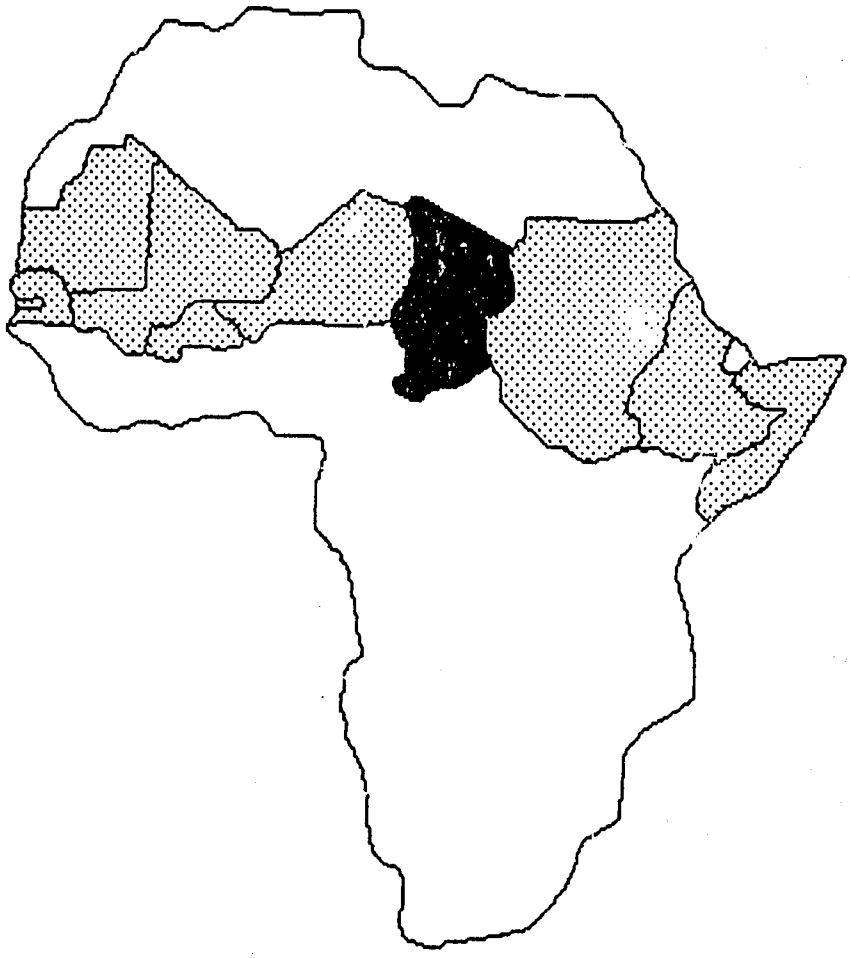
RESOURCE MANUAL

CHAD

PNABG614

APRIL 1986



RECUEIL DES DOCUMENTS DE BASE

TCHAD

AVRIL 1986

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION (NOAA)
NATIONAL ENVIRONMENTAL SATELLITE, DATA AND INFORMATION SERVICE (NESDIS)
ASSESSMENT AND INFORMATION SERVICES CENTER (AISC-COLUMBIA)
COOPERATIVE INSTITUTE FOR APPLIED METEOROLOGY (CIAM)

RESOURCE MANUALS: INTRODUCTION

These Resource Manuals were prepared to provide important background information on individual countries for assessors and other users. They contain information such as administrative boundaries and station locations, grid divisions used in our assessments, physical geography information and crop distribution data. Transparencies have been used so all information can be overlayed and compared with other data. In addition, there are various meteorological and agricultural statistics included in the back for informational purposes. French translations for all terms used on the transparencies are located on the next page.

The information for these manuals was obtained from various atlases, published literature and in-country reports. Additionally, Sahel Assessment Training Course Participants reviewed the information and provided changes and additions which were incorporated into this version. It must be kept in mind, however, that these data are somewhat subjective and can also vary greatly from year to year. Continual adjustments and updates must be made to obtain the best possible data for making assessments.

LES MANUELS DE RESSOURCE: INTRODUCTION

Ces Manuels de Ressource ont été préparés pour fournir aux évaluateurs et aux autres utilisateurs de l'information de fond importante. Ces manuels contiennent de l'information sur les frontières administratives et les emplacements des stations, les divisions de grille utilisées dans nos évaluations, de l'information sur la géographie physique et les données sur la distribution des cultures. On a utilisé des transparences pourque toute l'information puisse être recouverte et comparée avec les autres données. En plus, il y a de diverses statistiques météorologiques et agricoles inclues à la fin du manuel au but informatif. Les traductions françaises pour tous les termes utilisés aux transparences sont trouvées à la page suivante.

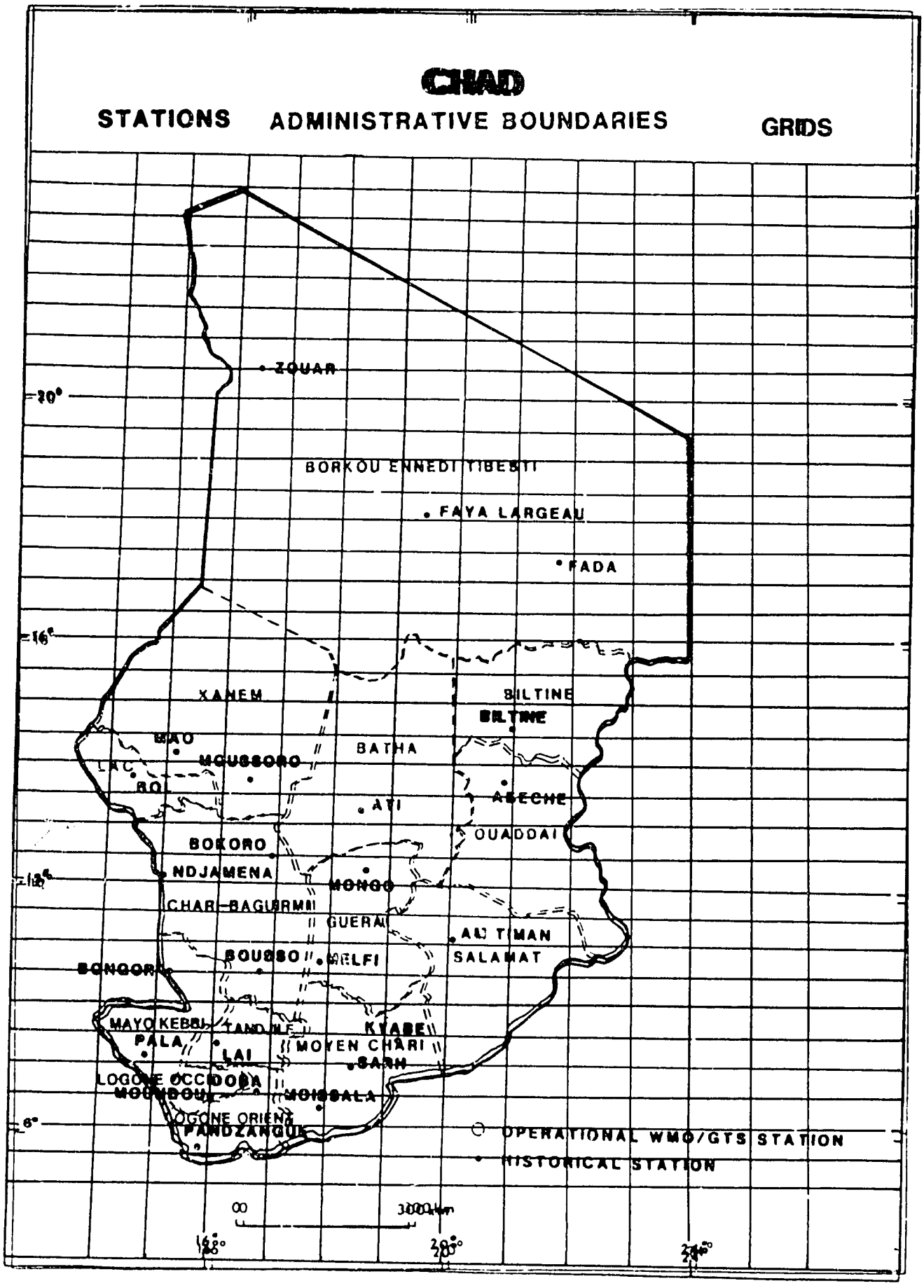
On a obtenu l'information pour ces manuels de divers atlas, de la littérature publiée et des rapports produits aux pays eux-mêmes. En plus, les Participants du Cours d'Instruction de l'Evaluation du Sahel ont revu l'information et ils ont fourni des changements et des additions qu'on a incorporés dans cette version. Il ne faut pas oublier, cependant, que ces données soient assez subjectives et puissent varier beaucoup d'année en année. Les ajustements et les mises à jour continuels doivent être faits au but d'obtenir les meilleurs données possibles pour faire des évaluations.

