GOVERNMENT NOTICE NO. 37 published on 9/2/2007

THE SEEDS ACT, 2003

(No. 18 of 2003)

THE SEEDS REGULATIONS, 2007

amended in 2017 and 2023

Made under section 33

ARRANGEMENT OF SECTIONS

PART V
MARKING AND LABELING

PART VI
SEED CERTIFICATION

PART VII
SEED SAMPLING AND TESTING

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THE SEEDS ACT, 2003

(No. 18 of 2003)

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THE SEEDS REGULATIONS, 2006

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Made under section 33

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PART I
PRELIMINARY PROVISIONS

Short title and commencement date

1. These Regulations may be cited as the Seeds Regulations, 2006 and shall come into operation on the date of their publication.

Interpretation

2. -(1) In these Regulations, unless the context otherwise requires –

Act. No 18

"Act" means the Seed Act, 2003;

"authentic sample" means a sample for the released variety kept or maintained by a recognized gene bank for future reference;

"authorisation" means a formal of a person or organization as specified in these Regulations;

"authorized Analyst" means a person who has been authorized to undertake testing of seeds by the Tanzania Official Seed Certification Institute for the purposes of analyzing seeds;

"authorized field Inspector " means a person authorized to undertake field inspection by the Tanzania Official Seed Certification Institute;

"authorized Inspector " means a person authorized to undertake inspection of seeds by the Tanzania Official Seed Certification Institute;

"authorized laboratory " means a laboratory authorized by the Tanzania Official Seed Certification Institute for purposes of testing seeds;

"authorized sampler" means a person who has been authorized to undertake sampling of seeds by the Tanzania Official Seed Certification Institute for purposes of sampling seeds;

"authorized seeds Inspector" means a person authorized to undertake seeds inspection by the Tanzania Official Seed Certification Institute;

Act No.22 of 2002

"breeder" shall have a meaning ascribed to it under the Plant Breeders' Rights

Act;

"certificate of registration" means a certificate issued by the Director certifying that the holder of the said certificate is registered as a seeds dealer pursuant to section 16 of the Act;

“Chief Seed Certification Officer” means a person appointed and designated as Chief Seeds Certification Officer pursuant to paragraph 8 of the Schedule to the Act, and shall head the Tanzania Official Seed Certification Institute;

“Chief Seed Quality Controller” means the Director or any other person appointed by him under section 8 (2) of the Act;

“composite sample” means a combination of primary samples drawn from the same seed lot and placed in a suitable container;

“DUS” means Distinctness, Uniformity and Stability;

“fasten” with respect to package means sealing in such a manner that it is impossible to open the package, without leaving evidence of it having been opened;

“germination in respect to seed” means the emergency and development of the seedling to a stage where the aspect of its essential structures indicates whether or not it is able to develop further into a satisfactory plant under favorable condition;

“inert matter” means all seed-like structures from both crop and weed plants and other matter which is not defined as pure seed or other seeds;

"Institute" means the Tanzania Official Seed Certification Institute established by section 10 of the Act;

"inter-agency certification tag" means an official tag in respect of seeds that are certified by a Recognized Certification Agency;

“ ISTA” refers to International Seed Testing Association;

"lot number or designation" means a number, mark, symbol or test number that identifies a seeds lot;

“Ministry” means the Ministry responsible for agriculture;

“NPT” means the National Performance Trial;

“NPT-TC” means the National Performance Trial Technical Committee;

“NVRC” means the National Variety Release Committee;

“OECD” means Organization of Economic Cooperation and Development;

"official laboratory" means a seed testing laboratory under the management of the Tanzania Official Seed Certification Institute;

"official sample" means a sample of seeds that has been drawn by an Inspector in the prescribed manner;

"official tag" means a tag in respect of seed that is derived from a crop grown in Tanzania and classified by the Tanzania Official Seed Certification Institute;

“ other seed” ,means seed units of any plant species other than that of pure seed ;

“Permanent Secretary” means the permanent secretary in the Ministry for the time being responsible for agriculture;

“primary sample” means each probe, handful of Seeds drawn from a seeds lot as a sample and when a seeds lot is sampled either in containers or bulk, several primary samples are drawn from different containers or from

different places in the bulk;

“pure seed” means the species stated by applicant or found to predominate in the test and shall include all botanical varieties and cultivars of that species ;

“ release” means discharge for commercial multiplication, production or sale of seed or plant varieties;

"seed conditioning” means preparation by cleaning, processing, packing, treating or changing in any other manner the nature of a seeds lot;

