



# PROGRAMME REGIONAL DE PRODUCTION INTEGREE DU COTON EN AFRIQUE

Bénin, Burkina Faso, Cameroun,  
Côte d'Ivoire, Mali, Sénégal,  
Tchad et Togo

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#### 2022/2023 COTTON SEASON IN THE PR-PICA COUNTRIES

**Satisfactory installation for some  
and difficult for others**

2022/2023 cotton season in the PR-PICA countries is off to a satisfactory start for some countries and difficult for others. The rains that began in May in most countries (except Senegal), continued with good quantities of water recorded in June.

The fairly favorable rainfall obtained in June had a positive impact on the level of sowing in the countries with relatively high sowing rates as of June 30 compared to forecasts, except for Tchad (49.4%) and Togo (25.6%). The latter country is experiencing difficulties due mainly to competition from soybean crops.

The varieties of cotton grown differ from one country to another. For the same country, the varieties cultivated have been almost the same for several seasons, although some new varieties have been registered in Côte d'Ivoire and Cameroon.

The sale prices of insecticides and herbicides also differ from one country to another. Compared to last season, these prices are stable or slightly up.

# RAINFALL DATA, 2022/2023 SEASON

## Rainfall for the month of may 2022

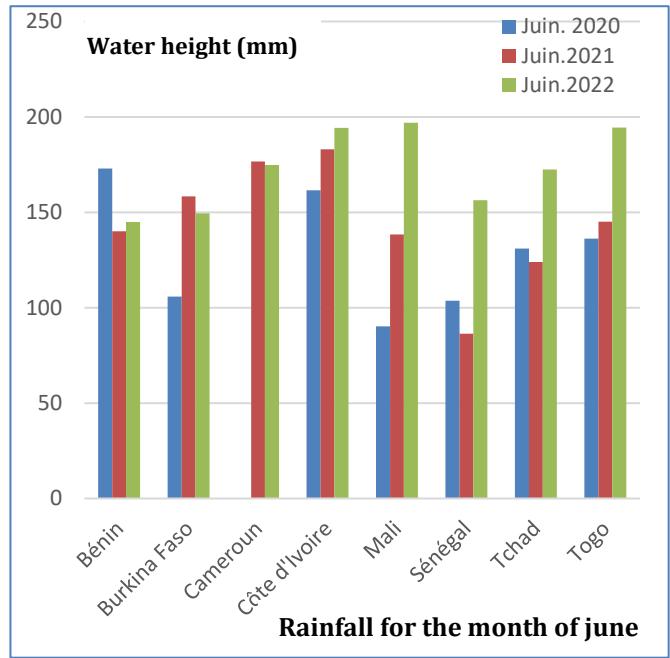
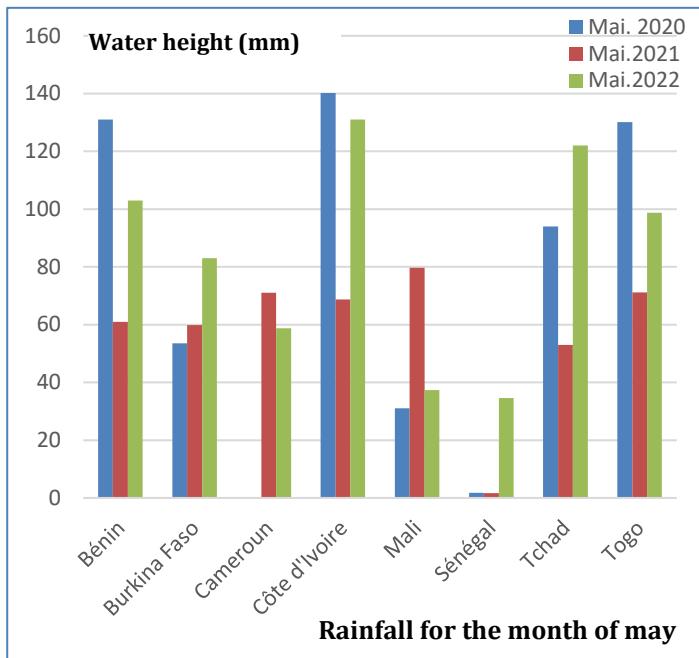
Agro-ecological zones	Decade	Bénin		Burkina Faso		Cameroon		Côte d'Ivoire		Mali		Sénégal		Tchad		Togo	
		nber days	height (mm)	nber days	height (mm)	nber days	height (mm)	nber days	height (mm)	nber days	height (mm)	nber days	height (mm)	nber days	height (mm)	nber days	height (mm)
Dry zone/ North	Decade 1	1	9,1	1	23,3	2	8	2	91	2	17	0	0,0	3	36,1	2	20,2
	Decade 2	2	33,4	2	23,9	3	30	1	30	0	0	0	0,0	5	98,3	2	36,7
	Decade 3	2	29,4	2	27,0	0	0	1	32	1	15	1	20,4	5	64,2	3	42,9
	Total	5	71,9	5	74,3	5	38	4	153	3	32	1	20,4	13	198,6	7	99,8
Median zone/ Center	Decade 1	2	28,6	1	13,1	2	24	1	15	0	0	0	0,0	1	19	1	32,1
	Decade 2	1	19,2	3	54,0	2	40	0	0	0	0	0	0,0	2	38,5	2	20,4
	Decade 3	2	26,0	1	22,3	1	15	4	69	4	37	3	51,3	1	20	2	29,5
	Total	5	73,8	5	89,4	5	79	5	84	4	37	3	51,3	4	77,5	5	81,9
Humid zone South	Decade 1	3	58,3	1	31,9	1	12	2	13	2	21	0	1,6	1	39	4	51,2
	Decade 2	2	20,2	1	13,4	1	8	1	7	2	14	0	0,0	2	27	1	7,6
	Decade 3	7	84,6	3	40,0	4	39	7	136	1	8	3	30,6	2	23	2	55,9
	Total	12	163,2	5	85,3	6	59	10	156	5	43	3	32,2	5	89,0	7	114,7
AVERAGE MAY 2022		7	103	5	83	5	58,7	6	131	4	37,3	2	34,6	7	122	6	98,8
RAINFALL DISTRIBUTION		XX		XX		XX		XX		XX		X		XX		XX	