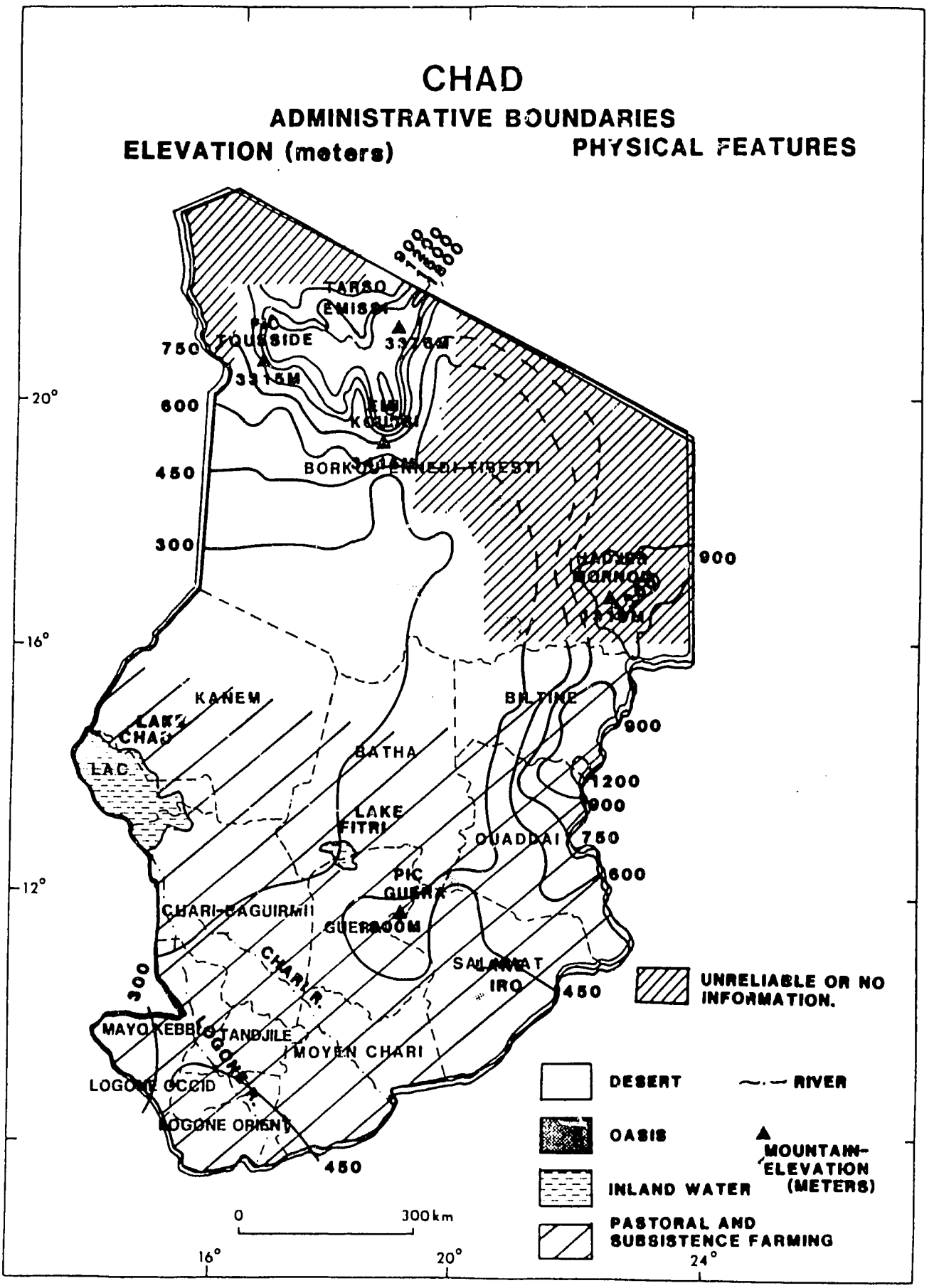
ENGLISH-FRENCH TRANSLATIONS/TRADUCTIONS ANGLAIS-FRANCAIS

English	Français
General Terms:	**Termes Généraux:**
International Boundaries	Frontières internationales
Administrative Boundaries	Limites administratives
Administrative Departments	Départements
Administrative Provinces	Provinces
District	District
Region	Région
County	Arrondissement
Foot (Ft.)	Pied
Grids	Grilles
Histograms	Histogrammes
Historical Station	Station (Données historiques disponibles)
Meters	Mètres
Month	Mois
Operational WMO/GTS Station	Station synoptique opérationelle
Provinces	Provinces
Stations	Stations
Under	Sous
Physical Feature Terms:	**Termes des détails physiques:**
Agriculture	Agriculture
All contours begin with 300 m and increase with 300 m increments	Toutes les courbes de niveau commencent à 300 m et augmentent par pas de 300 m
Desert	Désert
Elevation (m)	Altitude (m)
Farming	Agriculture
Forest	Forêt
Inland Water	Cours d'eau, lacs et marres
Land Use	Utilisation des sols
Mountain	Montagne
Non-Agricultural Zone	Zones non-agricoles
Oasis	Oasis
Subsistence and Pastoral Agriculture	Cultures vivrières et pâturages
Physical Features	Détails physiques
Crops:	**Cultures:**
Vegetables	Maraichage
Cotton	Coton
Cowpeas	Niébé
Wheat	Blé
Groundnuts	Arachides
Maize	Maïs
Millet	Mil
Rice	Riz

ENGLISH-FRENCH TRANSLATIONS/TRADUCTIONS ANGLAIS-FRANCAIS

English	Français
Crops: (con't)	**Cultures: (suite)**
Sorghum	Sorgho
Subsistence Crops	Cultures alimentaires
Receding Floodwater Crops	Cultures de décrue
Planting: Months	Semis: mois
Harvesting: Months	Récolte: mois
Vegetation	**Végétation**
Saharian Area	Domaine saharien
Sparse vegetation	Végétation rare
Sahelian Area	Domaine sahélien
Bush and spiny steppe	Buissons et épineux
Shrubs	Arbustes
Woody steppe with scattered trees and grass	Steppe arborée - arbustive et graminées
Soudanian Area	Domaine soudanien
Woody savannah with scattered trees	Savanne arborée - arbustive
Soudano-Guinean Area	Domaine soudan-guinéen
Savannah and sparse forest	Savanne et forêt claire
Special Landscape	Formation spéciale
Periodically flooded area vegetation	Végétation en milieu périodiquement inondé
National Park and Forest Reserves	Parc national et réserve forestière


CHAD
STATIONS
ADMINISTRATIVE BOUNDARIES
GRIDS
ZOUAR
20°
BORKOU ENNEDI TIBESTI
FAYA LARGEAU
FADA
16°
XANEM
BILTINE
BILTINE
BAO
BATHA
MOUSSORO
LAC
BOL
ATI
ABECHE
OUADDAI
BOKORO
NDJAMENA
12°
MONGO
CHAR-BAGUIRMI
GUERA
ATI TIMAN
SALAMAT
BOUSSO
MELFI
BONGOR
MAYO KEBBI
TANDJILE
KYABE
PALA
LAI
MOYEN CHARI
SARH
LOGONE OCCIDENTAL
MOUNDOU
MOISSALA
LOGONE ORIENTAL
PANDZANGUE
8°
OPERATIONAL WMO/GTS STATION
HISTORICAL STATION
00
300 km
16°
20°
24°


CHAD
ADMINISTRATIVE BOUNDARIES
ELEVATION (meters)
PHYSICAL FEATURES
TARSO
EMISSI
PIC
TOUSSIDE
3315M
750
600
450
300
900
20°
16°
12°
KANEM
LAKE CHAD
LAC
BATHA
LAKE FITRI
BILTINE
1200
900
750
600
450
OUADDAI
PIC GUERA
GUERA
CHARI-BAGUIRMI
CHARI
SALAMAT
IRO
MAYO KEBBI
TANDJILE
MOYEN CHARI
LOGONE
LOGONE OCCID
LOGONE ORIENT
UNRELIABLE OR NO INFORMATION.
DESERT
RIVER
OASIS
MOUNTAIN-ELEVATION (METERS)
INLAND WATER
PASTORAL AND SUBSISTENCE FARMING
0
300km
16°
20°
24°

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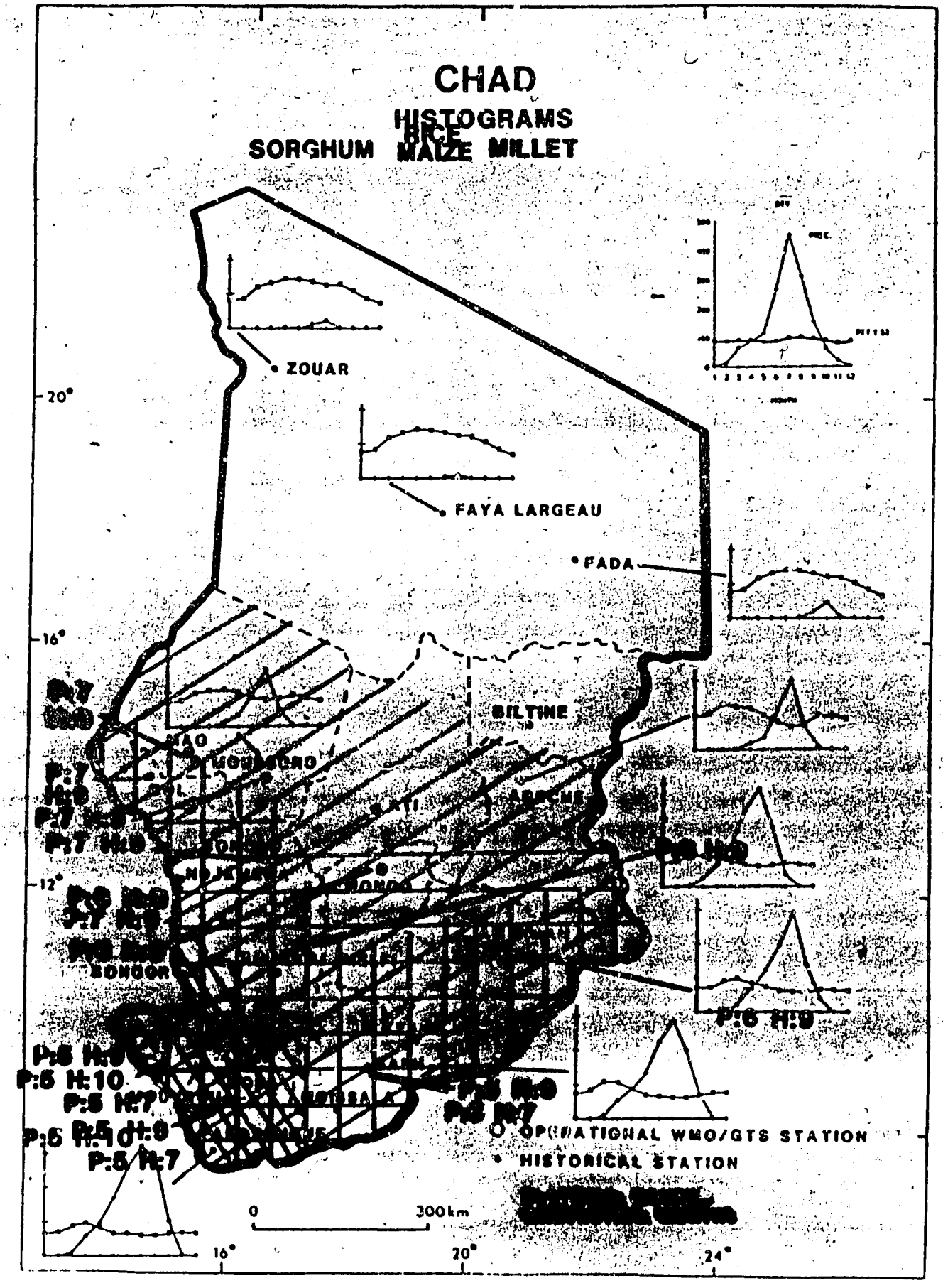
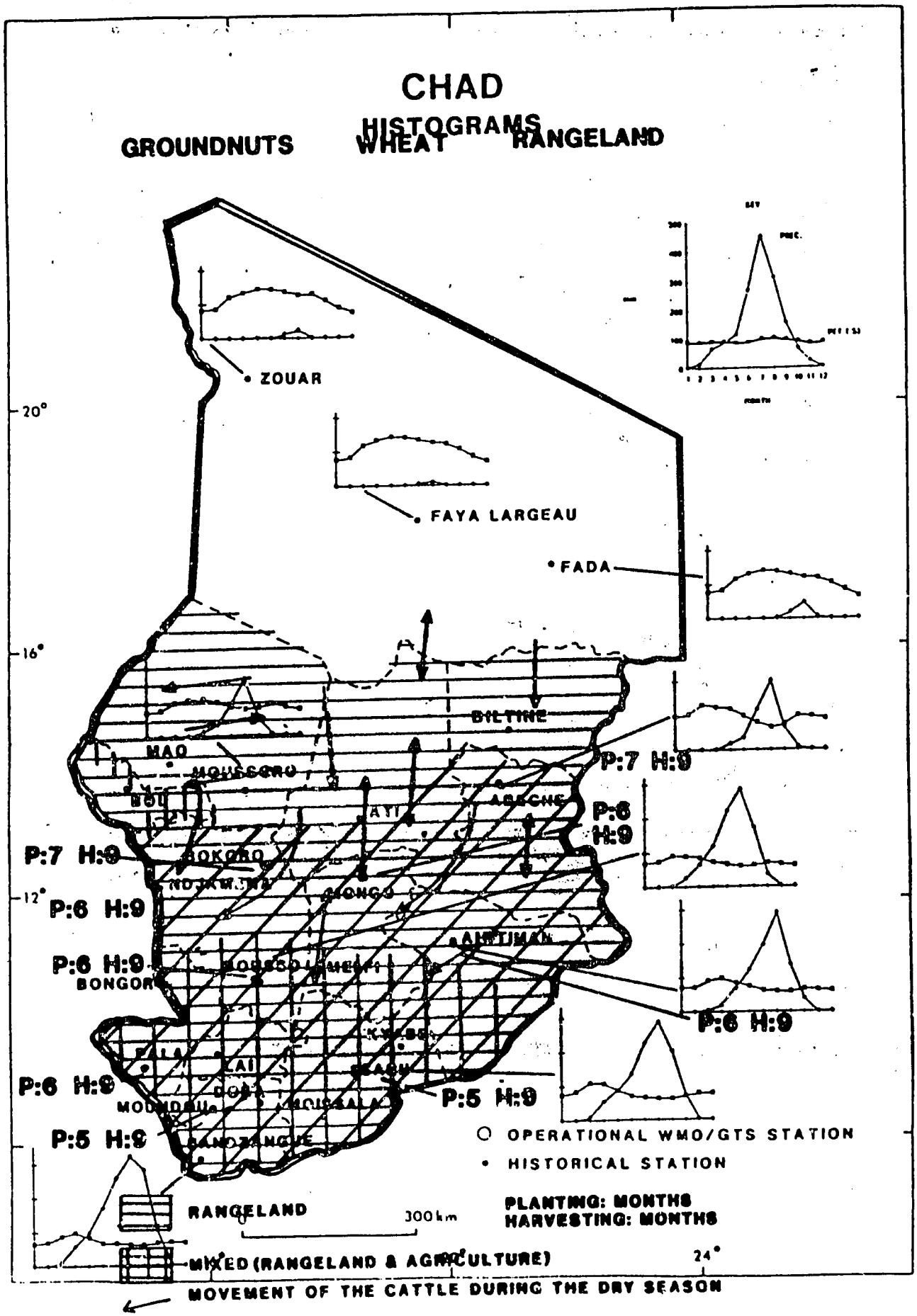