"seed lot" means a specified quantity of seeds, each portion of which is within reasonable limits, uniform with respect to species, variety, purity, germination, and other quality requirements;

"Seed Testing Certificate" means a document issued by Tanzania Official Seed Certification or authorized seeds testing laboratory or a recognized seeds certification agency, certifying that the seeds identified therein meets the specified laboratory standards;

“seed certification” means a legally sanctioned system for quality control in the process of producing, processing and marketing of seed for the purposes of maintaining and ensuring quality and genetic purity;

“seed processing” means treatment of seed other than testing which the seeds is subjected to after harvesting;

“seed production” means operations leading up to and including harvesting of the seeds from the seeds field;

“Seed Testing Report” means a document issued by an official or authorize seed testing laboratory stating the results of the laboratory analysis requested;

“seed testing” means the examination of sample of seeds with a view to determine its quality;

“submitted sample” means a composite sample or portion of a composite sample of a size appropriate for tests submitted to a testing station for quality tests;

“TOSCI” means Tanzania Official Seed Certification Institute established under section 10 of the Act;

“undesirable seed” means seeds that are light, undersized, off-colour, shrunken, immature, damaged, diseased, injured, sprouted or frosted seed;

“UPOV” means Union for Convention on Protection for New Varieties;

"varietal blend" means a mixture seed that contains two or more varieties of the same plant species;

"variety name" includes a word, a number or a letter or combination of number and letter used to designate a variety; and

“working sample” means a portion of a submitted sample on which a quality test is made.

PART II
REGISTRATION OF SEED DEALERS

Submission of application

3.-(1**)** An application for the registration as seed dealer shall be submitted to the Director on Form SR I set out in the Fifth Schedule to these Regulations.

(2) The applicant shall submit -

(a) a certificate of training on seed from TOSCI;

(b) a copy of Memorandum and Articles of Association;

(c) a certificate of registration and extract from the register from a recognized Authority;

(d) a valid business license;

(e) Tax Identification Number (TIN);

(f) proof of payment of applicable fees as set out in the Sixth Schedule; and

(g) any other applicable requirements

(3) The Director shall register the applicant and issue a registration certificate contained as set out in Form SR II in the Fifth Schedule to these Regulations upon being satisfied that the applicant has complied with the requirements for registration.

Restriction for variety release

PART III
VARIETY RELEASE, REGISTRATION AND DEREGISTRATION

Establishment of sub- Committees

4. No variety shall be released in Tanzania unless it has passed DUS test, evaluated through the National Performance Trial and recommended for release by the National Seed Committee.

5.-(1) There are hereby established sub-Committees of the National Seed Committee to be known as the National Variety Release Committee (NVRC) and the National Performance Trial Technical Committee (NPT-TC).

(2) The National Variety Release Committee shall be responsible for reviewing recommendations from the National Performance Trial Technical Committee and recommend for variety release to the National Seed Committee.

Composition and meetings of the NVRC and NPT-TC

6.-(1) The National Variety Release Committee shall be composed of the following members:-

(a) the Director for the time being responsible for crop development who shall be the Chairman;

(b) the Director for the time being responsible for research in the Ministry;

(c) one officer responsible for co-ordination and supervision of plant quarantine services in the country;

(d) one officer responsible for co-ordination and supervision of seeds industry in the Ministry, who shall be the Secretary;

(e) Chief Seed Certification Officer;

(f) Curator of the gene bank at the National Plant Genetic Resources Centre;

(g) head of section responsible for National Performance Trial within the TOSCI;

(h) one plant breeder from agricultural universities to be appointed by the Permanent Secretary;

(i) one pathologist from research institute within the Ministry responsible for agriculture to be appointed by the Permanent Secretary;

(j) Registrar of Plant Breeders' Rights;

(k) a representative from Tanzania Seed Trade Association to be appointed by the Permanent Secretary upon recommendation by the respective association;

(l) Chief Executive Officer responsible for Agricultural Seed Agency

(m) a representative from the Plant Breeders' Association to be appointed by the Permanent Secretary upon recommendation by the respective association; and

(n) a representative from farmers association to be appointed by the Permanent Secretary upon recommendation by the respective association.

