

Early Generation Seed

Country: Kenya

	Profile Element	Response
1	Focus crops for EGS evaluation	Maize, Cowpea, Beans, Pigeon pea, Green Grams, Sorghum, Irish potato
2	Authorized seed classes in the country	EGS- (Breeders, Prebasic and Basic) Certified 1, Certified 2, Standard seed
3	Description of legally permitted EGS production entities	KALRO Seed Unit, Seed companies
4	Government entities (and location) producing EGS by focus crop	KALRO Seed Unit, Tigoni, Kakamega, Kitale, Kiboko, Katumani; KSC- Kitale, ADC- Potato, maize; KALRO (including KALRO Seed Unit): KALRO Food Crops Institute in Trans-Nzoia (all 4 crop); KALRO Horticulture Institute in Tigoni (potatoes); KALRO Arid and Rangelands Institute in Katumani (maize, bean, pulses); (2) Egerton Seed Unit (bean, chickpea), Nakuru county; (3) UNISEED (bean); (4) Kenya Seed Company (and its subsidiary, Simlaw Seed) (maize, bean, pulses), Trans-Nzoia county); (5) ADC-Molo (potato, maize); Nakuru county
5	Presence of seed demand forecasting at the government institutional level	Crops Directorate MOA, KALRO Seed Unit (KSU),
6	Number of full-time breeders (note crop) and technicians by government EGS faculty	Potato 2- breeders, technicians, -2; Rice- 2 breeders- technicians, - 1, Beans: 3 breeders- technicians, Maize -11 breeders- 12- technicians, sorghum-2 breeders, technicians, - 1;
7	Private sector and other non-government entities (and location) producing EGS in the country	QBS- Taita Taveta- Gicheha, Kiboko, Marigat, Yatta, Marimanti and CIMMYT, ICRISAT, PABRA/IITA, National Potato Council contract farmers, Agrico, Kisima-Timau, Nakuru, SeedCo, Syngenta- Kenya
8	Estimated sources of EGS for focus crops for certified seed producers (% of total), e.g., importation from own company, specialized EGS company, CG centres, own local production, NARS, other certified seed company, etc.	NARS- KSU (20%), seed companies -KSC (30%), CG centres (5%), other private seed companies (45%) TASAI research tracks availability of basic seed, from perspective of seed companies: Seed companies highly satisfied with basic seed from KALRO, save for a few delays in delivery of maize basic seed. High satisfaction was for basic seed for bean, cowpea and sorghum
9	EGS seed volumes, by crop and seed class, for the last four years	Maize-Breeders seed-600kg, Basic seed-1,000,000K;
10	Adequacy of government-held nucleus and breeder seed available for EGS production	

11	Adequacy of EGS for commercial seed production, estimated % of the demand met	50%
12	Evidence of standardized descriptors for parental lines for focus crops	Available with various breeders
13	General status of line maintenance for key varieties of focus crops, to enable proper ongoing EGS production	Individual breeders responsibility
14	Infrastructure in place to support government EGS production - land for multiplication, irrigation, cold storage, QC labs, etc.	Land-Masongaleni, Kiboko, Njoro; cold store-Katumani; Kiboko, QC lab-KALRO-NARL, Kabete; Kiboko, Kakamega, Pekerra- irrigation
15	Infrastructure in place to support private-sector EGS production - land for multiplication, irrigation, cold storage, QC labs, etc.	QBS hires land from both private and public sector (KALRO) for EGS production
16	Implementation status of national QA for locally produced EGS	Well, implemented
17	Information about quality / effectiveness of national efforts to implement QA for imported EGS	Stringent regulation. KEPHIS implements multiple activities on quality assurance pertaining to importation of EGS. (i) Issuance of Plant Import Permits with details of the materials being imported; (ii) Conducting Pest Risk Analysis for imports. This has mainly been for fruit and vegetable, but the process is also available for the four crops: (iii) Quarantine as one of the post-entry Quality Control measures. 92 quarantine facilities approved in 2019/20. Of these, 9 were used for the four crops that year
18	Working status of pre-ordering and payment systems for EGS for focus crops	
19	Working status of certified seed producer allocation systems for EGS for focus crops	
20	Timely availability of up-to-date information on government websites for EGS availability, ordering and payment	Potato seed: National Potato Council of Kenya avails up to date information on available seed on their website. Information includes seed company, seed class, price of seed, and contacts. Maize, pulses, sorghum: information not readily available