CHAD
HISTOGRAMS
SORGHUM RICE MAIZE MILLET
ZOUAR
FAYA LARGEAU
FADA
BILTINE
MAO
MOUSSORO
ABECHE
KONDOR
P:5 H:10
P:5 H:7
P:5 H:9
P:5 H:7
P:6 H:9
OPERATIONAL WMO/GTS STATION
HISTORICAL STATION
0
300km
20°
16°
12°
16°
20°
24°


CHAD
HISTOGRAMS
GROUNDNUTS
WHEAT
RANGELAND
ZOUAR
FAYA LARGEAU
FADA
BILTINE
MAO
MOUSSORO
BOL
AYI
ABECHE
BOKORO
NDJAMENA
MONGO
ABTIMAN
BONGOR
KYABE
FALA
KAI
BAGUI
MOISSALA
MOUNDOU
BANDJANGUE
P:7 H:9
P:6 H:9
P:6 H:9
P:6 H:9
P:6 H:9
P:6 H:9
P:6 H:9
P:5 H:9
P:5 H:9
20°
16°
12°
24°
OPERATIONAL WMO/GTS STATION
HISTORICAL STATION
PLANTING: MONTHS
HARVESTING: MONTHS
RANGELAND
300 km
MIXED (RANGELAND & AGRICULTURE)
MOVEMENT OF THE CATTLE DURING THE DRY SEASON

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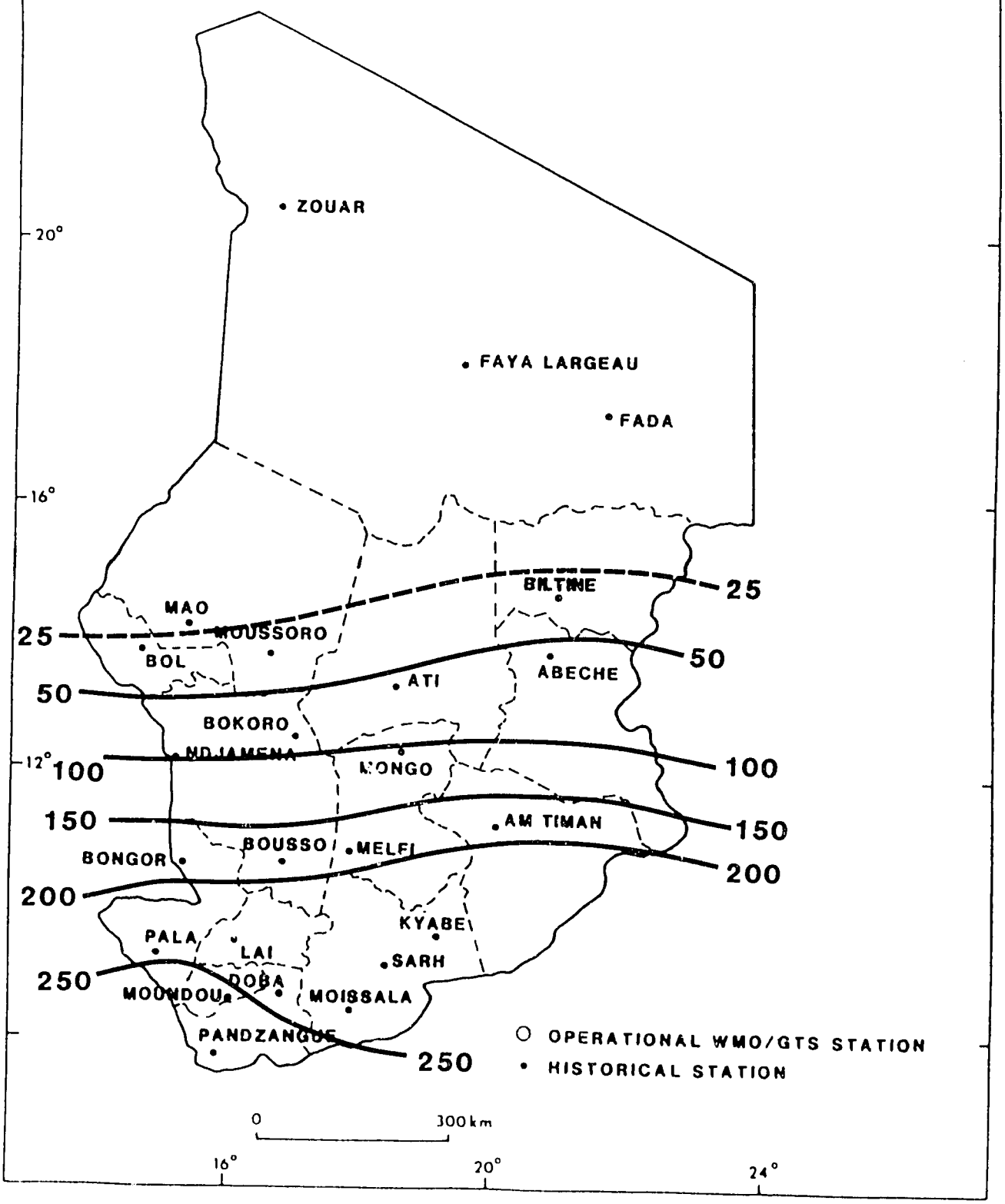
CHAD

MAY-JUNE CUMULATIVE AVERAGE RAINFALL(mm)



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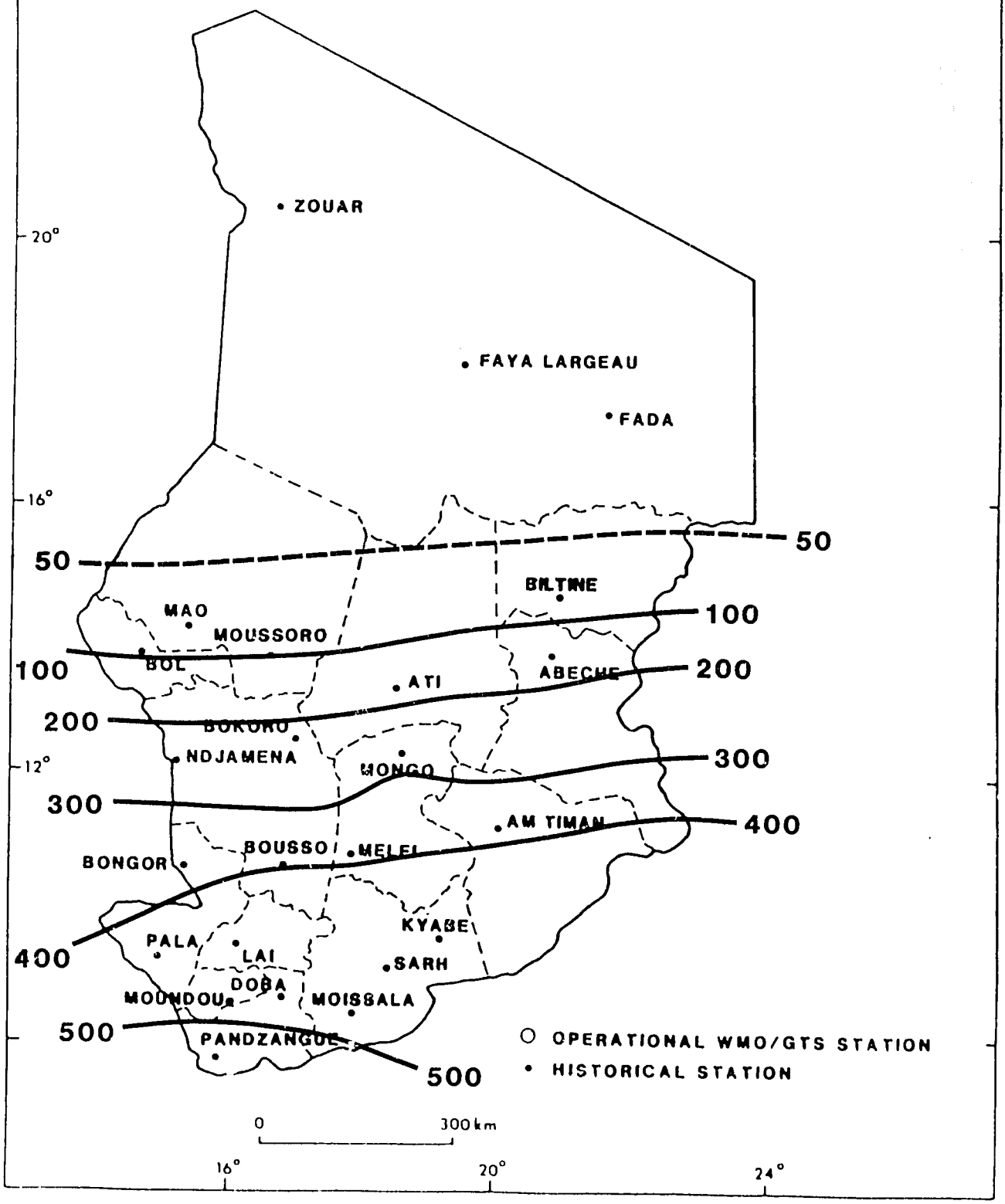
MAY-JULY CUMULATIVE AVERAGE RAINFALL(mm)



