



	Country	BURKINA FASO		DR-CONGO		ETHIOPIA		GHANA		KENYA		MADAGASCAR		MALAWI		MALI		MOZAMBIQUE		NIGERIA		RWANDA		SENEGAL		SOUTH AFRICA		TANZANIA		UGANDA		ZAMBIA		ZIMBABWE		AVERAGE			
		Year	2020	2016	2016	2016	2020	2020	2016	2020	2020	2016	2020	2020	2016	2020	2020	2018	2016	2016	2016	2016	2016	2016	2016	2016	2016	2016	2016	2016	2016	2016	2016						
Focus crop 1	Area harvested in hectares	Maize	956,385	Maize	1,506,884	Maize	2,114,876	Maize	1,019,000	Maize	2,116,141	Maize	215,113	Maize	1,676,213	Maize	1,233,008	Maize	1,703,500	Maize	6,857,528	Maize	297,447	Maize	146,361	Maize	2,688,200	Maize	4,146,000	Maize	1,105,000	Maize	1,205,202	Maize	2,283,803	1,839,451			
Focus crop 2	Area harvested in hectares	Rice	165,086	Rice	405,074	Wheat	1,663,845	Rice	224,000	Sorghum	213,520	Rice	961,831	Beans	329,959	Rice	767,874	Rice	376,500	Rice	5,128,128	Bean	549,441	Rice	134,973	Soya bean	502,900	Beans	1,134,394	Sorghum	373,000	Rice	33,207	Beans	69,651	766,650			
Focus crop 3	Area harvested in hectares	Sorghum	1,667,193	Beans	459,100	Teff	3,762,000	Soya bean	97,957	Beans	1,052,408	Beans	73,017	Groundnut	373,925	Sorghum	1,585,986	Cowpea	377,900	Sorghum	5,397,024	Wheat	10,758	Groundnut	878,659	Sunflower	598,950	Soya bean	5,907	Beans	674,000	Groundnut	237,423	Soya bean	56,312	1,018,148			
Focus crop 4	Area harvested in hectares	Cowpea	1,254,934	Soya bean	41,206	Sorghum	1,834,650	Cowpea	168,659	Cowpea	281,877	Groundnut	53,000	Soya bean	139,005	Cowpea	282,736	Soya bean	15,000	Soya bean	656,304	Soya bean	143,490	Millet	715,996	Wheat	476,570	Pigeon pea	250,509	Millet	175,000	Beans	88,673	Sorghum	588,945	421,562			
Number of farming households (million)	Millions		2.1	7.1	15.6	3.1	6.8	2.4	3.1	0.8	3.2	37.2	2.1	0.8	2.3	5.8	10.7	15	0.6	6																			
Population	Millions		20.9	78.7	102.4	31.1	53.8	24.9	19.1	18.5	28.8	206.0	12.2	15.4	55.9	55.6	45.7	16.6	16.2	47																			
Total land area	Millions of hectares		27.4	234.5	110.4	23.8	58.0	58.7	11.8	124.0	78.6	91.1	28.8	28.8	19.3	74.3	38.7	70																					
Arable land	% of total land area		22%	3%	15%	21%	5%	15%	40%	5.3%	7%	37%	47%	17%	10%	15%	10%	18%																					
Ease of Doing Business rank	2020 rank out of 190 countries		151	183	159	118	56	161	109	148	161	131	38	123	84	116	140	124																					
Enabling the Business of Agriculture	2019 score		35.30	29.81	46.12	50.49	64.80	36.26	41.51	33.70	50.97	49.17	41.43	43.98	68.73	57.15	52.15	48																					
A RESEARCH AND DEVELOPMENT																																							