(2) The National Performance Trial Technical Committee shall be composed of the following members **:-**

(a) Chief Seed Certification Officer, who shall be the Chairman;

(b) one Seed technologist from department responsible for co-ordination and supervision of seeds industry in the Ministry to be appointed by the Permanent Secretary;

(c) one plant breeder from the department responsible for research in the Ministry to be appointed by the Permanent Secretary;

(d) head of section responsible for National Performance Trial within TOSCI, who shall be the Secretary;

(e) one plant pathologist from an agricultural university to be appointed by the Permanent Secretary, upon consultation with agricultural universities;

(f) one plant entomologist from any higher learning institution to be appointed by the Permanent Secretary, upon consultation with higher learning institutions;

(g) one plant breeder from plantation crops research institution to be appointed by the Permanent Secretary, upon consultation with respective institutions; and

(h) one seed producer representing Tanzania Seeds Trade Association to be appointed by the Permanent Secretary, upon consultation with respective associations;

(3) The National Variety Release Committee and the National Performance Trial Technical Committee may co-opt any person to attend its meetings.

(4) The National Variety Release Committee and the National Performance Trial Technical Committee shall regulate their own procedures for conducting meetings.

Application for variety release and procedure for conducting NPT

7.-(1) Any person who intends to release a variety shall be required to submit to the Tanzania Official Seed Certification Institute an application for DUS test and NPT, on Form SR IIIA and SR IIIB respectively, as set out in the Fifth Schedule to these Regulations.

(2) An application for DUS test shall be made one season prior to the application for NPT and shall be supported by the following:-

(a) sufficient seed sample for the first season DUS test;

(b) variety description;

(c) ~~application fees and~~ DUS testing fees as set out in the Sixth Schedule to these Regulations; and

(d) on-farm trial and farmers assessment data.

(3) Upon receiving the application and materials, TOSCI shall conduct a DUS test, repot the results to the applicant and issue the DUS test certificate for the qualified application on Form SR IV as set out in the Fifth Schedule to these Regulations.

(4) The application for NPT test shall be supported with the following:-

(a) a minimum of two recent previous seasons advanced yield trial data from not less than three recognized testing sites in Tanzania or any other country which is in agreement for harmonization of seeds policy and legislations with Tanzania, as set out in the Seventh Schedule to these Regulations;

(b) sufficient seed sample for conducting NPT and second DUS test;

(c) fees for the NPT and second DUS test; and

(d) any other additional information that may be required for determination of the merits of the candidate variety;

(e) on-farm trial and farmers assessment data.

(5) TOSCI shall conduct NPT for a minimum of one season in at least three sites as set out in the Seventh Schedule to these Regulations, and shall conduct second DUS test and submit the report to NPT-TC for review.

(6) TOSCI shall develop procedures and conditions for conducting DUS test and NPT for perennial crops.

(7) Upon completion of review of the NPT report, NPT-TC Secretary shall report the results to the applicant and present the NPT data and the recommendations of the NPT-TC to the NVRC on Form SR V as set out in the Fifth Schedule to these Regulations.

(8) The National Variety Release Committee shall review the recommendations of the NPT-TC and advise the National Seed Committee.

(9) In order for a candidate variety to be recommended for release to the National Seeds Committee, a breeder shall be required to submit to TOSCI an authentic sample of pre- basic seed for reference purpose.

(10) The amount of authentic sample referred to in sub- regulation (9) shall be:-

(a) four kilograms for cereals, pulses or any other big seed crops; or

(b) one hundred grams for small seed crops species

(11) TOSCI shall have discretion to determine the amount of authentic sample needed for plant species other than those referred under sub-regulation (10).

(12) A breeder shall be required to replenish the authentic sample as it may be required by TOSCI.

Variety registration

8.-(1) The Director shall register and issue a Certificate of Registration to the Applicant once his variety is approved by Minister pursuant to Section 21 of the Act.

(2) The Certificate of Registration of the varieties shall be on Form SR VI as set out in Fifth Schedule to these Regulations.

(3) The Director shall enter the information hereunder in the National Variety Catalogue upon registration:-

(a) name of registrant;

(b) variety name;

(c) plant species;
(d) registration number,
(e) registration date;
(f) date of release;
(g) name of breeder;
(h) origin of the variety;
(i) any other characteristics;
(j) area of adaptation;
(k) duration of maturity;
(l) yield potential;
(m) tolerance to insect pest;
(n) disease tolerance;
(o) end use;
(p) agency responsible for maintenance; and
(q) any other information deemed necessary.

Variety deregistration

9.-(1) the Director may, in consultation with the National Seeds Committee, deregister a variety upon proof that the variety is no longer conforming to its original description or has lost its qualitative and quantitative attributes for which it was released.