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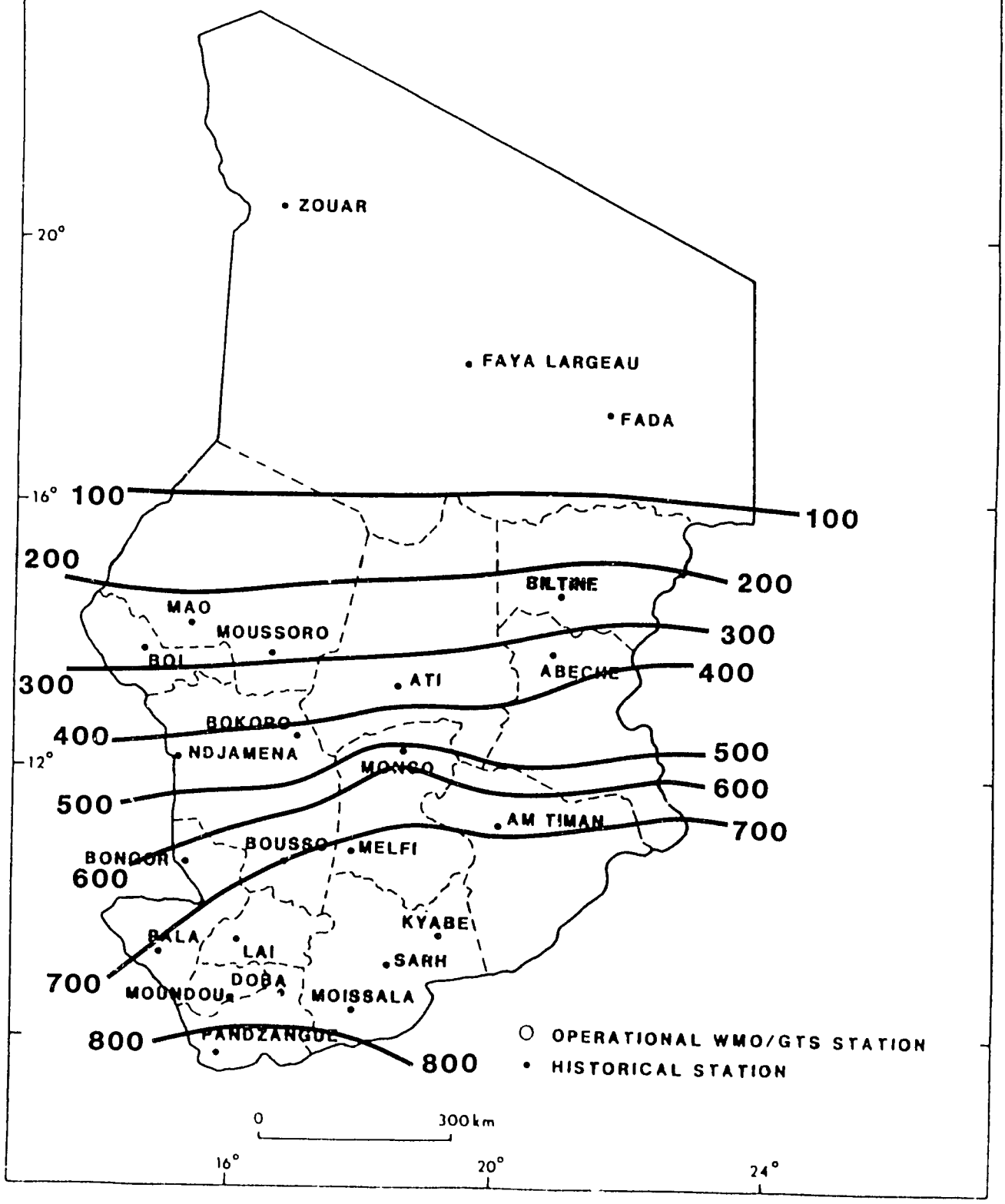
CHAD

MAY-AUGUST CUMULATIVE AVERAGE RAINFALL(mm)



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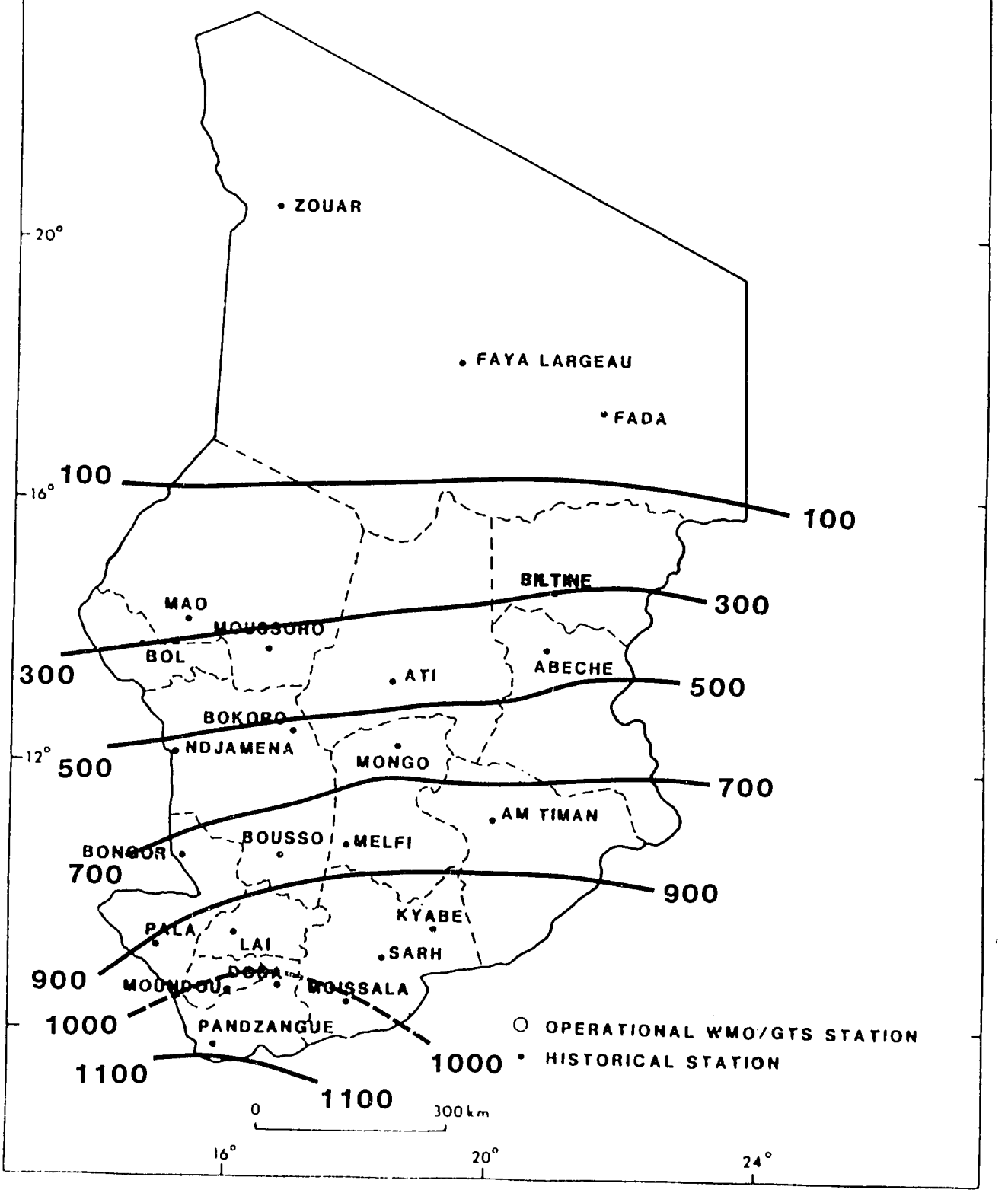
MAY-SEPTEMBER CUMULATIVE AVERAGE RAINFALL(mm)



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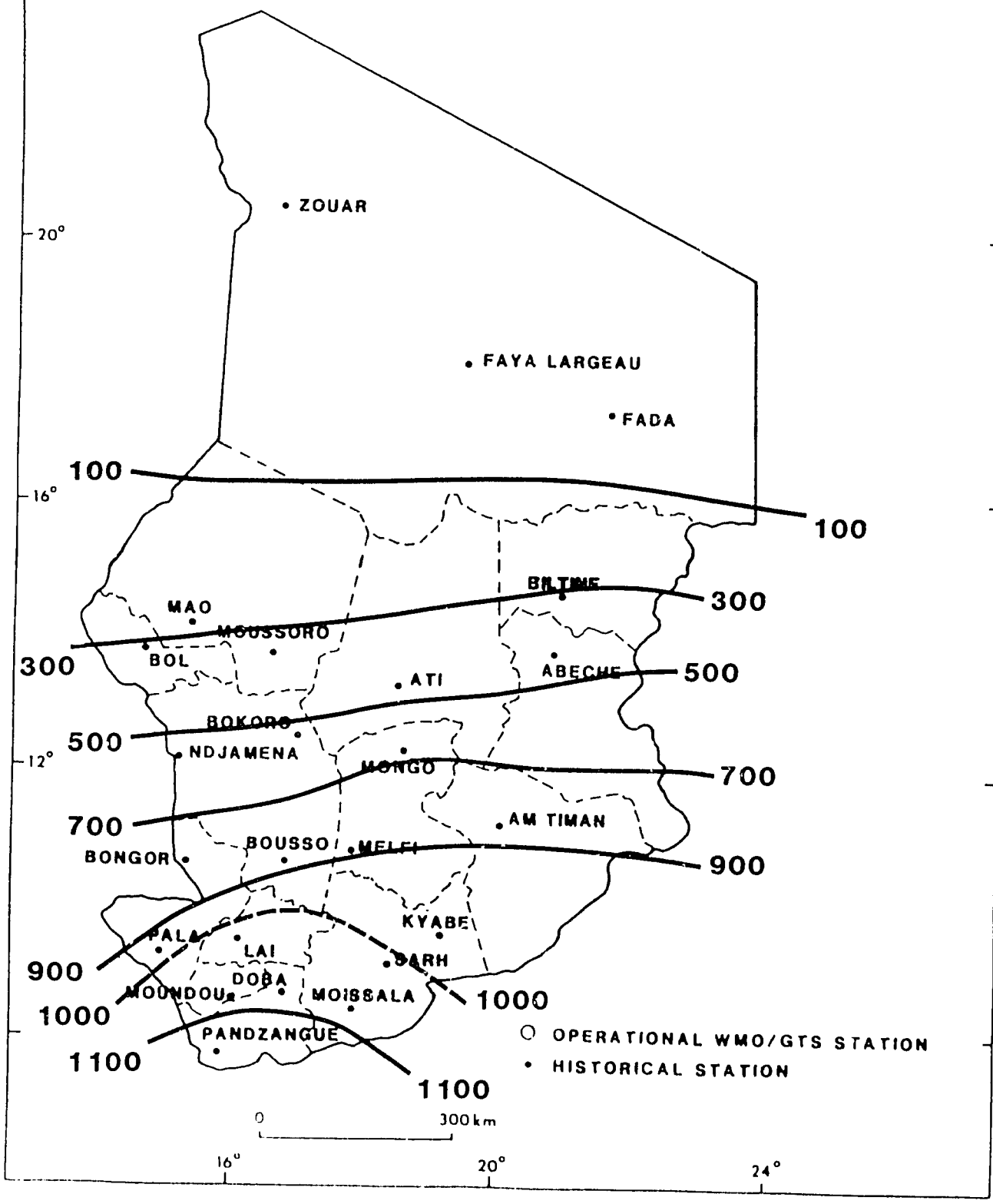
CHAD

MAY-OCTOBER CUMULATIVE AVERAGE RAINFALL(mm)



CHAD
ADMINISTRATIVE DEPARTMENTS
CROP STATISTICS

COTTON

COUNTRY

	YEAR	AREA (Ha)	PRODUCTION (Tonnes)	YIELD (Tonnes/Ha)
Mean (1979-1983)		158740	101803	.641
Actual	1979	179821	91297	.508
	1980	166485	85716	.515
	1981	133899	71391	.533
	1982	137734	102118	.741
	1983	175761	158492	.902
	1984			

LOGONE OCCIDENTAL

Mean (1981-1983)				
Actual	1979			
	1980			
	1981			
	1982	18087	13894	.768
	1983	27143	25226	.929
	1984			

LOGONE ORIENTAL

Mean (1981-1983)				
Actual	1979			
	1980			
	1981			
	1982	32861	23751	.723
	1983	24619	18291	.743
	1984			

MAYO KEBBI

Mean (1981-1983)				
Actual	1979			
	1980			
	1981			
	1982	27503	22208	.807
	1983	51504	49612	.963
	1984			

CHAD
ADMINISTRATIVE DEPARTMENTS
CROP STATISTICS

COTTON

MOYEN CHARI

	YEAR	AREA (Ha)	PRODUCTION (Tonnes)	YIELD (Tonnes/Ha)
Mean (1981-1983)				
Actual	1979			
	1980			
	1981			
	1982	41863	30460	.728
	1983	43912	38317	.873
	1984			

TANDJILE

Mean (1981-1983)			---	
Actual	1979			
	1980			
	1981			
	1982	17421	11804	.678
	1983	28578	27046	.946
	1984			

CHAD
ADMINISTRATIVE DEPARTMENTS
CROP STATISTICS

GROUNDNUTS

COUNTRY

	YEAR	AREA (Ha)	PRODUCTION (Tonnes)	YIELD (Tonnes/Ha)
Mean (1981-1983)				
Actual	1979		98600	
	1980		86100	
	1981		73000	
	1982		77700	
	1983	114146	76798	.673
	1984	125037	76654	.613