X= Low distribution. XX : Average distribution. XXX : Good distribution

## Rainfall for the month of june 2022

Agro-ecological zones	Décade	Bénin		Burkina Faso		Cameroon		Côte d'Ivoire		Mali		Sénégal		Tchad		Togo	
		nber days	height (mm)	nber days	height (mm)	nber days	height (mm)	nber days	height (mm)	nber days	height (mm)	nber days	height (mm)	nber days	height (mm)	nber days	height (mm)
Dry zone/ North	Decade 1	2	34,7	2	19,3	0	0	2	21	2	44	3	46,1	2	23	3	50,4
	Decade 2	4	56,0	3	42,4	5	113	6	86	4	71	2	38,6	3	87	3	62,5
	Decade 3	3	60,4	2	36,3	2	53	2	70	4	104	2	43,8	3	74	3	49,8
	Total	9	151,1	7	98,0	7	166	10	177	10	219	6	128,4	8	183,4	9	162,7
Median zone/ Center	Decade 1	2	42,8	1	13,8	1	8	4	73	1	16	2	46,9	2	41,4	1	19,7
	Decade 2	3	48,0	3	50,7	3	65	3	48	4	69	3	50,8	3	72,4	4	89,5
	Decade 3	3	67,4	2	44,1	4	116	5	101	5	96	2	46,7	2	53,8	3	74,7
	Total	8	158,2	6	108,6	8	189	12	222	10	181	7	144,3	7	167,6	8	183,8
Humid zone South	Decade 1	3	53,5	2	36,5	0	0	3	17	2	64	2	32,3	2	53,3	2	32,4
	Decade 2	1	11,1	6	117,3	5	92	6	144	3	57	5	76,1	3	48,8	4	103,6
	Decade 3	3	60,2	4	88,1	5	77	2	23	3	70	5	88,1	3	64,2	3	100,6
	Total	7	124,8	12	241,9	10	169	11	184	8	191	11	196,5	8	166,4	9	236,5
AVERAGE JUNE 2022		8	145	8	149,5	8	174,7	11	194,3	9	197,0	8	156,4	8	172,5	9	194,4
RAINFALL DISTRIBUTION		XX		XXX		X		XX		XXX		XXX		XX		XXX	