(2) Authentic seed sample of deregistered variety shall be sent to the national gene bank for conservation.

PART IV
SEED CLASSES AND STANDARDS

Class names and standards

10. Seed classes and standards for plant species for the purposes of these Regulations shall be as set out in the tables of class standard set out in the First Schedule to these Regulations.

Additional requirements with respect to standards

11.-(1) In addition to conditions set out under regulation 10, requirements prescribed by sub- regulation, (2), (3) and (4) of this regulation shall apply with respect to the standards of the appropriate plant species specified in the tables of class standards set out in the First Schedule to these Regulations.

(2) Seed of every plant species shall: -

(a) not contain any objectionable weed seed as provided in the Eight Schedule to these Regulations;

(b) if classified with the name of Tanzania seed class, not be mixed with any other seed class; and

(c) for each seed lot sold as “Pre- basic seed”, “Basic seed”, ”Certified 1” or “Certified 2:

(i) be uniform;

(ii) not containing moisture in excess of thirteen percent or such greater percentage as the Chief Seed Certification Officer may, prescribe for seed of a specified plant species; and

(iii) be free from undesirable seed and inert matter within the percentage allowed under these Regulations.

(3) Any seeds offered for sale shall be subjected to a test or tests after seven months from the date on which the last test was performed to determine the percentage of germination required to be shown on the label thereof;

(4) Without prejudice to the provision of sub-regulation (3), the Chief Seed Certification Officer may, prescribe longer or shorter periods for re-testing.

(5) It shall be the responsibility of seed dealer to call an Inspector for re-sampling for the purposes of re-testing and re-sealing of seed lots whose validity of germination test results have expired.

(6) Any seed dealer who contravenes the provisions of this regulation commits an offence.

PART V
MARKING AND LABELING

Restrictions to use variety name

12.-(1) No person shall mark or label a package of seed with a variety name unless that seed is of the variety to which the variety name refers.

(2) No person shall alter the name of a variety on the label of any seed container.

(3) Except for the mixture of lawn, turf grass or forage seed as specified in Tables 8, 9 and 11 set out in First Schedule to these Regulations, no person shall label a package of a mixture of seed with a variety name unless he is authorized in that behalf by the Chief Seed Certification Officer pursuant to Regulation 23, and the seeds to which the variety name refers is one of Tanzania seed class.

Necessary information in marking and labeling

13.-(1) The information required by these Regulations on the label or outside of a package of seed shall be conspicuously, legibly and indelibly written or printed in both English and Swahili, and shall appear on one exposed face of the package or label and shall be of a size and colour that can be easily read.

(2) No label shall contain any incorrect or misleading information, mark or brand name that might be construed as a variety name.

(3) For purposes of these Regulations, the seed certification seal and the tag colours described under this sub- regulation shall be used as follows-

(a) the seed certification seal shall be applied on all tags relating to seed of “Pre- basic”, “Basic”, “Certified 1” or “Certified 2” classes as classified in the Second Schedule to these Regulations;

(b) in the case of tag on a package containing Pre- basic Seeds, *white with diagonal violet* colour shall be used, with the word “Pre-basic” conspicuously applied across one side of the tag;

(c) in the case of tag on a package containing Basic seed, *white* colour shall be used, with the word “Basic” conspicuously applied across one side of the tag;

(d) in the case of a tag on a package containing “Certified 1” seed, *Blue* colour shall be used, with the word ”Certified 1”or “C_1”

conspicuously applied across one side of the tag;

(e) in the case of a tag on a package containing "Certified 2" seed, *Red* colour shall be used, with the word "Certified 2" or "C_2" conspicuously applied across one side of the tag;

(f) in the case of label on a package containing standard seed, the tag shall be *yellow* with the word " Standard" conspicuously applied across one side of the tag;

(4) The seed certification seal referred to in sub- regulation (3), shall be printed words thereon "Tanzania Certified Seeds" and for standard seed, the seal shall be printed with the words "Tanzania Standard Seed" and shall be of such material, shape, size as the Minister may approve.

General labeling requirements

14.-(1) Every package of seed marked with a class name shall have on its label a description that specifies the seed standard as provided for in these Regulations.

(2) Where the seed is a mixture or blend of two or more original seed lot of certified seed, the word "BLEND" preceded by the two digit seed year designation;

(3) Whenever seed is treated with a poisonous material it shall be thoroughly stained with a conspicuous contrasting colour to show that the seed has been treated and the container of such seed shall be marked or attached a conspicuous label reading as follows:-

"POISONOUS: DO NOT USE AS FOOD, FEED OR OIL; or SUMU: MBEGU HIZI SIO KWA MATUMIZI YA CHAKULA CHA BINADAMU AU WANYAMA.