CHARI BAGUIRMI

Mean (1981-1983)				
Actual	1979			
	1980			
	1981			
	1982			
	1983			
	1984	2931	1465	.500

GUERA

Mean (1981-1983)				
Actual	1979			
	1980			
	1981			
	1982			
	1983			
	1984	430	172	.400

LOGONE OCCIDENTAL

Mean (1981-1984)		17582	10010	.569
Actual	1979		15400	
	1980		14500	
	1981	16204	9500	.586
	1982	17848	10665	.598
	1983	17174	11292	.658
	1984	19100	8582	.449

CHAD
ADMINISTRATIVE DEPARTMENTS
CROP STATISTICS

GROUNDNUTS

LOGONE ORIENTAL

	YEAR	AREA (Ha)	PRODUCTION (Tonnes)	YIELD (Tonnes/Ha)
Mean (1981-1984)		19545	13007	.666
Actual	1979		18000	
	1980		15900	
	1981	18072	10917	.604
	1982	19635	12525	.638
	1983	20422	16947	.830
	1984	20050	11640	.581

MAYO KEBBI

Mean (1981-1984)		30391	18178	.598
Actual	1979		18700	
	1980		19000	
	1981	26309	19895	.756
	1982	30927	18881	.611
	1983	29956	16243	.542
	1984	34372	17691	.515

MOYEN CHARI

Mean (1981-1984)		34625	22020	.636
Actual	1979		30700	
	1980		21600	
	1981	26501	21061	.795
	1982	31449	23384	.744
	1983	31441	20348	.647
	1984	49108	23286	.474

SALAMAT

Mean (1981-1983)				
Actual	1979			
	1980			
	1981			
	1982			
	1983			
	1984	1172	762	.650

CHAD
ADMINISTRATIVE DEPARTMENTS
CROP STATISTICS

GROUNDNUTS

TANDJILE

	YEAR	AREA (Ha)	PRODUCTION (Tonnes)	YIELD (Tonnes/Ha)
Mean (1981-1984)		13168	10082	.766
Actual	1979		15800	
	1980		15100	
	1981	12914	11577	.897
	1982	15933	12281	.771
	1983	15156	11968	.790
	1984	8667	4500	.519

CHAD
ADMINISTRATIVE DEPARTMENTS
CROP STATISTICS

MAIZE

COUNTRY

	YEAR	AREA (Ha)	PRODUCTION (Tonnes)	YIELD (Tonnes/Ha)
Mean (1981-1983)				
Actual	1979			
	1980			
	1981			
	1982			
	1983	19797	12868	.650
	1984	20552	13559	.660

CHARI BAGUIRMI

Mean (1981-1983)				
Actual	1979			
	1980			
	1981			
	1982			
	1983	4810	2300	.478
	1984	6777	3375	.498

KANEM

Mean (1981-1983)				
Actual	1979			
	1980			
	1981			
	1982			
	1983	2500	600	.240
	1984	1182	236	.200

LAC

Mean (1981-1983)				
Actual	1979			
	1980			
	1981			
	1982			
	1983	10128	9100	.899
	1984	15000	12000	.800

CHAD
ADMINISTRATIVE DEPARTMENTS
CROP STATISTICS

MAIZE

OUADDAI/BILTINE

	YEAR	AREA (Ha)	PRODUCTION (Tonnes)	YIELD (Tonnes/Ha)
Mean (1981-1983)				
Actual	1979			
	1980			
	1981			
	1982			
	1983	398	200	.503
	1984			

SALAMAT

Mean (1981-1983)				
Actual	1979			
	1980			
	1981			
	1982			
	1983	2327	700	.301
	1984	1955	606	.310

NOAA/NESDIS/AISC
AGRICULTURAL STATISTICS

COUNTRY: Chad

CROP: Millet

Administrative Department	Baseline Averages[1] Yield[2]	Area[2]	Prod[2]
Batha	.246	31.2	7.7
Biltine			
Chari-Baguirmi	.396	27.0	10.7
Guera	.580	10.0	5.8
Kanem	.107	42.0	4.5
Lac			
Logone Occidental*	.572	16.2	9.3
Logone Oriental*	.634	20.9	13.3
Mayo Kebbi*	.544	21.9	11.9
Moyen Chari*	.625	43.2	27.0
Ouaddai	.183	31.0	5.7
Salamat	.424	2.0	0.8
Tandjile*	.499	20.9	10.5
Sum of Regions	.403	266.3	107.2
National Statistics	.549	147.0	80.6

Source of Data: Government of Chad

Notes: [1]Averages were derived as follows: National, 1979-1983; Depts. with asterisk, 1981-1983; other Depts., 1983-1984.
[2]Units are Yield in metric tons/hectare, Area in 1,000's of hectares and Production in 1,000's of metric tons.

CHAD
ADMINISTRATIVE DEPARTMENTS
CROP STATISTICS

MILLET

COUNTRY

	YEAR	AREA (Ha)	PRODUCTION (Tonnes)	YIELD (Tonnes/Ha)
Mean (1981-1983)				
Actual	1979		67300	
	1980		77500	
	1981		65800	
	1982		76500	
	1983	129682	73493	.567
	1984	164302	87776	.534

BATHA

Mean (1981-1983)				
Actual	1979			
	1980			
	1981			
	1982			
	1983	57500	15000	.261
	1984	4900	326	.067

CHARI BAGUIRMI

Mean (1981-1983)				
Actual	1979			
	1980			
	1981			
	1982			
	1983	36149	18000	.498
	1984	17866	3382	.189

GUERA

Mean (1981-1983)				
Actual	1979			
	1980			
	1981			
	1982			
	1983	15890	9400	.592
	1984	4150	2213	.533

CHAD
ADMINISTRATIVE DEPARTMENTS
CROP STATISTICS

MILLET

KANEM

	YEAR	AREA (Ha)	PRODUCTION (Tonnes)	YIELD (Tonnes/Ha)
Mean (1981-1983)				
Actual	1979			
	1980			
	1981			
	1982			
	1983	40000	8000	.200
	1984	43889	1000	.023

LAC

Mean (1981-1983)				
Actual	1979			
	1980			
	1981			
	1982			
	1983	8383	3900	.465
	1984	11159	0	

LOGONE OCCIDENTAL

Mean (1981-1983)		16228	9286	.572
Actual	1979		12400	
	1980		12000	
	1981	14460	8553	.592
	1982	17458	10861	.622
	1983	16765	8445	.504
	1984			

LOGONE ORIENTAL

Mean (1981-1983)		20943	13272	.634
Actual	1979		16200	
	1980		14044	
	1981	20307	12044	.593
	1982	23051	15322	.665
	1983	19470	12449	.639
	1984			

CHAD
ADMINISTRATIVE DEPARTMENTS
CROP STATISTICS

MILLET

MAYO KEBBI

	YEAR	AREA (Ha)	PRODUCTION (Tonnes)	YIELD (Tonnes/Ha)
Mean (1981-1983)		21913	11924	.544
Actual	1979		5700	
	1980		16200	
	1981	18241	10308	.565
	1982	17586	8636	.491
	1983	29913	16827	.563
	1984			

MOYEN CHARI

Mean (1981-1983)		43169	26967	.625
Actual	1979		24100	
	1980		24000	
	1981	39544	23668	.599
	1982	48695	31415	.645
	1983	41269	25817	.626
	1984			

OUADDAI/BILTINE

Mean (1981-1983)				
Actual	1979			
	1980			
	1981			
	1982			
	1983	32345	4700	.145
	1984	29566	6652	.225

SALAMAT

Mean (1981-1983)				
Actual	1979			
	1980			
	1981			
	1982			
	1983	2831	1200	.424
	1984	1108	471	.425

CHAD
ADMINISTRATIVE DEPARTMENTS
CROP STATISTICS

MILLET

TANDJILE

	YEAR	AREA (Ha)	PRODUCTION (Tonnes)	YIELD (Tonnes/Ha)
Mean (1981-1983)		20936	10456	.499
Actual	1979		8900	
	1980		11300	
	1981	17899	11176	.624
	1982	22642	10237	.452
	1983	22267	9955	.447
	1984			

CHAD
ADMINISTRATIVE DEPARTMENTS
CROP STATISTICS

RICE

COUNTRY

	YEAR	AREA (Ha)	PRODUCTION (Tonnes)	YIELD (Tonnes/Ha)
Mean (1981-1984)				
Actual	1979		25700	
	1980		46600	
	1981		42300	
	1982		23300	
	1983	38259	18029	.471
	1984	31427	1570	.050

LOGONE OCCIDENTAL

Mean (1981-1984)		6424	4633	.721
Actual	1979		6900	
	1980		6000	
	1981	4702	3992	.849
	1982	7348	5948	.810
	1983	7223	3958	.548
	1984			

LOGONE ORIENTAL

Mean (1981-1984)		4358	3297	.757
Actual	1979		4160	
	1980		5800	
	1981	5380	4588	.853
	1982	6433	6703	1.042
	1983	3527	1597	.453
	1984	2093	299	.143

MAYO KEBBI

Mean (1981-1984)		6356	2646	.416
Actual	1979		1700	
	1980		12300	
	1981	7080	5502	.777
	1982	6054	1996	.330
	1983	6643	2734	.412
	1984	5647	350	.062

CHAD
ADMINISTRATIVE DEPARTMENTS
CROP STATISTICS

RICE

MOYEN CHARI

	YEAR	AREA (Ha)	PRODUCTION (Tonnes)	YIELD (Tonnes/Ha)
Mean (1981-1984)		1835	886	.483
Actual	1979		1240	
	1980		1100	
	1981	1944	1569	.807
	1982	1950	683	.350
	1983	2177	1293	.594
	1984	1268	0	

TANDJILE

Mean (1981-1984)		14703	10783	.733
Actual	1979		11700	
	1980		21600	
	1981	20022	26669	1.332
	1982	18879	6666	.353
	1983	19505	9795	.502
	1984	407	0	

CHAD
ADMINISTRATIVE DEPARTMENTS
CROP STATISTICS

SESAME

COUNTRY

	YEAR	AREA (Ha)	PRODUCTION (Tonnes)	YIELD (Tonnes/H
Mean (1981-1983)				
Actual	1979		8200	
	1980		11200	
	1981		11900	
	1982		13000	
	1983	28244	7867	.279
	1984	34037	8794	.258

LOGONE OCCIDENTAL

Mean (1981-1983)		9660	3386	.351
Actual	1979		2900	
	1980		3750	
	1981	9878	3838	.389
	1982	11025	4134	.375
	1983	8077	2187	.271
	1984	-	-	-

LOGONE ORIENTAL

Mean (1981-1983)		8321	2715	.326
Actual	1979		1700	
	1980		2650	
	1981	9278	2979	.321
	1982	9760	3286	.337
	1983	5924	1881	.318
	1984	-	-	-

MAYO KEBBI

Mean (1981-1983)		4772	1545	.324
Actual	1979		700	
	1980		1200	
	1981	4590	1580	.344
	1982	5058	1704	.337
	1983	4670	1351	.289
	1984	-	-	-

CHAD
ADMINISTRATIVE DEPARTMENTS
CROP STATISTICS

SESAME

MOYEN CHARI

	YEAR	AREA (Ha)	PRODUCTION (Tonnes)	YIELD (Tonnes/Ha)
Mean (1981-1983)		5958	1708	.287
Actual	1979		2000	
	1980		1800	
	1981	5757	1915	.333
	1982	6850	1972	.288
	1983	5268	1237	.235
	1984	-	-	-

TANDJILE

Mean (1981-1983)		5604	1563	.279
Actual	1979		900	
	1980		1800	
	1981	6012	1559	.259
	1982	6496	1918	.295
	1983	4306	1211	.281
	1984	-	-	-

NOAA/NESDIS/AISC
AGRICULTURAL STATISTICS

COUNTRY: Chad

CROP: Sorghum

Administrative Department	Baseline Averages[1] Yield[2]	Area[2]	Prod[2]
Batha	.178	19.8	3.5
Biltine			
Chari-Baguirmi	.174	11.9	2.1
Guera	.545	2.9	1.6
Kanem			
Lac			
Logone Occidental*	.590	37.9	22.3
Logone Oriental*	.747	58.9	44.0
Mayo Kebbi*	.605	94.8	57.3
Moyen Chari*	.640	69.6	44.6
Ouaddai	.407	13.3	5.4
Salamat	.181	12.0	2.2
Tandjile*	.582	39.1	22.7
Sum of Regions	.571	360.2	205.7
National Statistics	.583	320.1	186.5

Source of Data: Government of Chad

Notes: [1]Averages were derived as follows: Depts. with asterisk, 1981-1983; other Depts., 1983-1984.
[2]Units are Yield in metric tons/hectare, Area in 1,000's of hectares and Production in 1,000's of metric tons.