X= Low distribution. XX : Average distribution. XXX : Good distribution



### Rainfall in May and June 2022 compared to the last two seasons

The rainfall recorded in the countries in May 2022 was low to high, ranging from 34.6 mm in Senegal to 122 mm in Tchad. The last decade of May was wetter in all countries. This situation allowed for early sowing in some countries.

The distribution of rainfall was low to average depending on the country, ranging from 2 days in Senegal to 7 days in Benin and Tchad.

Compared to the rainfall in May of the previous season (2021/2022), the quantities of water recorded this year for the same month are increasing in Benin (+42 mm), Burkina Faso (+23.2 mm), Côte d'Ivoire (62.3 mm), Senegal (+32.9 mm), Tchad (+69 mm) and Togo (+27.6 mm). On the other hand, there was a decrease in Cameroun (-12.3 mm) and Mali (-42.4 mm).

As for the month of June 2022, it was rainy in all countries, with quantities of water between 100 and 200 mm.

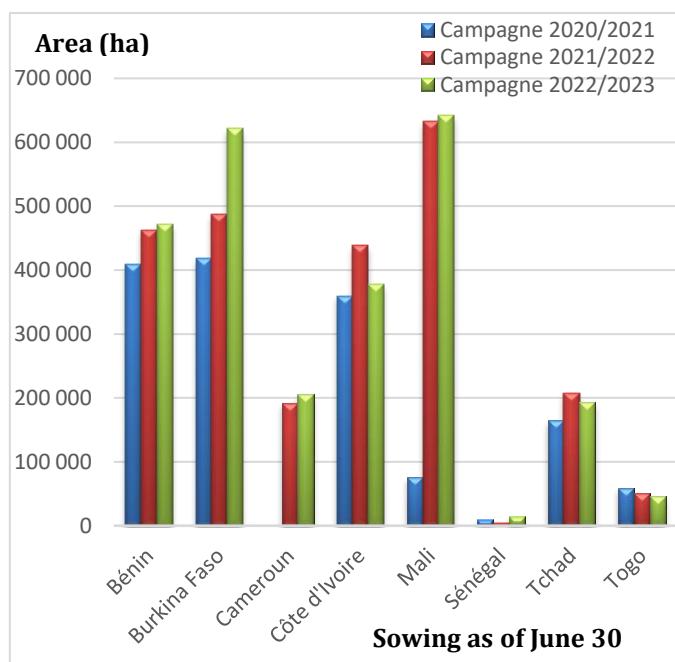
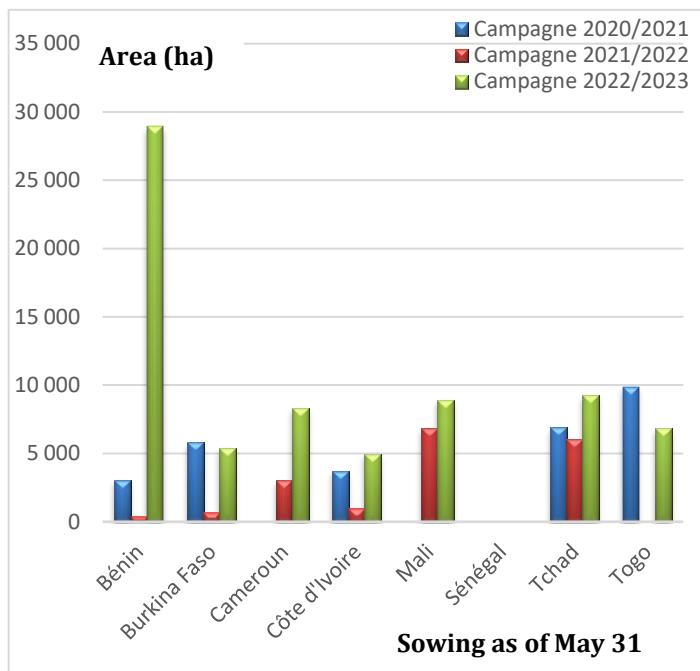
The rainfall distribution was bad to good ranging from 8 to 9 days depending on the country.