"TREATED WITH……or "IMEWEKWA SUMU YA…….:- (Name of poisonous material or substance in bold letters in Swahili and English).

(4) Seed for sale shall be packed in packages unless-

(a) it is delivered in a bulk container that is labeled in accordance with these Regulations and accompanied with other relevant information for importation of seed as provided under regulation 33; or

(b) it meets the following conditions:-

(i) it is of one of the Tanzania seed classes and is on transit within Tanzania and accompanied by a transport order issued by Tanzania Official Seed Certification Institute or an authorized Inspector on Form SR IX as set out in the Fifth Schedule to these Regulations; and

(ii) it bears an inter-agency certification label pursuant to Regulation 23.

(5) No person, other than the ultimate user, shall remove label, seal or open mechanically sewn or closed package of the seed.

(6) Where certified seed lots are re- packaged, the re-packing shall be done only with the approval of the Chief Seed Certification Officer.

Application of labeling requirements

15. The labeling requirements prescribed under regulations, 10, 11, 12, 13 and 14 shall apply to seed of all plant species specified in these Regulations.

Labeling of seed specified in

16.-(1) Every package of seed, offered for sale, of the plant species

Tables of the First Schedule

specified in Tables 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 12, 13, 14, or 15, 18 and 19 set out in the First Schedule to these Regulations shall be labeled with the following information-

(a) the name and address of the seed dealer;
(b) the name of the plant species;
(c) the name of the variety of the seed;
(d) seed class;
(e) lot number;
(f) weight of the package;
(g) month and year of germination test;
(h) in the case of seed that is imported, the name of the country of production; and in the case of seed that is a blend of two or more varieties, the name of each of the component varieties.

(2) For the purpose of sub - regulation (1), seeds provided hereunder shall be kind of seeds for purposes of these Regulations:

(a) "open pollinated", is a seed produced by means other than controlled and selective breeding;
(b) "varietal cross", is a seed of the first generation of a cross between two named open pollinated varieties, or an open pollinated variety and a hybrid;
(c) "top cross", being seed of the first generation of a controlled cross between a named open pollinated variety and an inbred line;
(d) "hybrid", is a seed of the first generation of a cross between two or more inbred lines or their combination including single crosses, double crosses and three-way crosses;
(e) "composite variety", is a seed derived from selected strains which have been allowed to freely inter-pollinate;
(f) "inbred line", is a seed derived from a relatively homogeneous line produced by inbreeding and selection;
(g) "synthetic variety", is a seed produced through a combination of several intercrosses of genotypes which have been previously tested for their combining ability;
(h) "single cross hybrid", is a seed obtained by crossing two unrelated homozygous strains to obtain uniform and enhanced trait expression in the first generation;
(i) "a three way cross hybrid", is a seed obtained by crossing three unrelated homozygous stains to obtain uniform and enhanced trait expression in the first generation heterozygote; and
(j) "a double cross hybrid", is a seed obtained by crossing four unrelated homozygous strains or two unrelated single cross hybrids to obtain uniform and enhanced trait expression in the first generation heterozygote.

Labeling of mixtures of seed

17. Every package of a mixture of seed, offered for sale, of the specified in the Table 11 set out in the First Schedule of these Regulations shall be labeled with:

(a) the name and address of the dealer;

(b) seed class;
(c) the name and percentage by weight of each in the mixture, in order of its predominance;
(d) the name of the variety of each plant species in the mixture.
(e) germination percentage of each component of the mixture, in order of its predominance;
(f) month and year of germination test; and
(g) in the case of seed that is imported, the name of the country of production;

Labeling of roots, tubers, and pyrethrum seed

18. Every package of seed, offered for sale, of the plant species specified on Table 16 set out in the First Schedule to these Regulations shall be labeled with:

(a) the name and address of the dealer;
(b) the name of the plant species;
(c) the name of the variety roots or cuttings, as the case may be;
(d) seed class and year of production;
(e) germination or sprouting percentage if applicable;
(f) month and year of germination or sprouting test; and
(g) lot number.

Labeling of onion sets and multiplier onions

19. Every package of onion sets and multiplier onions offered for sale shall be labeled with:

(a) the name and address of the dealer;
(b) the term "onion sets" or "multiplier onions";
(c) class of the onion sets and multiplier onions as set out in Table 17 of the First Schedule to these Regulations;
(d) germination or sprouting percentage;
(e) lot number;
(f) month and year of germination test; and
(g) in the case imported, the name of the country of production.