CHAD
ADMINISTRATIVE DEPARTMENTS
CROP STATISTICS

SORGHUM

COUNTRY

	YEAR	AREA (Ha)	PRODUCTION (Tonnes)	YIELD (Tonnes/Ha)
Mean (1981-1983)				
Actual	1979		192100	
	1980		209100	
	1981		190900	
	1982		203100	
	1983	307297	178712	.582
	1984	332802	194229	.584

BATHA

Mean (1981-1983)				
Actual	1979			
	1980			
	1981			
	1982			
	1983	21500	5900	.274
	1984	18100	1160	.064

CHARI BAGUIRMI

Mean (1981-1983)				
Actual	1979			
	1980			
	1981			
	1982			
	1983	5680	2200	.387
	1984	18185	1950	.107

GUERA

Mean (1981-1983)				
Actual	1979			
	1980			
	1981			
	1982			
	1983	1270	800	.630
	1984	4500	2343	.521

CHAD
ADMINISTRATIVE DEPARTMENTS
CROP STATISTICS

SORGHUM

LAC

	YEAR	AREA (Ha)	PRODUCTION (Tonnes)	YIELD (Tonnes/Ha)
Mean (1981-1983)				
Actual	1979			
	1980			
	1981			
	1982			
	1983	472	300	.636
	1984	480	0	

LOGONE OCCIDENTAL

Mean (1981-1983)		37883	22343	.590
Actual	1979		34300	
	1980		33140	
	1981	35116	21196	.604
	1982	40888	25366	.620
	1983	37644	20468	.544
	1984			-

LOGONE ORIENTAL

Mean (1981-1983)		58851	43948	.747
Actual	1979		57300	
	1980		58540	
	1981	56567	40149	.710
	1982	59288	46432	.783
	1983	60699	45264	.746
	1984	--	—	—

MAYO KEBBI

Mean (1981-1983)		94755	57315	.605
Actual	1979		40200	
	1980		50000	
	1981	96666	60992	.631
	1982	86265	55375	.642
	1983	101334	55579	.549
	1984		—	--

CHAD
ADMINISTRATIVE DEPARTMENTS
CROP STATISTICS

SORGHUM

MOYEN CHARI

	YEAR	AREA (Ha)	PRODUCTION (Tonnes)	YIELD (Tonnes/Ha)
Mean (1981-1983)		69621	44568	.640
Actual	1979		39200	
	1980		42420	
	1981	71535	46530	.651
	1982	72664	51235	.705
	1983	64665	35940	.556
	1984			

OUADDAI/BILTINE

Mean (1981-1983)				
Actual	1979			
	1980			
	1981			
	1982			
	1983	11809	7500	.635
	1984	14783	3326	.225

SALAMAT

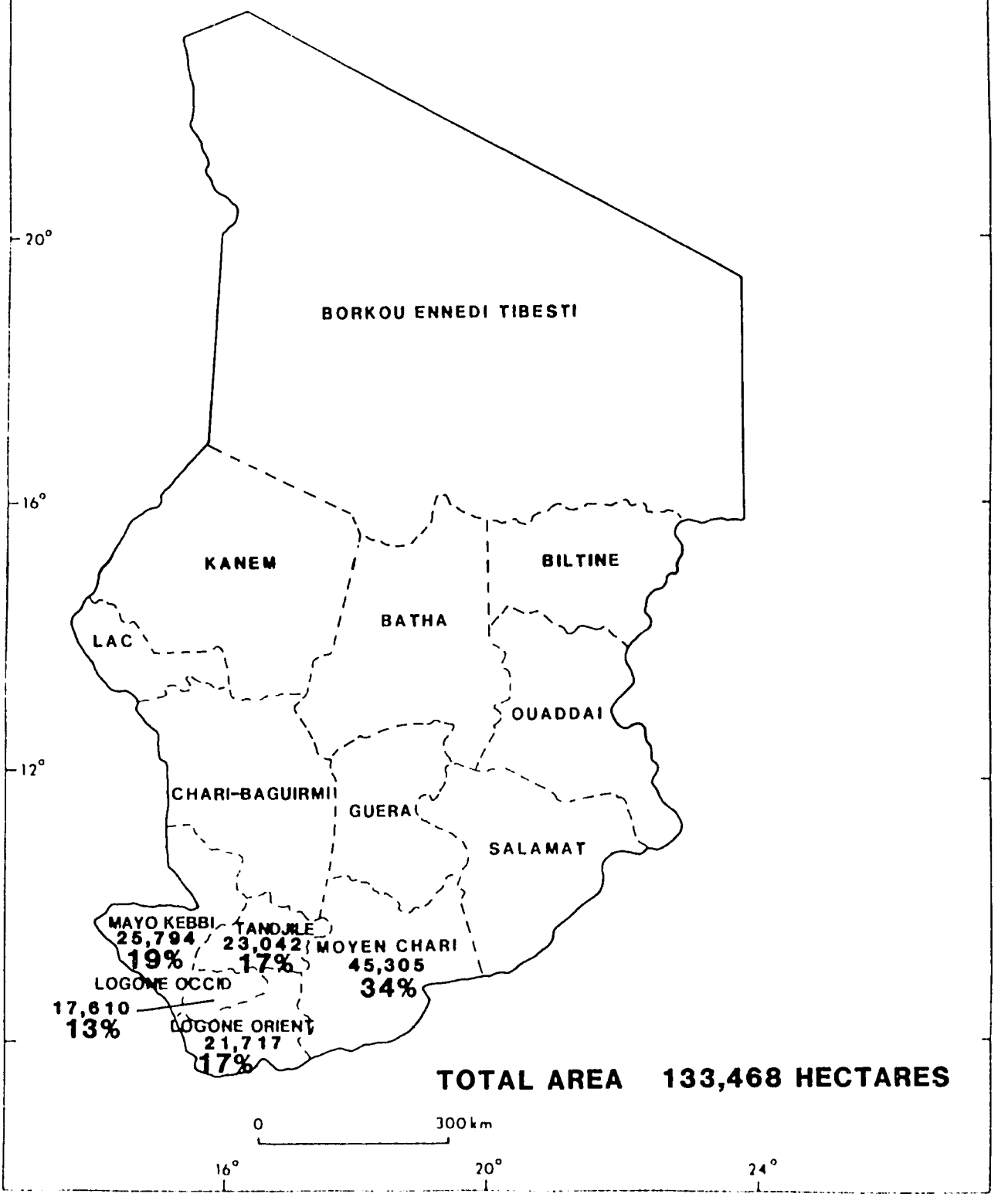
Mean (1981-1983)				
Actual	1979			
	1980			
	1981			
	1982			
	1983	10818	1700	.157
	1984	13154	2632	.200

TANDJILE

Mean (1981-1983)		39107	22744	.582
Actual	1979		21100	
	1980		25000	
	1981	32828	22039	.671
	1982	41536	24733	.596
	1983	42957	21461	.500
	1984			