On the whole, rainfall was favorable, which allowed countries to sow as many crops as possible during the month of June.

Compared to the rainfall in June of the previous season (2021/2022), an increase in water levels was noted in Benin (+5 mm), Côte d'Ivoire (+11.3 mm), Mali (+58.7 mm), Senegal (+70 mm), Chad (+48.5 mm) and Togo (+49.3 mm) for the month of June 2022. However, a decrease was recorded in Burkina Faso (-8 mm) and Cameroun (-2 mm).

## AREA SOWN, 2022/2023 SEASON

	Bénin	Burkina Faso	Cameroun	Côte d'Ivoire	Mali	Sénégal	Tchad	Togo
<b>FORECAST 2022/2023 SEASON (ha)</b>	663 230	714 542	235 000	452 500	760 000	25 000	391 116	180 000
<b>TOTAL area sown as of May 31, 2022 (ha)</b>	28 939	5 395	8 316	4 948	8 909	0	9 269	6 830
<b>Implementation rate as of May 31, 2022 (%)</b>	4,4	0,8	3,5	1,1	1,2	0	2,5	3,8
<b>TOTAL area sown as of June 30, 2022 (ha)</b>	471 815	622 097	205 220	377 248	641 713	13 943	193 389	46 044
<b>Implementation rate as of June 30, 2022 (%)</b>	71,1	87,1	87,3	83,4	84,4	55,8	49,4	25,6



### Areas sown compared: 2020/2021, 2021/2022 and 2022/2023 season

In May, the areas sown were low in all countries compared to the season's forecasts, with rates ranging from 0% in Senegal to 4.4% in Benin.

Compared to the May sowings of the previous season (2021/2022), there was an increase in the area sown for this season in all countries except Senegal, which did not have any sowings. The largest increase is obtained by Benin with more than 28,551 ha sown compared to the previous season. This situation is due to fairly favorable rainfall recorded in the last decade of May in most countries. These sowings are considered early in all countries, with a risk of cotton boll rot if the rains are prolonged at the end of the cycle.

As of June 30, 2022, a low to good sowing rate was noted, ranging from 25.6% in Togo to 87.3% in Cameroun. Taking into account the stratification of cotton emergence, the situation as of June 30 seems satisfactory in all countries, except for Chad and especially Togo, which is experiencing difficulties due essentially to competition from soybean production.

Good rainfall was recorded in all the countries during the month of June, which allowed these fairly satisfactory sowings.

Compared to the 2021/2022 campaign, it is noted for this campaign on the same date of June 30, an increase in sowing in Benin (+8,952 Ha), in Burkina Faso (+135,194 Ha), in Cameroun (+ 13,141 Ha), in Mali (+8,651 Ha) and in Senegal (+9,037 Ha). On the other hand, a decrease was recorded in Côte d'Ivoire (-61,054 Ha), Chad (-14,560 Ha) and Togo (-5,084 Ha).

Referring to the last three campaigns, the trend for sowing as of June 30 is on the rise, particularly in Benin and Burkina Faso. However in Togo, the trend is downward with each season. The month of July, if it offers favorable rainfall, could allow the various countries to achieve the sowing objectives.