A1	Number of active breeders (Note: in cases where one breeder works with multiple crops, numbers for the four crops may not equal the total)	Crop 1	Maize	2	Maize	7	Maize	23	Maize	10	Maize	18	Maize	2	Maize	2	Maize	3	Maize	6	Maize	12	Maize	4	Maize	2	Maize	27	Maize	28	Maize	6	Maize	17	Maize	17	11		
		Crop 2	Rice	3	Rice	3	Wheat	20	Rice	4	Sorghum	7	Rice	21	Beans	2	Rice	3	Rice	8	Rice	9	Bean	3	Rice	4	Soya bean	7	Beans	7	Sorghum	3	Rice	5	Beans	5	7		
		Crop 3	Sorghum	4	Beans	2	Teff	15	Soya bean	5	Beans	6	Beans	3	Groundnut	2	Sorghum	2	Cowpea	4	Sorghum	12	Wheat	2	Groundnut	3	Sunflower	10	Soya bean	7	Beans	3	Groundnut	3	Soya bean	6	5	5	
		Crop 4	Cowpea	6	Soya bean	2	Sorghum	16	Cowpea	5	Cowpea	3	Groundnut	3	Soya bean	1	Cowpea	1	Soya bean	2	Soya bean	4	Soya bean	5	Soya bean	2	Millet	3	Wheat	9	Pigeon pea	4	Millet	1	Beans	1	Sorghum	4	4
		Total (number of breeders)		15	14	74	24	34	29	7	9	20	38	11	12	53	46	11	26	32	27																		
A2	Adequacy of active breeders (industry opinion rating out of 100)	Crop 1	Maize	70	Maize	70	Maize	75	Maize	73	Maize	67	Maize	66	Maize	64	Maize	68	Maize	90	Maize	75	Maize	67	Maize	17	Maize	84	Maize	63	Maize	67	Maize	64	Maize	84	68		
		Crop 2	Rice	80	Rice	60	Wheat	52	Rice	52	Sorghum	65	Rice	69	Beans	57	Rice	78	Rice	90	Rice	68	Bean	60	Rice	50	Soya bean	88	Beans	54	Sorghum	60	Rice	80	Beans	83	69		
		Crop 3	Sorghum	80	Beans	77	Teff	100	Soya bean	50	Beans	58	Beans	74	Groundnut	68	Sorghum	72	Cowpea	63	Sorghum	65	Wheat	86	Groundnut	61	Sunflower	96	Soya bean	54	Beans	63	Groundnut	55	Soya bean	93	71	71	
		Crop 4	Cowpea	80	Soya bean	70	Sorghum	48	Cowpea	50	Cowpea	57	Groundnut	73	Soya bean	57	Cowpea	75	Soya bean	68	Soya bean	58	Soya bean	67	Millet	25	Wheat	85	Pigeon pea	37	Millet	47	Beans	60	Sorghum	83	61		
		Average satisfaction		78	69	70	55	63	70	62	73	77	66	73	77	66	73	77	66	73	77	66	73	77	66	73	77	66	73	77	66	73	77	66	73	77	66	73	
A3	Number of varieties released in last three years	Crop 1	Maize	0	Maize	6	Maize	12	Maize	17	Maize	63	Maize	0	Maize	22	Maize	0	Maize	5	Maize	14	Maize	6	Maize	0	Maize	236	Maize	44	Maize	24	Maize	37	Maize	37	31		
		Crop 2	Rice	4	Rice	4	Wheat	15	Rice	7	Sorghum	6	Rice	13	Beans	16	Rice	14	Rice	3	Rice	3	Bean	0	Rice	0	Soya bean	71	Beans	2	Sorghum	7	Rice	3	Beans	3	10		
		Crop 3	Sorghum	7	Beans	10	Teff	3	Soya bean	3	Beans	7	Beans	0	Groundnut	0	Sorghum	26	Cowpea	0	Sorghum	3	Wheat	4	Groundnut	7	Sunflower	38	Soya bean	0	Beans	2	Groundnut	2	Soya bean	3	7		
		Crop 4	Cowpea	7	Soya bean	0	Sorghum	7	Cowpea	7	Cowpea	5	Groundnut	0	Soya bean	0	Cowpea	9	Soya bean	0	Soya bean	0	Soya bean	1	Soya bean	0	Millet	0	Wheat	17	Pigeon pea	4	Millet	5	Beans	2	Sorghum	1	4