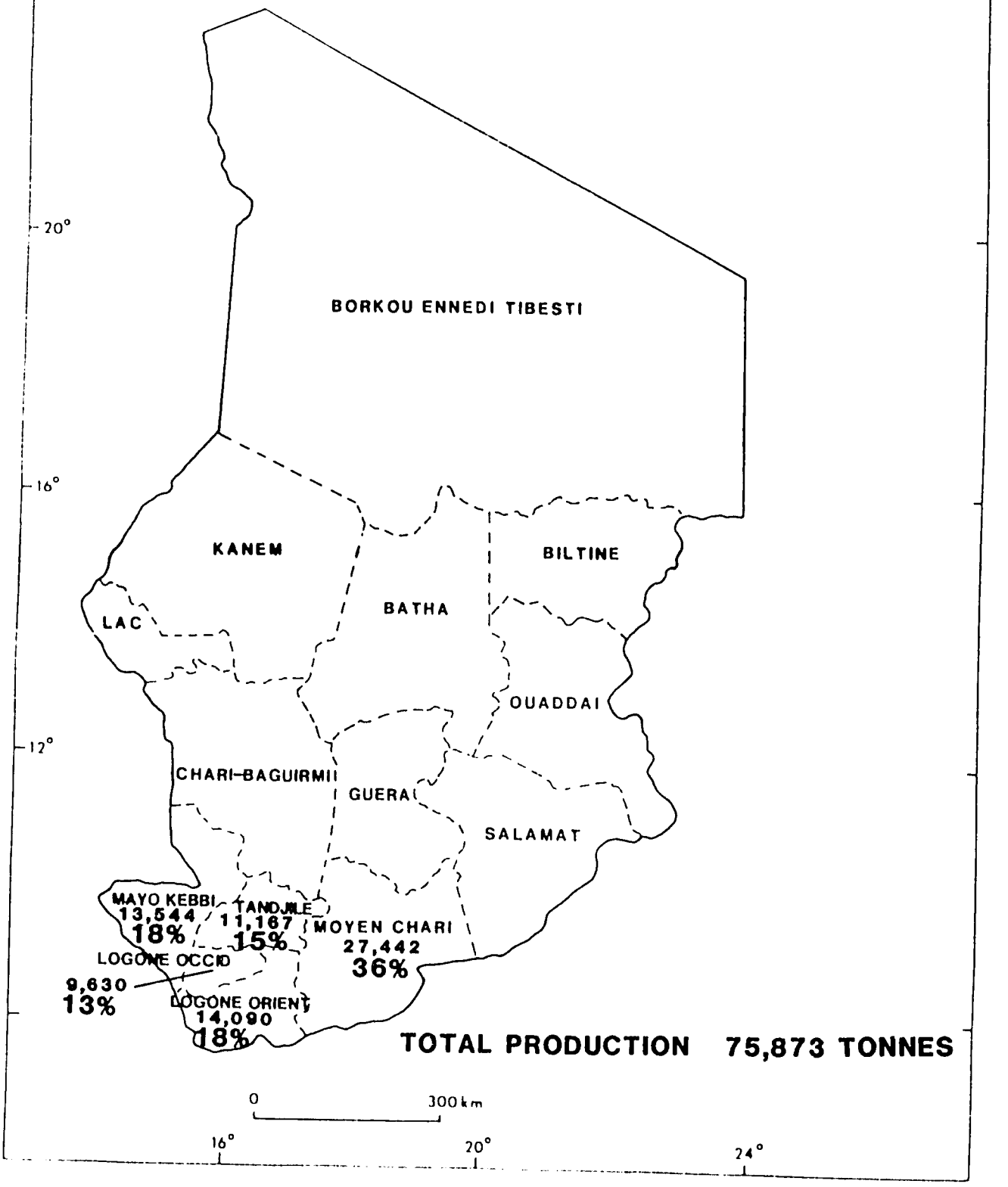
CHAD

1981-1984 AVERAGE MILLET AREA (HECTARES) AND PERCENT OF TOTAL MILLET AREA



CHAD

1981-1984 AVERAGE MILLET PRODUCTION (TONNES) AND PERCENT OF TOTAL MILLET PRODUCTION



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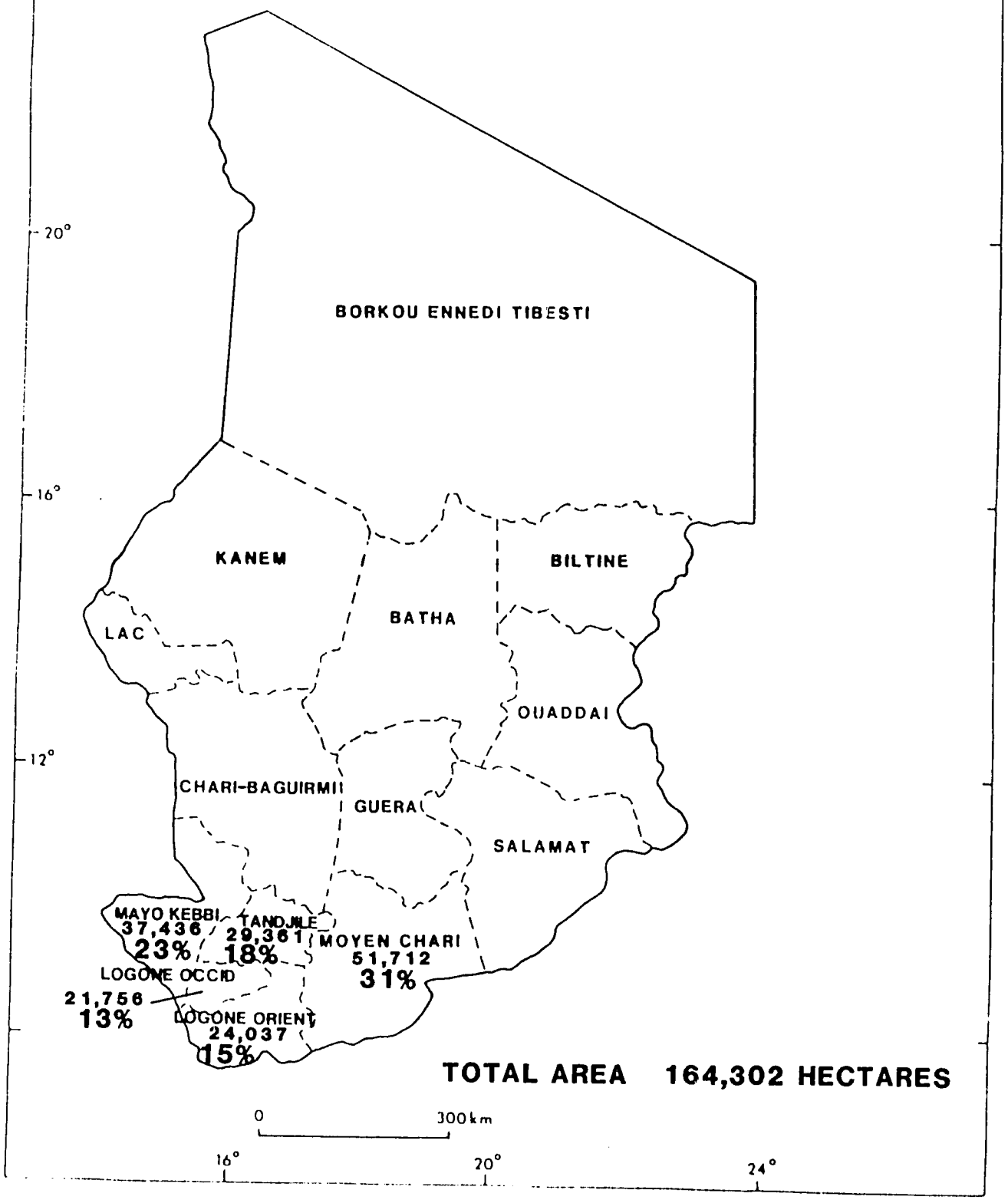
CHAD
1984 MILLET AREA (HECTARES) AND PERCENT OF TOTAL MILLET AREA



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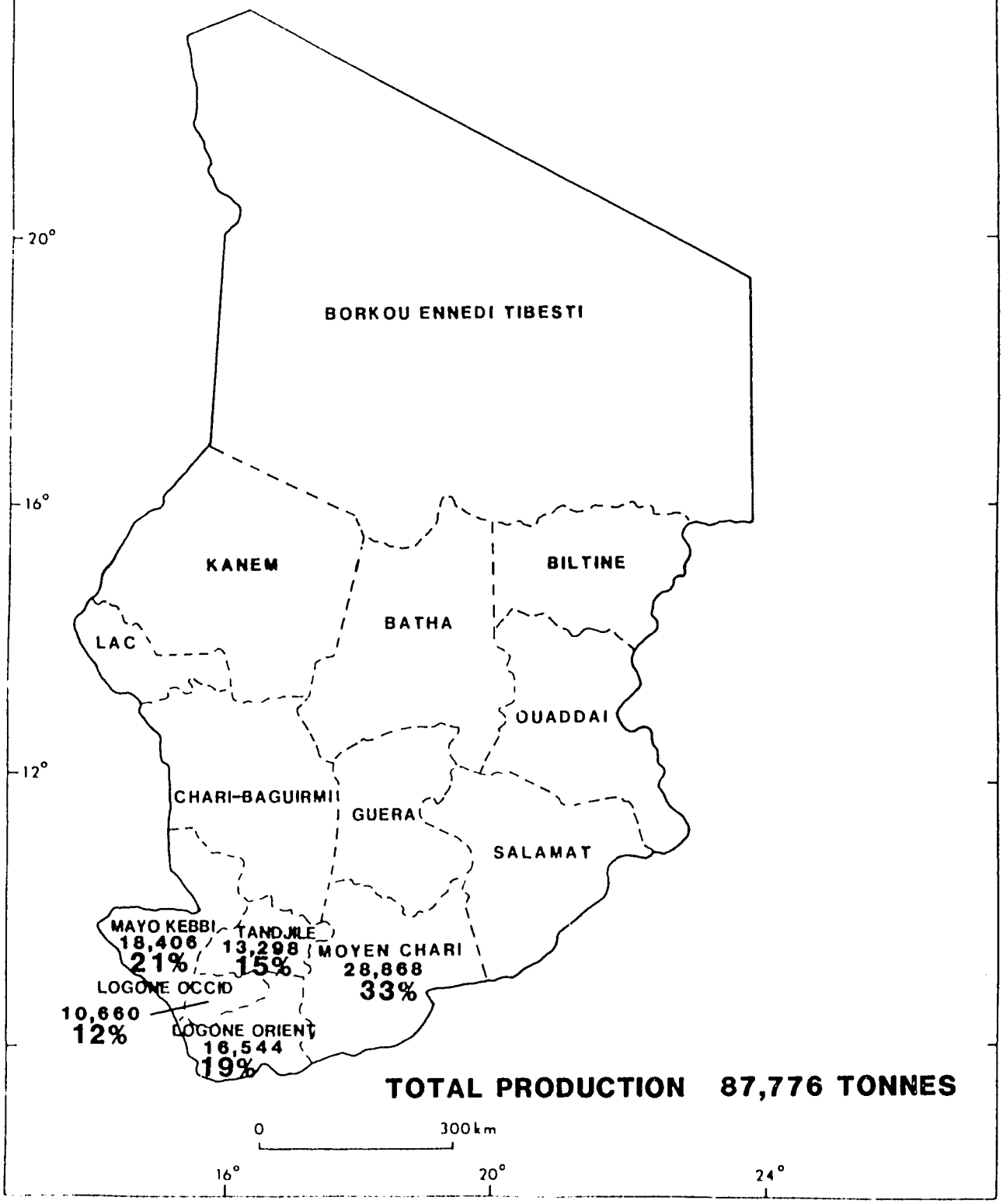
CHAD
1984 MILLET PRODUCTION (TONNES) AND PERCENT OF TOTAL MILLET PRODUCTION



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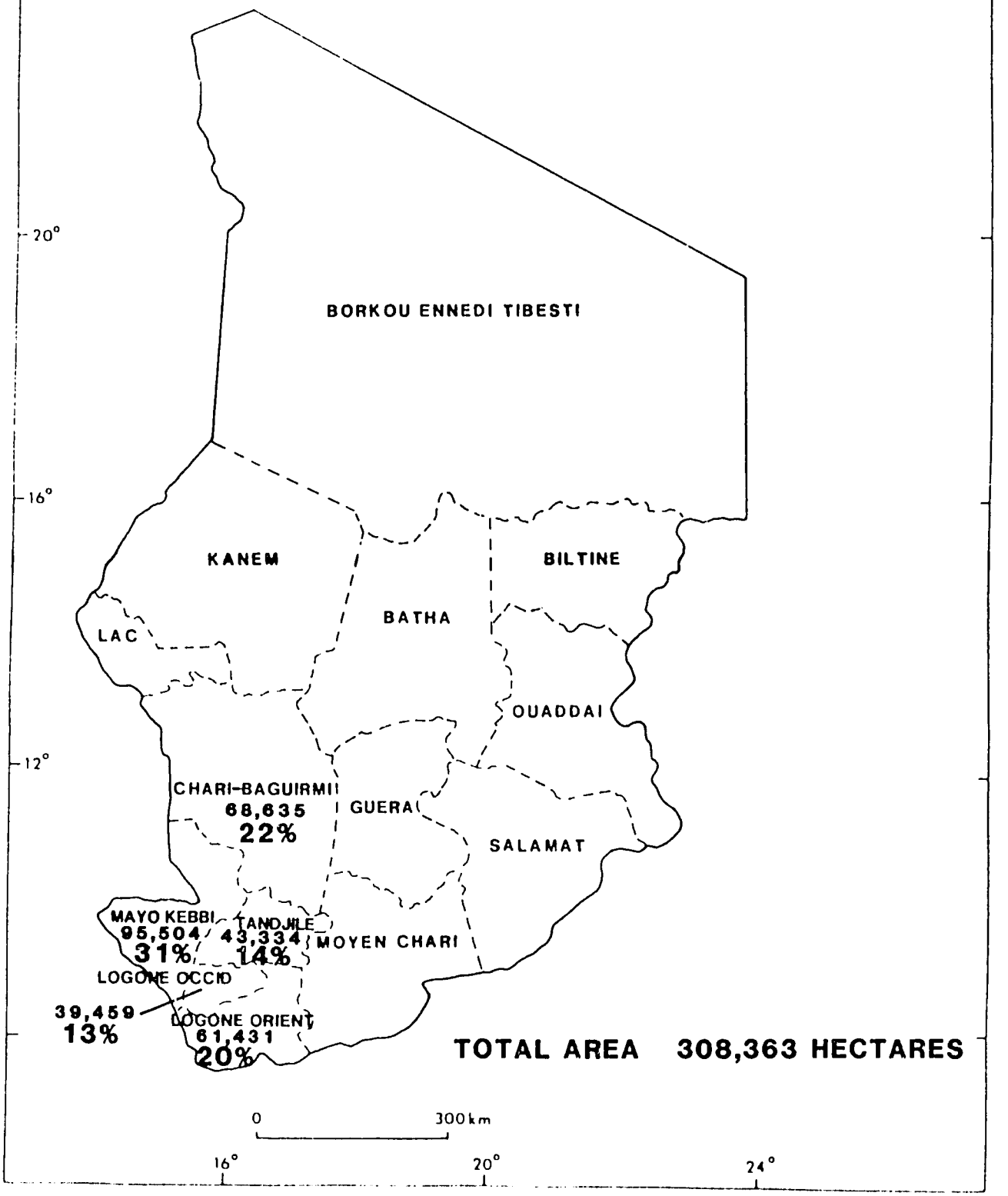
1981-1984 AVERAGE SORGHUM AREA (HECTARES) AND PERCENT OF TOTAL SORGHUM AREA



