 wheat production forecast.



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

Figure 2. Madagascar 2022 wheat production forecast.



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

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Annex – 2023 Madagascar Wheat Production Forecast at District level

Provinces	Regions	2023 Production (MT)	2022 Production (MT)	Difference (MT)	Change (%)
Antananarivo	Analamanga	838	642	196	31%
Antananarivo	Bongolava	695	358	337	94%
Antananarivo	Itasy	397	250	148	59%
Antananarivo	Vakinankaratra	1323	1005	318	32%
Antsiranana	Diana	579	488	91	19%
Antsiranana	Sava	1497	1286	211	16%
Fianarantsoa	Amoron'i mania	699	570	129	23%
Fianarantsoa	Atsimo-Atsinana	664	633	31	5%
Fianarantsoa	Haute matsiatra	823	676	147	22%
Fianarantsoa	Ihorombe	331	187	144	77%
Fianarantsoa	Vatovavy Fitovinany	1091	1084	7	1%
Mahajanga	Betsiboka	118	73	45	61%
Mahajanga	Boeny	416	238	178	75%
Mahajanga	Melaky	32	17	14	82%
Mahajanga	Sofia	865	641	224	35%
Toamasina	Alaotra-Mangoro	1099	1008	90	9%
Toamasina	Analanjirifo	689	640	49	8%
Toamasina	Atsinanana	926	872	54	6%
Toliary	Androy	889	633	256	40%
Toliary	Anosy	836	550	286	52%
Toliary	Atsimo-Andrefana	796	424	372	88%
Toliary	Menabe	53	26	26	99%
Total		15656	12302	3354	27%

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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