Labeling of forage seed

20. Every package of seed, offered for sale, of plant species specified in Tables 8 and 9 set out in the First Schedule to these Regulations, shall be labeled with:

(a) the name and address of the dealer;
(b) the name of the plant species;
(c) seed class;
(d) variety name;
(e) country of production if it is imported;
(f) germination percentage;
(g) lot number; and
(h) month and year of germination test.

Labeling mixtures of Seed specified in Tables 8 and 9 of First Schedule

21.-(1) Every package of a mixture of forage seed offered for sale, of the plant species specified in Tables 8 and 9 set out in First Schedule to these

Regulations shall be labeled with:

(i) the name and address of the dealer;
(ii) seed class;
(iii) the name and percentage by weight of each in the mixture, in order of its predominance;
(iv) the name of the variety of each plant species in the mixture.
(v) germination percentage of each component of the mixture, in order of its predominance;
(vi) month and year of germination test; and
(vii) in the case of seed that is imported, the name of the country of production;

(2) The information stated on a package or label pursuant to paragraphs (b), (c) and (d) of sub regulation (1) of this regulation shall be on the same face of the package or label and shall be of the same type of printing or lettering.

Official tag

22.-(1) Every package of seed produced in Tanzania and classified with the name of one of the Tanzania seed class shall be fastened and tagged with an official tag authorized by the Chief Seed Certification Officer.

(2) The domestic tag referred to under sub-regulation (1) shall contain the:

(a) name of the plant species;
(b) name of the variety;
(c) seed class;
(d) serial number of the label or tag;
(e) seed certificate number; and
(f) lot number.

(3) The tags referred to under sub-regulation (1) shall be supplied only to seed dealers applying for these tags and furnishing an Inspector with-

(a) a declaration of the grower declaring that the seed to which the tags are to be applied is derived from the crop in respect of which the final field inspection results specified in form SR VIII B set out in the Fifth Schedule to these Regulations; and
(b) a declaration of the applicant, if the applicant is not the grower, declaring that the seed referred to in the grower's declaration is the seed to which the labels are to be applied and that the seed has not been mixed or contaminated while in the possession of the applicant.

(4) The tag for standard seed, shall contain the:

(a) name of the seed;
(b) name of the variety of the seed;
(c) name of the class of the seed;
(d) serial number of the tag; and
(e) lot number.

Inter-agency labels

23.–(1) Every package of seed of foreign origin classified with the name of the Tanzania seed class shall be fastened and tagged with an inter-agency certification tag authorized by the Chief Seed Certification Officer;

Provided that, for any package of seed which originates from an East African Community member country, *grey* colour shall be used.

(2) The inter-agency certification tag referred under sub-regulation (1) shall contain the:

(a) name of the plant specie;
(b) name of the variety;
(c) seed class;
(d) name of the country of production;
(e) serial number of the tag; and
(f) lot number.

(3) Inter-agency certification tags referred to under sub-regulation (1) shall be supplied only if the seed dealer applying for these tags furnishes an Inspector with-

(a) seed inspection report from a certification agency recognized by the Tanzania Seed Certification Institute; and
(b) particulars of the information on the tag of the foreign certification agency.

General provisions with respect to official and inter-agency labels

24.-(1) An official tag or inter-agency certification tag shall only be applied to containers for which the tags were issued.

(2) Except where the Chief Seed Certification Officer directs otherwise, an official or inter-agency certification tag shall not contain anything other than the information required by regulations 18 or 19.

(3) An official tag or inter-agency certification label shall be affixed to a seed container by an Inspector

Chief Seeds Certification Officer to authorize use of official or inter-agency certification tags

25.-(1) The Chief Seed Certification Officer may, authorize any seed dealer to affix an official tag to seed of one of the Tanzania seed class, if that person:-

(a) has seed processing equipment and facilities adequate for the proper processing of seed;
(b) has adequate facilities to maintain the identity of different seed lots; and shall return to the Chief Seed Certification Officer on request by him any label supplied pursuant to regulations 18 or 19.

(2) Where the Chief Seed Certification Officer is of the opinion that the seed dealer authorized to affix official labels pursuant to sub-regulation (1) is not complying with the provisions of regulations 18, 19 and 20 of these Regulations, the Chief Seed Certification Officer may withdraw the authority granted under sub-regulation (1).