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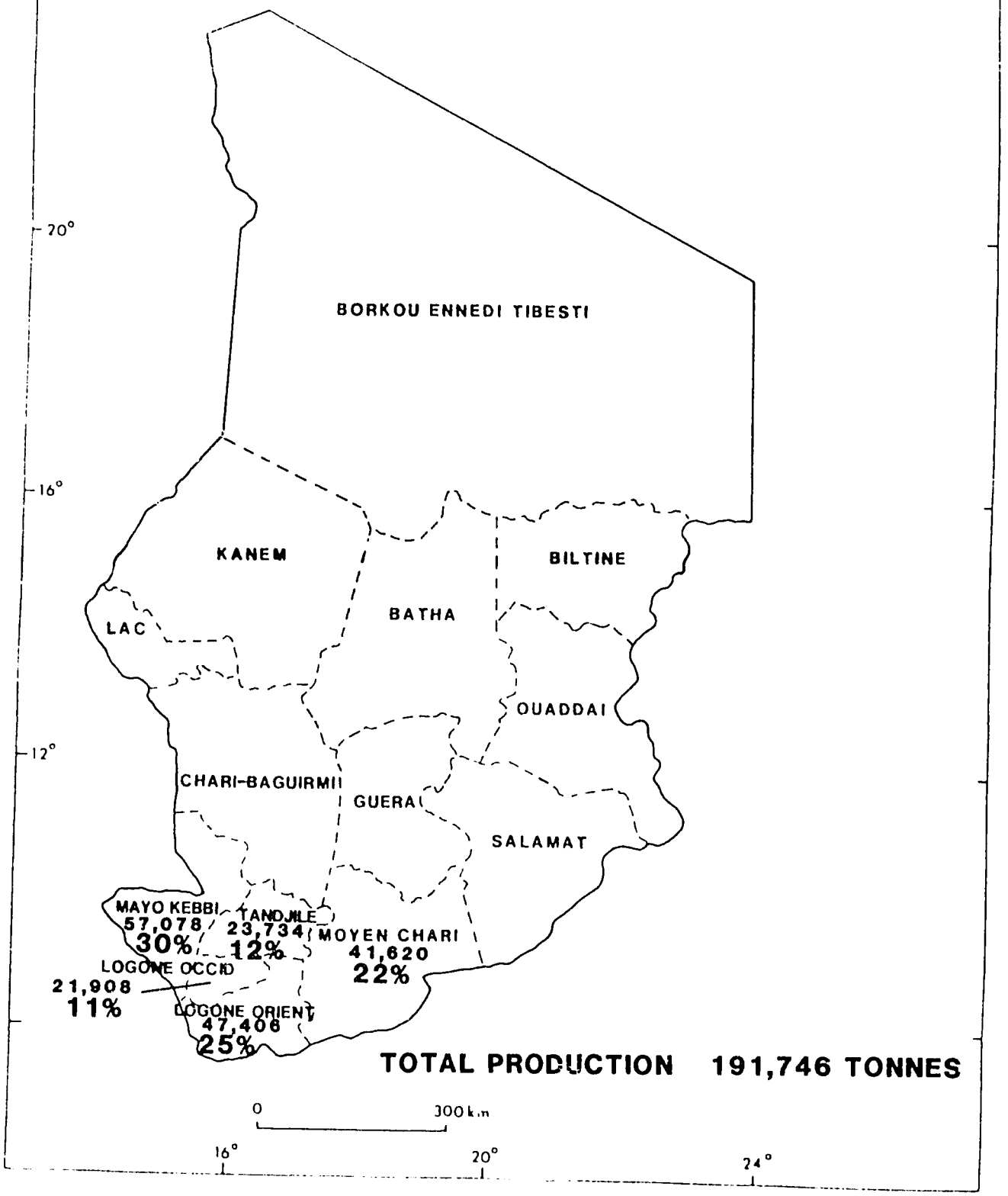
CHAD

1981-1984 AVERAGE SORGHUM PRODUCTION (TONNES) AND PERCENT OF TOTAL SORGHUM PRODUCTION



TOTAL PRODUCTION 191,746 TONNES

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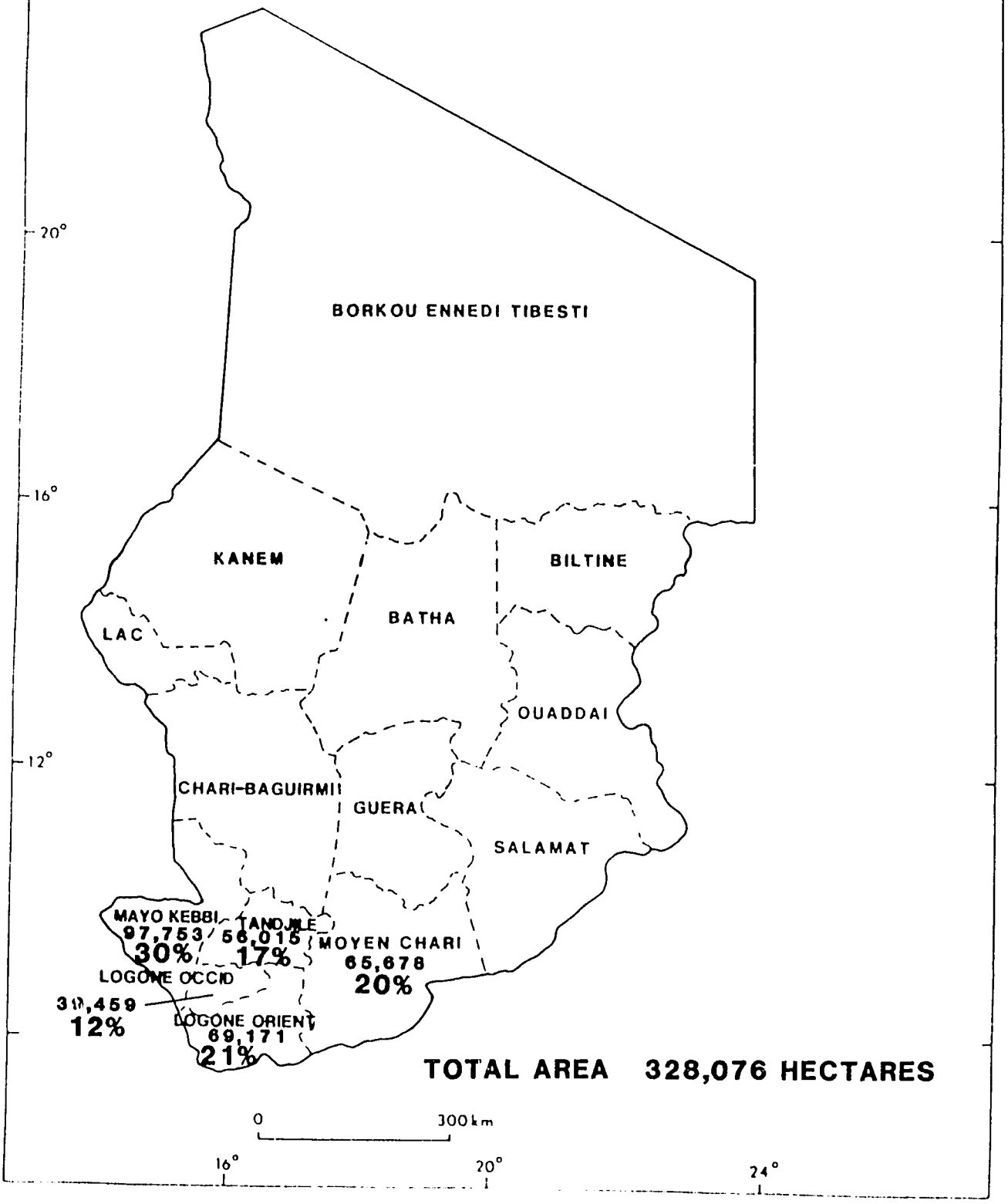
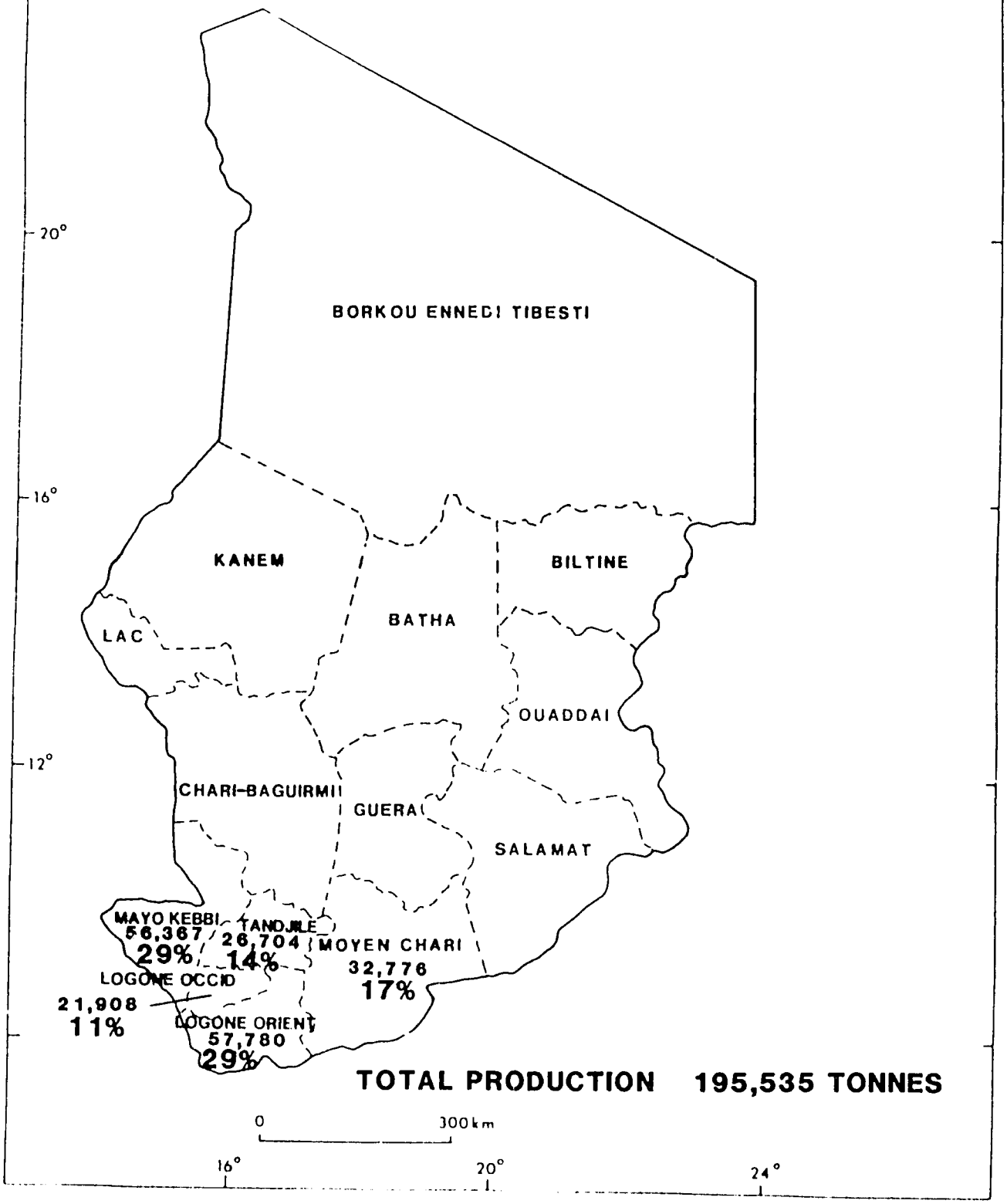
CHAD

1984 SORGHUM AREA (HECTARES) AND PERCENT OF TOTAL SORGHUM AREA



CHAD

1984 SORGHUM PRODUCTION (TONNES) AND PERCENT OF TOTAL SORGHUM PRODUCTION



TOTAL PRODUCTION 195,535 TONNES

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