		Total		18	20	37	34	81	13	38	49	8	21	10	7	362	50	38	44	38	44	51																	
A4	Percentage of varieties with special attributes/features released in last 3 years (%)	Crop 1	Maize	MD	Maize	75%	Maize	75%	Maize	65%	Maize	79%	Maize	0%	Maize	45%	Maize	-	Maize	60%	Maize	43%	Maize	33%	Maize	0%	Maize	100%	Maize	14%	Maize	50%	Maize	51%	Maize	62%	50%		
		Crop 2	Rice	MD	Rice	25%	Wheat	27%	Rice	0%	Sorghum	83%	Rice	29%	Beans	100%	Rice	50%	Rice	67%	Rice	0%	Bean	NA	Rice	0%	Soya bean	100%	Beans	0%	Sorghum	100%	Rice	33%	Beans	43%	44%		
		Crop 3	Sorghum	MD	Beans	50%	Teff	25%	Soya bean	0%	Beans	14%	Beans	0%	Groundnut	0%	Sorghum	92%	Cowpea	0%	Sorghum	33%	Wheat	100%	Groundnut	44%	Sunflower	100%	Soya bean	0%	Beans	100%	Groundnut	50%	Soya bean	0%	38%		
		Crop 4	Cowpea	MD	Soya bean	0%	Sorghum	29%	Cowpea	86%	Cowpea	60%	Groundnut	0%	Soya bean	0%	Cowpea	100%	Soya bean	0%	Soya bean	0%	Soya bean	NA	Millet	0%	Wheat	100%	Pigeon pea	50%	Millet	40%	Beans	50%	Sorghum	100%	41%		
		Average satisfaction		81	65	58	86	82	51	75	79	42	84	77	77	80	77	80	77	80	77	80	77	80	77	80	77	80	77	80	77	80	77	80	77	80	77		
B INDUSTRY COMPETITIVENESS																																							
B1	Number of active seed companies (for focus crops only)	Crop 1	Maize	21	Maize	8	Maize	18	Maize	29	Maize	17	Maize	6	Maize	21	Maize	MD	Maize	15	Maize	68	Maize	14	Maize	MD	Maize	16	Maize	29	Maize	23	Maize	10	Maize	13	21		
		Crop 2	Rice	18	Rice	5	Wheat	8	Rice	19	Sorghum	6	Rice	12	Beans	19	Rice	MD	Rice	3	Rice	69	Bean	6	Rice	MD	Soya bean	12	Beans	6	Sorghum	14	Rice	4	Beans	8	14		
		Crop 3	Sorghum	16	Beans	6	Teff	9	Soya bean	15	Beans	13	Beans	7	Groundnut	14	Sorghum	MD	Cowpea	11	Sorghum	26	Wheat	1	Groundnut	MD	Sunflower	9	Soya bean	2	Beans	17	Groundnut	4	Soya bean	6	10		
		Crop 4	Cowpea	17	Soya bean	7	Sorghum	3	Cowpea	13	Cowpea	9	Groundnut	4	Soya bean	18	Cowpea	MD	Soya bean	6	Soya bean	26	Soya bean	8	Millet	MD	Wheat	4	Pigeon pea	3	Millet	5	Beans	4	Sorghum	7	9		
		Total		21	11	7	31	31	22	13	22	41	15	92	15	138	46	30	24	58	28	35	MD	46	30	24	58	28	35	MD	46	30	24	58	28	35			
B2	Quantity of seed sold (in metric tonnes)	Crop 1	Maize	5,991	Maize	1,807	Maize	27,756	Maize	5,550	Maize	45,822	Maize	172	Maize	11,738	Maize	1,946	Maize	4,375	Maize	24,738	Maize	2,677	Maize	11,712	Maize	33,223	Maize	8,308	Maize	18,633	Maize	33,018	Maize	44,150	16,566		
		Crop 2	Rice	4,251	Rice	430	Wheat	40,544	Rice	4,445	Sorghum	655	Rice	1,233	Beans	579	Rice	2,295	Rice	364	Sorghum	1,779	Wheat	919	Groundnut	75,286	Sunflower	2,444	Soya bean	4	Beans	3,971	Groundnut	291	Soya bean	1,078	6,174		