PART VI
SEED CERTIFICATION

Restrictions

26.-(1) No seed shall be certified unless, it has been produced, inspected,

on uncertified seed

sampled, tested, and complied with the standards set out in the First Schedule to these Regulations.

(2) Any variety released and registered in Tanzania pursuant to regulation 4 and 8 and any other variety registered in accordance with agreement for harmonization of seeds policy and legislations with Tanzania shall be eligible for certification.

(3) Seed shall be classified in four classes as set out in the Second Schedule of these Regulations.

(4) Minister may make rules and procedures for certification and control of Quality Declared Seed and tree seed.

Seed crop inspection

27.-(1) Every seed grower or his agent shall, within thirty days after a seed crop is planted, apply for field inspection by completing Form SR VII set out in Fifth Schedule of these Regulations upon payment of fees set out in Sixth Schedule to these Regulations.

(2) An application of field inspection may be refused by the Tanzania Official Seed Certification Institute if it is made thirty days after planting.

(3) A field inspection for the purpose of certification shall be conducted by the field inspector or authorized Inspector and shall be confined to the field of a registered seed producer.

(4) In inspecting the field, the Inspector or the authorized inspector shall ensure that all field standards as provided in Part II set out in the First Schedule to these Regulations are complied with.

(5) The Field Inspector or authorized inspector shall have powers to enter into any field registered for inspection and shall not approve any field or part thereof if satisfied that it does not meet the prescribed field standards.

(6) The Field Inspector or the Authorized Inspector shall visit each unit of certification and conduct at least a minimum number of inspections required for each seed crop.

(7) The Field Inspector or Authorized Inspector shall make proper counts of plants or heads of plants as deemed necessary fit and the minimum counting shall be:

(a) up to two hectares, five counts shall be used; and

(b) for each addition of two hectares up to fifty hectares, one more count shall be needed,
beyond fifty hectares, one additional count shall be needed for every four hectares.

(8) The minimum number of plants or heads per count required for each crop

(9) Inspection may include pre-planting, nursery, pre-harvest, post harvest

(10) It shall be the responsibility of the seed grower to observe the recommended cultural practices at every stage of seed production for each unit of

(11) Upon completion of every field inspection, the Inspector or Authorised Inspector may advise the seed grower on any non- compliance of the inspection and in case there is a need to undertake re- inspection, the seed grower shall bear the cost

(12) The result of each field inspection shall be issued on Form SR VIIIA set

Inspector and the grower or his representative.

(13) Upon completion of the field inspection, the Inspector shall accord appropriate class any seed crop which meets the standards and fill in a Final Inspection Result in Form SR VIIIB as set out in the Fifth Schedule to these Regulations and the results shall be signed by both field inspector and the grower or his dully authorized representative.

Appeal against the result of field inspection

28-(1) Where a registered grower or his agent disagrees with the results of any field inspection, he may appeal within seven days from the date of the issuance of the results of the inspection to the Chief Seed Certification Officer.

(2) The Chief Seed Certification Officer shall determine the appeal and issue his decision in writing within fourteen days from the date of receipt of the appeal.

(3) Where the Chief Seed Certification Officer is satisfied with the grounds of appeal, he shall approve for a re-inspection.

(4) Re-inspection shall be carried out by the team comprising of –

(a) one senior Inspector;

(b) one breeder; and

(c) the aggrieved seed producer or his dully appointed representative.

(5) The aggrieved grower shall pay the re- inspection fee which shall be refunded to him in case the re-inspection is proved to be in his favour.

Harvesting of seed

29.-(1) The seed grower shall ensure that the seed quality is maintained during harvesting and transportation to the processing plants.

(2) Where the processing plant is located far from the seed field, seed grower shall ensure that transportation of seed is done under close supervision of an Inspector or Authorised Field Inspector and after obtaining a transport order in Form SR IX as set out in the Fifth Schedule to these Regulations.

(3) Before seeds are transported the Inspector or a person authorised shall mark the container with indelible ink.

Seed processing

30.-(1) A registered seed processor shall processes only seeds from the approved fields or seeds permitted to be imported into Tanzania.

(2) Every seed processor shall notify the Chief Seed Certification Officer or any authorized officer before processing any seed lots and upon such notification, the Chief Seed Certification Officer or authorized officer shall issue a work order to the dealer in Form SR X set out in the Fifth Schedule to these Regulations.

(3) The Seed Inspector or authorized Seed Inspector may enter and inspect the premises for seed processing.

