Glossary of terms for seed
TECHNICAL COMMITTEE REPRESENTATION

The following organizations were represented on the Technical Committee:

The University of Nairobi
Kenya Agricultural and Livestock Research Organization
Kakuzi PLC
Simlaw seed company
Seed Trade Association of Kenya
Kenya Plant Health Inspectorate Services
National Potato Council of Kenya
Horticultural Crop Development Authority
National Public Health Laboratory
Ministry of Agriculture — Crop Division
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Glossary of terms for seed —
Foreword

This Kenya Standard has been prepared by Propagation Materials Technical Committee under the guidance of Standards Project Committee, and it is in accordance with the procedures of the Kenya Bureau of Standards.

This standard lists and defines terminologies used in the seed industry. The development of this standard is aimed at promoting common understanding of terminologies that relate to the seed industry.

In the preparation of this standard, reference was made to the following documents:

- MS 3.71 Specification for vegetable seeds for planting.
- Minimum seed certification standard, United States.
- International Crop Improvement Association, Publication No. 21.

Acknowledgement is hereby made for the assistance derived from these sources.
Glossary of terms for seed

1. Scope

This Kenya Standard lists terminologies as used in seed industry and provides their definition in relation to methods of production, processing and assessment of seed quality for planting purposes.

2. Terms and definitions

For the purposes of this Kenya Standard, the following terms and definitions shall apply:

2.1 agricultural seed
seeds of cereals, pulses, oil and nut crops, roots and tuber crops, fruit trees, beverage crops, medicinal plants and herbs, pasture legumes, vegetables, fibre crops, forage, herbage grasses, lawn grass and flowers, or any other kinds of seed commonly recognized

2.2 basic seed
Progeny of breeders seed or pre basic seed.

2.3 breeder
in relation to a plant variety, shall be the person who or institution which bred or discovered the variety or a person who or institution which holds the patent of the variety

2.4 breeder seed (pre-basic seed)
seed directly controlled by the originating plant breeding institution or person. It includes all generations of the breeding and selection process from the original parent material until the final generation which is considered ready for further multiplication as basic seed

2.5 seed class
a category of seed depending on the generation of the parent seed. Seed classes are recognized as breeder seed, pre basic, basic seed and certified seed

2.6 certified seed
seed that is produced from basic seed through one or two generations of multiplication

2.7 double cross hybrid
the first generation of a cross between two single crosses

2.8 dressed seed
seed given an application of an approved chemical designed to reduce, control or repel disease organisms, insects or any other pests which attack seeds or seedlings
2.10 inbred line
a relatively true breeding strain resulting from at least five successive generations of controlled self-fertilization or of back crossing to a recurrent parent with selection for desired traits

2.11 inspected commercial crop
crop which is not eligible for certification due to unknown percentage purity

2.12 labels
any tag, brand, pictorial mark or other description mark written, printed, stenciled, marked, embossed or impressed on or attached to a seed package and bearing details of the seed

2.13 labelling
The process of affixing a tag or identification mark so as to ensure correct identification of any container of seed

2.13 Seed lot
a quantity of seeds which is identified by the same number or other mark and which has been so handled that each portion or container is representative of the whole quantity

2.14 noxious weeds
weed species whose seeds are likely to be carried along with the seed during processing or has undesirable effects on the crop produced

2.15 off-types
plant of the same species which does not exhibit the recognized and accepted habit and characteristics of the variety being grown

2.16 open pollinated seed
seed produced as a result of uncontrolled pollination

2.17 percentage of germination
the percentage by number of pure seeds or clusters or pellets which are capable of producing normal seedlings under optimal conditions

2.18 percentage of hard seeds
the percentage of pure seeds which are incapable of sprouting promptly because their outer structures are impermeable to water

2.19 percentage of purity
the percentage by mass of pure seeds or of pure clusters of seed

purity
the percentage by weight of pure seeds as determined by purity analysis in the seed laboratory

2.20 pure germinating seed
the proportion of pure seed in a seed lot capable of germinating into a normal seedling under optimal germination conditions

**2.21 true seed**
a mature embryo resulting from fertilization. It does not include any vegetative material commonly referred to as 'seed' (e.g. seed tubers, setts, cuttings, apomitic seeds or grain intended for consumption or processing)

**2.22 seed borne disease**
a disease associated with the seed
2.23 **seed certification**
a process designed to secure, maintain and make available to the public, seed of superior performance as to ensure genetic identity and acceptable levels of purity, physical conditions, quality and health

2.24 **single cross hybrid**
the first generation of a cross of two inbred lines

2.25 **three-way cross hybrid**
the first generation of a cross between single cross and an inbred line

2.26 **tree and shrub seeds**
seeds of woody plants handled as commercial or certified planting materials for trees and shrubs

2.27 **variety**
a group of cultivated plants which are distinguished by known characteristics (morphological, physiological, cytological or chemical) which when reproduced (sexually or asexually) retain their distinguishing features

2.28 **vegetable seed**
seed of those food crops handled as certified planting materials for vegetable crops

2.29 **post control**
Growing of plants from the seed lots which have been tested or certified to further determine and confirm varietal purity and freedom from disease infestation

2.30 **National Designated Authority (NDA)**
an organization, or agency empowered by national legislation to administer the certification of seed cotton under this Standard.

2.31 **inspection**
examination of plants, seeds, units of presentation, equipment or facilities by National certification Authority, to determine compliance with regulatory requirements.

2.32 **generation**
the number of growing cycles since the first introduction in the field

2.33 **Objectionable weeds**
These include:

a) Plants whose seed may contaminate the crop-seed

b) Plants that may compete with the crop
c) Plants which may harbour pests and diseases

d) Plants that are difficult to eradicate once established