		Crop 3	Sorghum	1,460	Beans	331	Teff	2,654	Soya bean	967	Beans	1,421	Beans	193	Groundnut	702	Sorghum	374	Cowpea	364	Sorghum	1,779	Wheat	919	Groundnut	75,286	Sunflower	2,444	Soya bean	4	Beans	3,971	Groundnut	291	Soya bean	1,078	6,174		
		Crop 4	Cowpea	647																																			



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	Year	2020	2016	2016	2020	2020	2016	2020	2020	2016	2020	2020	2016	2020	2020	2016	2020	2018	2016	2016	2016	2020	2016	2016	2016	2020	2016	2016	2016	2016	2016	2016					
C. SEED POLICY AND REGULATION																																					
C1	Length of variety release process	Time (months)	42	26	46	9.2	34	43	2.5	24	24	24	50	NA	36	15	31	20	24	18	28																
		Satisfaction with variety release (out of 100)	NA	62	71	64	68	54	49	60	53	67	NA	74	80	70	57	84	83	66																	
C2.1	Status and implementation of national seed policy framework	Seed policy (year)	No seed policy	No seed policy	1993	2013	2010	No seed policy	2018	2009	No seed policy	2018	2009	No seed policy	2012	2017	No seed policy	2018	1999	No seed policy	2010	2018	1999	2018	2018	1999	2018	1999	2018	1999	2018	1999	2018	1999	2018		
		Latest amendment to seed law (year)	2006	2007 (draft)	2013	2010	2012	2006	1996 (2018)	2010	no law	2019	2016	1994	2015	2015	1994	2015	2017	2006	2016	2007	2017	2017	2017	2017	2017	2017	2017	2017	2017	2017	2017	2017	2017		
		Latest seed regulations (year)	2017	2007 (draft)	2016	2018	2016	2010	2018	2010	2018	2010	2017	1997	2015	1997	2015	2017	2017	2016	2016	2017	2017	2017	2017	2017	2017	2017	2017	2017	2017	2017	2017	2017	2017		
		Regional harmonization	harmonized (ECOWAS)	parliament approval pending (COMESA)	amendments on-going (COMESA)	harmonized (ECOWAS)	harmonized (COMESA)	amendments on-going (COMESA)	amendments on-going (COMESA & SADC)	harmonized (ECOWAS)	harmonized (SADC)	harmonized (ECOWAS)	harmonized (COMESA)	harmonized (ECOWAS)	not yet harmonized (SADC)	amendments on-going (SADC)	harmonized (COMESA)	regulations app. pending (COMESA)	harmonized (COMESA)																		
		Latest seed plan/strategy (year)	no seed strategy	no seed plan	2013	2015	no seed plan	2008	no seed plan	2015	2020	strategy (PSTA)	no seed plan	2015	2016	no seed plan	2015	no seed plan	2016	no seed plan	2016	no seed plan	2016	no seed plan	2016	no seed plan	2016	no seed plan	2016	no seed plan	2016	no seed plan	2016	no seed plan	2016		
C2.3	Quality of seed law/regulations	Industry opinion rating (out of 100)	NA	NA	65	NA	NA	65	NA	80	69	NA	68	75	79	70	70	70	73	73																	
	Quality of enforcement systems	Industry opinion rating (out of 100)	69	54	57	72	83	47	62	70	64	79	60	74	69	74	69	70	68	70	67																
