

Quality Assurance

Country: Kenya

	Profile Element	(Kenya)																																			
1	Focus crops for SSAT QA evaluation (Production in MT, FAOSTAT 2019)	<ol style="list-style-type: none"> 1. Maize (3,897,000) 2. Beans (747,000) 3. Cowpea (246,870) 4. Sorghum (288,000) 																																			
2	Agency(ies) in charge of seed quality assurance	Kenya Plant Health Inspectorate Service (KEPHIS)																																			
3	Agency(ies) in charge of phytosanitary inspections, testing and decisions	Kenya Plant Health Inspectorate Service (KEPHIS)																																			
4	Names of key policy, legislative and regulatory documents governing QA, and official adoption date for each	<ol style="list-style-type: none"> 1. Kenya Seed Policy, 2010 2. KEPHIS Certification Guidelines 2017 3. Seeds and Plant varieties Act (CAP 326) - 1991, revised 2012 4. Seeds and Plant Varieties (Seeds) Regulations, 2016 5. The Updated National Varieties List, 2020 6. Plant Protection Act, 2012 (CAP 324) 7. COMESA Seed Trade Harmonization Regulations, 2014 																																			
5	Authorized seed classes in the country	<ol style="list-style-type: none"> 1. Breeder Seed 2. Pre-basic 3. Basic 4. Certified Seed (1st & 2nd generation) 5. The Standard Seed 																																			
6	Quality assured seed volumes, by crop and seed class for the last four years	<table border="1"> <thead> <tr> <th colspan="5">CERTIFIED SEED PRODUCTION (MT) - KEPHIS</th> </tr> <tr> <th>Crop</th> <th>2017</th> <th>2018</th> <th>2019</th> <th>2020</th> </tr> </thead> <tbody> <tr> <td>Maize</td> <td>54,555</td> <td>46,656</td> <td>32,692</td> <td>51,845</td> </tr> <tr> <td>Beans</td> <td>389</td> <td>2,027</td> <td>1,021</td> <td>892</td> </tr> <tr> <td>Cowpea</td> <td>177</td> <td>342</td> <td>243</td> <td>154</td> </tr> <tr> <td>Sorghum</td> <td>293</td> <td>108</td> <td>506</td> <td>707</td> </tr> <tr> <td>Total</td> <td>55,414</td> <td>49,133</td> <td>34,462</td> <td>53,598</td> </tr> </tbody> </table>	CERTIFIED SEED PRODUCTION (MT) - KEPHIS					Crop	2017	2018	2019	2020	Maize	54,555	46,656	32,692	51,845	Beans	389	2,027	1,021	892	Cowpea	177	342	243	154	Sorghum	293	108	506	707	Total	55,414	49,133	34,462	53,598
CERTIFIED SEED PRODUCTION (MT) - KEPHIS																																					
Crop	2017	2018	2019	2020																																	
Maize	54,555	46,656	32,692	51,845																																	
Beans	389	2,027	1,021	892																																	
Cowpea	177	342	243	154																																	
Sorghum	293	108	506	707																																	
Total	55,414	49,133	34,462	53,598																																	
7	Categories of key seed producers (estimated share of local production of quality assured seed)	<ol style="list-style-type: none"> 1. Government entities (7 parastatals and universities) - 50-60% 2. Private seed companies (Multinationals, regional, local) - 40-50% 																																			
8	Categories of key EGS producers (estimated share of local production of EGS)	<ol style="list-style-type: none"> 1. Public entities: Kenya Agricultural and Livestock Research Organization, National Irrigation Board, Kenya seed Company, Uniseed, Egerton Seed Unit, ADC - Public (90%) 2. Private: CG Centres e.g. CIMMYT, CIAT, ICRISAT, Own-seed companies, AATF, Qualibasic (10%) 																																			
9	Categories of seed distributors (estimated share of quality seed distribution)	<ol style="list-style-type: none"> 1. Agrodealers (Hub and retailers) - 91% 2. Direct seed company sales to subsidy, farmers and NGOs - 9% 																																			

