



BOLD Genebanks and Seed Systems Toolkit

National seed demand and distribution profiles

Quantitative information on national seed demand and supply for different crops and varieties is essential to depict a general picture of seed system performances and hint at how well actors meet expectations related to their roles and activities. Such quantitative data may include the number of breeders working on different crops, the number of improved varieties in the official catalog, the volume of seeds produced for different classes of seeds, e.g., EGS, C1, C2, the number of registered seed-producing, and marketing enterprises, including international seed companies in the formal seed system. Researchers can compile this quantitative information from published national data and relevant national institutions for each data over a given period, e.g., five years. Relevant national data can also be obtained from available databases, e.g., [TASAI](#) and CGIAR's [DIIVA databases](#). Sometimes, actors in the seed system such as public seed enterprises, national agricultural research institutions, or the ministries of agriculture, can provide comprehensive data that they have responsibility for.

Data collection: We have suggested starting with the compilation of information in Tables 1-5 below. You may need to adjust these based on the information available in your country and/or add additional tables or information.

Source: The source of the data should be clearly referenced for each table,

Selection of key crops: each research team will need to decide which crops to collect data on, in consultation with NMBU.

Source: The tool is adapted from [The African Seed Access Index - TASAI](#)



Table 1. Number of breeders/breeding initiatives by crops/varieties (2022)

Crops	Public breeding		Private breeding		Other breeding initiatives (PPB groups)	
	Number Varieties released	Number breeders	Number Varieties released	Number breeders	Number Varieties developed	Number groups
Crop 1						
Crop 2						
Crop 3						
Etc.						

Table 2. Number of seed producers and volume of seeds they produce by crops/varieties (2022)

Crops	Public seed companies		Private seed companies		Others (cooperatives, etc.)	
	Seed produced (kg)	Number companies	Seed produced (kg)	Number companies	Seed produced (kg)	Number companies
Crop 1						
Crop 2						
Crop 3						
Etc.						

Table 3. Number of older varieties (>5 years since release) still in use in 2022.

Beginning of formal plant breeding in the country: _____ (specify year)

Crops	Variety	Year released
Crop 1	Var 1	
	Var 2	
Crop 2	Var 1	
	Var 2	
Etc		

Table 4. Quantity of certified and early generation seeds demanded and distributed, and seed to grain price ratio in 2022. If relevant, separate by type of variety (i.e., Hybrid Maize, OPV Maize, etc)

Crops	National seed demand	Certified seeds (kg)		EGS (kg)		Price (local currency)	
	Land area x sowing rate	Demand	distributed	Demand	distributed	Grain	Seed
Crop 1							
Crop 2							
Crop 3							
Etc.							

Table 5. Number of government extension agents in 2022 by region (or province, department, as relevant in your context).

Region	# women extension agents	# male extension agents	Total # extension agents
Region 1			
Region 2			
Region 3			
Etc.			
Total (national)			