C4	Adequacy of efforts to stamp eradicate counterfeit seed	Reported cases in 1 year	18	185	11	33	19	34	21	36	28	39	36	28	39	6	18	48	22	52	36																
		Industry opinion rating (out of 100)	71	22	74	70	37	55	50	52	74	52	72	52	70	59	79	59	57	56	57																
D. INSTITUTIONAL SUPPORT																																					
D1	Performance of national seed traders' association (Industry opinion rating out of 100)	Activity on limit seed sector issues	60	37	66	69	74	38	79	50	55	68	45	73	81	73	70	69	71	63																	
		Effectiveness in advocacy	62	32	53	69	64	41	71	43	52	64	40	66	82	75	68	64	64	59																	
		Managerial ability	68	32	63	69	65	44	74	53	62	74	40	59	86	71	68	65	63	60																	
		Providing value to members	63	30	64	64	67	39	73	54	60	48	59	65	69	67	65	50	59																		
		Democracy in elections	68	35	69	76	77	40	88	40	77	54	48	60	87	74	76	85	49	65																	
		Ability to mobilize resources	51	23	65	56	53	39	70	29	51	53	43	58	82	68	55	58	51	53																	
		Overall rating (out of 100)	63	32	66	69	67	45	76	40	59	60	48	62	81	71	68	69	60	60																	
D2	Adequacy of seed inspection services	# Public inspectors	94	105	32	45	33	60	23	60	25	60	8	21	0	48	14	35	14	40																	
		# Private inspectors	0	0	0	0	17	0	16	0	0	0	0	0	0	180	47	20	20																		
		# Total inspectors	0	105	32	45	50	60	39	60	25	60	8	21	180	48	14	118	61	54																	
		Industry opinion rating (out of 100)	78	33	68	75	79	63	69	70	59	73	70	22	79	59	53	67	84	65																	
E. SERVICE TO SMALLHOLDER FARMERS																																					
E1	Availability of agricultural extension services	Households per extension officer	424	5,898	592	594	1,078	26,000	2,007	598	1,045	7,500	124	MD	1,059	831	1,800	560	400	3,157																	
		Industry opinion rating (out of 100)	72	54	55	61	47	40	45	72	56	55	67	22	46	56	47	55	72	54																	
E2	Concentration of agro-dealers network	Number of agro-dealers	1,460	161	650	3,543	5,726	140	1,565	3,003	211	MD	1,460	97	NA	2,000	725	450	1,278	1,498																	
		Agricultural households/agro-dealer	1,173	43,882	24,294	622	978	17,300	2,157	268	15,000	MD	1,440	7,788	NA	2,900	3,276	438	8,768																		
		Industry opinion rating (out of 100)	50	30	47	63	73	64	67	72	57	51	51	25	61	66	56	57	57	57																	
E3	Availability of seed in small packages (% of seed sold in packages of 2kgs or less)	Crop 1	Maize	52%	Maize	28%	Maize	0%	Maize	55%	Maize	82%	Maize	27%	Maize	10%	Maize	18%	Maize	66%	Maize	41%	Maize	54%	Maize	0%	Maize	3%	Maize	93%	Maize	27%	Maize	20%	Maize	12%	35%