	Profile Element	(Kenya)
10	Status of ISTA accreditation for laboratories	Has ISTA accredited labs; Analytical Chemistry and Plant Health Labs at KEPHIS headquarters, as well the National Seed Testing and Plant Health Labs at Nakuru. The Plant Quarantine and Biosecurity Station houses five plant health labs and associated facilities such as greenhouses and soil sterilization units
11	Are third-party inspectors, samplers and/or analysts allowable by law? If yes, year of legal mandate?	Yes, 2017
12	Are third-party inspectors, samplers and/or analysts active in practice? If yes, approximately how many are active?	Yes. Out of 32 gazetted private seed inspectors and 10 analysts, a total of 17 are in active practice as by 2019.
13	Extent of evidence of counterfeit seed activity	<ol style="list-style-type: none"> 1. 2016 Bayesian report on agrodealers found 41% of agrodealers to have received complaints of fake and low quality seed 2. 12 cases reported by both KEPHIS and seed companies in 2019, a 30% decline from 17 reported the previous year
14	Measures in place to mitigate the presence of counterfeit seed	<ol style="list-style-type: none"> 1. Enhanced penalties for fake seed dealers in the 2016 regulations 2. Introduction of Sticker Labels on seed packets below 5kgs 3. Constant surveillance and enforcement of regulations by KEPHIS 4. Public awareness creation by the regulator
15	Membership in international organizations (e.g. ISTA, OECD schemes by crop, trading blocs)	<ol style="list-style-type: none"> 1. OECD Seed Scheme, 1973 2. Member of ISTA, 1969 3. COMESA - 2014 4. International Plant Protection Convention (IPPC) 5. International Treaty on Plant Genetic Resources for Food and Agriculture (ITPGRFA) 6. Convention on Biological Diversity
16	Key QA information available on government seed regulator website(s)	<ol style="list-style-type: none"> 1. Updated Released Varieties 2. List of registration forms for certification 3. Online services e.g. Electronic Certification System, Plant Import and Quarantine Regulation System, Regulations and Standards
17	Status of telecommunications functionality in country	There are profiles of 19 companies, including Safaricom, which has the highest market share for mobile data subscriptions, and other major players such as Airtel Networks, Finserve Africa, Telkom Kenya, and Mobile Pay. Other companies profiled include iWay Africa Kenya, which announced an agreement to merge its internet service provider operations with Echotel International.

	Profile Element	(Kenya)
18	Status of Internet connectivity and functionality in country	<p>Access to the internet is mostly obtained through mobile phones, which have become increasingly available and affordable, and data subscriptions stood at 46.8 million, out of which nearly half were on broadband.</p> <p>Kenya has the world's highest mobile money penetration rate, with 58% of the population using mobile money. The first mobile money service in Kenya was launched in 2007. At the end of March 2019, active mobile money transfer subscriptions stood at 32 million and there were 223,084 mobile money agents. Over 80% of mobile money transactions in value terms are transferred to Safaricom's M-Pesa service. (Research & Markets, 2020)</p>
19	Status of physical infrastructure (roads, electricity, water) in the country	<p>Kenya's existing road network is comprised of 63,575 kilometres of classified roads and 114,225 kilometres of unclassified roads. Out of the total 177,800 kilometres of road networks, both classified and unclassified, only about 16,902 kilometres is paved.</p> <p>Kenya now has the highest electricity access rate in East Africa: total access stands at 75% both from grid and off-grid solutions, according to the recent Multi-Tier Framework Energy Access Survey Report.</p> <p>59% of people in Kenya have access to safe drinking water. UNICEF, 2020</p>
20	Security status in country	<p>Kenya is generally safe for business except North Eastern counties (Mandera, Wajir, Garissa, Lamu, Tana River) bordering Somalia that experiences sporadic terrorist activities due to Alshabaab terror groups.</p> <p>Northern parts of Kenya (Turkana, Marsabit, Baringo, Laikipia) experiences cattle rustling incidences that affect agricultural economic activities</p>