**NB: the final situation of sowing will not be known until the end of July 2022. Sowing will continue in all countries until July in accordance with the schedule below.**

Seedling stratification	Bénin	Burkina Faso	Cameroun	Côte d'Ivoire	Mali	Sénégal	Tchad	Togo
Early	North: Before May 20	Before June 10	Before June 10	Before June 1	Before June 20	Before June 30	May 25 to June 10	North: Before June 1
	Center : Before June 10							South: Before June 10
	South: Before June 25							South: Before June 10
Intermediate	North: May 20 to June 20	June 10 to June 30	June 10 to July 10	June 1st to June 30th	June 21 to July 10	July 1st to 15th	June 11 to July 10	North: June 1 to 30
	Center: June 10 to July 05							South: June 10 to July 20
	South: June 25 to July 10							South: June 10 to July 20
Late	North: After June 20	After June 30th	After July 10th	After June 30	After July 10th	After July 15	After July 10	North: After June 30
	Center: After July 05							South: After July 20
	South: After July 10							South: After July 20

## COTTON VARIETIES GROWN, 2022/2023 SEASON

	Bénin	Burkina Faso	Cameroun	Côte d'Ivoire	Mali	Sénégal	Tchad	Togo
VARIETIES	- ANG 956 - OKP 768 - KET 782	- FK 37 - FK 64 - STAM 59 A	- IRMA Q302 - IRMA A2249 - IRMA A2188 - IRMA A2262 - IRMA D2139 - IRMA Z2347	- SICAMA VIR - GOUASSOU FUS - CI-123 - CI-128 - BA 440	- NTA MS 334 - NTA 93-15 - STAM 279-A - G440	- STAM 129 A	- A51 - IRMAQ 302 - STAMF	- STAM 129 A - STAM 190

The cotton varieties grown for this 2022/2023 season differ from one country to another, except for STAM, which is found in Burkina Faso, Mali, Senegal, Tchad and Togo. In most countries, the varieties grown have been almost the same for several seasons. However, the introduction of new varieties is noted for this season:

- IRMA A2262 and IRMA D2139 in Cameroun (under multiplication);
- CI-123, CI-128 and BA 440 in Côte d'Ivoire.

As a reminder, within the framework of PR-PICA activities, trials to evaluate the agro-technological potential of the varieties of the Program's countries have been carried out since the 2016/2017 season until the 2020/2021 season. At the end of these trials, crosses of the said varieties were carried out in Togo and Côte d'Ivoire during the 2021/2022 season.

The results showed that a total of 257 hybrids were created, including 182 hybrids in Côte d'Ivoire and 75 hybrids in Togo.

The seeds of the F1 hybrids created in Côte d'Ivoire were distributed to member countries at the end of March 2022 for the continuation of the breeding program.

As for Togo, the seeds of the F1 hybrids created, are in self-pollinated multiplication and will be distributed to the country at the end of the 2022/2023 season.

In perspective, it is planned :



***Varietal creation trial of PR-PICA at the Kolokopé station in Togo in September 2021***

- the production of F2 (AF) seeds in all the PR- PICA countries for this 2022/2023 season;
- the multilocal evaluation of broodstock and segregated populations from the 2023/2024 season;
- the molecular characterization (genotyping) of the genetic material;
- the continuation of selection in each member country in order to identify suitable genotypes.

## INSECTICIDE AND HERBICIDE PRICES, 2022/2023 SEASON

	Bénin	Burkina Faso	Cameroun	Côte d'Ivoire	Mali	Sénégal	Tchad	Togo
Insecticide (FCFA/Ha/Treatment)	7 000	3 800 et 7 000	not yet fixed	not yet fixed	4 240	4 788	2 296 à 12 084	3 000 à 4 800
Herbicide (FCFA/L or in FCFA/Ha)	Pre-emergence	7 011 F/L (2 L/Ha)	5 350 à 10 690 F/Ha	5 600 F/Ha	not yet fixed	6 785 F/L	10 550 F/Ha	4 142 F/L
	Post-emergence	7 011 F/L (1,5 L/Ha)	7 500 à 11 800 F/Ha	12 000 F/Ha	not yet fixed	7 860 F/L	6 633 à 9 495 F/Ha	-
	Total	3 500 F/L (3 L/Ha)	6 000 à 10 000 F/Ha	-	not yet fixed	3 415 F/L	-	2 200 F/L