AAgWa Crop Production
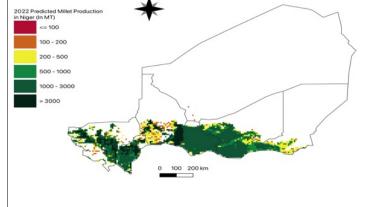## Forecasts Brief Series
Niger – Millet

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No. 06, February 2023

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 6, we provide forecasts on Millet production in Niger.
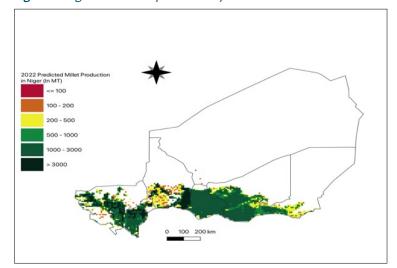
Figure 1. *Niger 2022 millet production forecast.*

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

In 2022, millet production in Niger was projected to reach 3,898,707 metric tons, equivalent to an increase of 260,231 MT over 2021 production levels. The highest production levels are expected in Dakoro (Maradi), Tanout (Zinder), Ouallam (Tillabéry), Téra (Tillabéry), and Dosso, with production values evaluated at 298,520 MT, 237,802 MT, 227,039 MT, 210,353 and 199,156 MT, respectively. On the other hand, lower production levels compared to 2021 are observed in districts such as Tchighozerine (Agadez), Niamey, N'Guigmi (Diffa), Diffa, and Illéla (Tahou), with 569, 4,090, 7,012, 12,086 and 31,309 metric tons, respectively.

However, the most significant increases in the production levels compared to 2021 are expected in Dakoro (Maradi), Tanout (Zinder), Mirriah (Zinder), Gouré (Zinder), and Dosso evaluated at 23,456 MT, 20,778 MT, 19,062 MT, 15,145 MT and 14,473 MT, respectively.

Figure 2. *Niger 2021 millet production forecast.*

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

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Annex – 2022 Niger Millet Production Forecast at District level

Regions	Department	2022 Prod (MT)	2021 Prod (MT)	Absolute Difference (MT)	Relative Difference (%)
Agadez	Tchighozerine	569	576	-7	-1%
Diffa	Diffa	12086	12009	76	1%
Diffa	Maïné-Soroa	94493	86902	7591	9%
Diffa	N'Guigmi	7012	6762	251	4%
Dosso	Boboye	94003	86731	7272	8%
Dosso	Dogon-Doutchi	175145	164691	10453	6%
Dosso	Dosso	199156	184683	14473	8%
Dosso	Gaya	67482	56751	10731	19%
Dosso	Loga	117624	111285	6339	6%
Maradi	Aguié	63288	59844	3444	6%
Maradi	Dakoro	298520	275064	23456	9%
Maradi	Groumdji	111496	103090	8405	8%
Maradi	Madarounfa	59537	54693	4844	9%
Maradi	Mayahi	172624	161131	11493	7%
Maradi	Tessaoua	133609	125789	7820	6%
Niamey	Niamey	4090	3581	509	14%
Tahoua	Bkonni	59433	54710	4723	9%
Tahoua	Bouza	129031	125829	3202	3%
Tahoua	Illéla	31309	28072	3236	12%
Tahoua	Keita	112058	107830	4228	4%
Tahoua	Madaoua	171834	168235	3599	2%
Tahoua	Tahoua	118665	113368	5297	5%
Tahoua	Tchin-Tabarade	110733	105999	4735	4%
Tillabéry	Filingué	72480	68704	3775	5%
Tillabéry	Kollo	158416	147872	10544	7%
Tillabéry	Ouallam	227039	216121	10918	5%
Tillabéry	Say	37776	33808	3968	12%
Tillabéry	Téra	210353	200561	9791	5%
Tillabéry	Tillabéry	89444	84917	4527	5%
Zinder	Gouré	181175	166030	15145	9%
Zinder	Magaria	116594	104659	11935	11%
Zinder	Matameye	32364	28750	3614	13%
Zinder	Mirriah	191466	172404	19062	11%
Zinder	Tanout	237802	217025	20778	10%
Total		3898707	3638476	260231	7%

Notes: MT (Metric ton): 1 MT is equivalent to 1,000 kilograms
Absolute Difference: 2022 Prod – 2021 Prod
Relative Difference: (2022 – 2021) / 2021