		Crop 2	Rice	5%	Rice	26%	Wheat	0%	Rice	4%	Sorghum	88%	Rice	35%	Beans	95%	Rice	2%	Rice	60%	Rice	4%	Bean	0%	Soya bean	0%	Beans	92%	Sorghum	5%	Rice	0%	Beans	7%	25%		
		Crop 3	Sorghum	11%	Beans	31%	Teff	0%	Soya bean	8%	Beans	84%	Groundnut	45%	Sorghum	19%	Cowpea	88%	Sorghum	16%	Wheat	0%	Groundnut	0%	Sunflower	1%	Soya bean	34%	Beans	7%	Groundnut	0%	Soya bean	18%	23%		
		Crop 4	Cowpea	9%	Soya bean	55%	Sorghum	0%	Cowpea	37%	Cowpea	98%	Groundnut	28%	Soya bean	60%	Cowpea	16%	Soya bean	14%	Soya bean	0%	Millet	0%	Wheat	30%	Pigeon pea	30%	Millet	18%	Beans	4%	Sorghum	6%	23%		
		Industry opinion rating (out of 100)	MD	57	60	MD	MD	50	MD	71	73	MD	49	MD	50	86	MD	72	64																		
E4	Seed-to-grain price ratio at planting time	Maize (seed price / grain price)	OPV	3.3	OPV	5.0	OPV	3.6	OPV	3.0	OPV	2.5	OPV	2.4	OPV	2.9	OPV	3.3	OPV	3.8	OPV	3.5	OPV	3.2	OPV	2.9	OPV	5.0	OPV	5.2	OPV	2.0	OPV	10.0	OPV	3.6	
		Maize (seed price / grain price)	Hybrid	9.9	Hybrid	5.5	Hybrid	7.1	Hybrid	12.9	Hybrid	2.8	Hybrid	n/a	Hybrid	3.6	Hybrid	4.8	Hybrid	4.8	Hybrid	4.0	Hybrid	9.9	Hybrid	n/a	Hybrid	34.4	Hybrid	8.7	Hybrid	4.3	Hybrid	13.4	Hybrid	9.3	
		Crop 2 (seed price / grain price)	Rice	1.3	Rice	1.8	Wheat	1.9	Rice	1.0	Sorghum	1.8	Rice	2.3	Beans	1.8	Rice	3.8	Rice	3.3	Rice	3.7	Bean	2.4	Rice	1.7	Soya bean	4.9	Beans	1.4	Sorghum	3.7	Rice	1.4	Beans	2.1	
		Crop 3 (seed price / grain price)	Sorghum	4.2	Beans	1.4	Teff	1.4	Soya bean	1.9	Beans	1.2	Beans	2.2	Groundnut	1.5	Sorghum	6.7	Cowpea	1.5	Sorghum	3.1	Wheat	2.0	Groundnut	1.1	Sunflower	22.9	Soya bean	2.0	Beans	1.7	Groundnut	1.3	Soya bean	2.6	3.5
		Crop 4 (seed price / grain price)	Cowpea	2.8	Soya bean	1.6	Sorghum	2.2	Cowpea	1.8	Cowpea	1.3	Groundnut	1.5	Soya bean	1.4	Cowpea	2.7	Soya bean	2.1	Soya bean	1.6	Soya bean	1.6	Millet	3.0	Wheat	3.0	Pigeon pea	2.0	Millet	2.4	Beans	2.3	Sorghum	6.9	2.4
E4.1	Price of seed (USD per kg)	Maize (seed price in USD per kg)	OPV	0.9	OPV	1.6	OPV	0.6	OPV	0.7	OPV	1.9	OPV	0.6	OPV	1.9	OPV	1.3	OPV	1.9	OPV	1.3	OPV	0.7	OPV	0.9	OPV	1.2	OPV	1.3	OPV	0.8	OPV	1.5	OPV	1.4	
		Maize (seed price in USD per kg)	Hybrid	2.6	Hybrid	3.1	Hybrid	1.3	Hybrid	3.2	Hybrid	2.1	Hybrid	n/a	Hybrid	2.0	Hybrid	3.0	Hybrid	2.4	Hybrid	1.5	Hybrid	2.3	Hybrid	n/a	Hybrid	8.0	Hybrid	2.2	Hybrid	1.6	Hybrid	2.6	Hybrid	2.8	
		Crop 2 (seed price in USD per kg)	Rice	1.0	Rice	2.0	Wheat	0.7	Rice	0.7	Sorghum	1.8	Rice	0.6	Beans	2.7	Rice	0.8	Rice	1.4	Bean	0.7	Rice	0.8	Soya bean	2.4	Beans	1.1	Sorghum	1.0	Rice	1.8	Beans	2.8	1.5		
		Crop 3 (seed price in USD per kg)	Sorghum	1.4	Beans	2.3	Teff	1.1	Soya bean	0.8	Beans	2.3	Beans	1.3	Groundnut	2.5	Sorghum	3.0	Cowpea	1.7	Sorghum																