(4) The processed seed shall be properly marked and stored separately in identifiable seed lots.

Storage of processed seed

31.–(1) Each container or bag of processed seed in every lot shall be properly labeled and identified.

(2) Seed lot shall be kept in a way to ensure the limits set for moisture and other quality attributes.

Seed for sale

32.-(1) No seed shall be offered for sale unless it is certified in accordance to

these Regulations or rules made under regulation 26(4).

(2) Every seed dealer shall be responsible for the quality of any seed he sells or offers for sale.

(3) A seed dealer may appoint an agent or a stockist with knowledge, ability and appropriate facilities to maintain the quality and viability of the seed offered for sale.

(4) The agent or stockist appointed pursuant to sub-regulation (3), shall have a valid registration certificate for dealing with seed business issued by the Director pursuant to Section 16 of the Act.

(5) Where a Seed Inspector or an authorized inspector has reasonable grounds to believe that any seed or seed lots is being sold without having reached minimum prescribed standards or in violation of any provisions of the Act and these Regulations, may immediately issue a stop sale order on Form SR XI set out in the Fifth Schedule to these Regulations.

Seed importation

33.-(1) Every seed dealer who, intends to import seed into Tanzania, shall submit to the Director a notice of intention to import such seed on Form SR XII set out in the Fifth Schedule to these Regulations.

(2) the notice under sub-regulation (1) shall specify:-

(a) name and address of importer;

(b) country of origin;

(c) name and address of importer;

(d) the quantity of seed;

(e) expected date of arrival of consignment; and

(f) the species and the cultivar.

(3) Upon receipt of such notice, the Director shall issue a seed import permit in Form SR XIII set out in the Fifth Schedule to these Regulations.

(4) Any seed imported under this regulation shall not be sold unless its quality has been examined and approved by TOSCI or any other certification agency which is in bilateral agreement with Tanzania as regard to seed certification.

(5) Any imported seed shall be accompanied by certificate of quality issued by a Recognized Certification Agency, phytosanitary certificate and shall meet Tanzanian quarantine requirements as provided in the Plant Protection Act.

Seed exportation

34.-(1) Any seed dealer who intends to export seed from Tanzania, shall submit to the Director a notice of intention to export on Form SR XIV set out in the Fifth Schedule to these Regulations.

(2) The notice under sub -regulation (1) shall be accompanied with an import permit from the country to which seed is exported and shall specify the quantity, plant species and variety to be exported.

(3) Upon receipt of such notice, the Director shall issue seed export permit on Form SR XV set out in the Fifth Schedule to these Regulations.

(4) The exporter shall ensure compliance with all conditions for export of seed as provided in the Plant Protection Act.

Pre and post control plots

35.- (1) Any seed lots officially sampled and tested pursuant to these Regulations shall be grown in post control plots in accordance with OECD seed

scheme.

(2) Control plots referred to under sub-regulations (1) shall be open for examination and assessment by all parties interested in the seed industry.

(3) Upon completion of the examination and assessment of control plots, the Field Inspector or Authorized Inspector shall write a report on the number of off-types, other varieties, variety identity, purity, diseased plants and other diversions observed in the plots.

PART VII
SEED SAMPLING AND TESTING

Sampling of Seeds

36.-(1) Any seed sample for testing shall be taken by a Seed Inspector or Authorised Inspector in accordance with the requirements prescribed under these Regulations.

(2) The sample referred to under sub- regulation (1) shall be provided to the Seed Inspector or Authorized Inspector free of charge for purposes of laboratory seed testing and post control planting and examination.

(3) Where an Inspector requires a larger amount of seed sample as he considers it necessary for satisfactory testing, re-testing or analysis, the size of each sample shall comply with the particulars set out in the Third Schedule to these Regulations.

(4) Each seed sample shall bear a unique sample number for reference.

(5) Seed lots shall be created at the time of sampling and shall not exceed the maximum weights prescribed in these Regulations.

(6) Where automatic samplers have not been installed, a seed dealer shall arrange the packages in such a way to enable the seed Inspector or Authorized Inspector to reach all packages and draw samples.

(7) Sampling of seed lots shall be conducted in accordance with the current Rules of ISTA.

(8) Seed from different fields of the same class, species and variety which have passed field inspection and which can be traceable, may be blended and bulked to constitute one seed lot.

(9) The seed dealer shall provide reliable scales for ascertaining the weight of a seed lot.

(10) The seed dealer shall pay appropriate fees for seed sampling as set out in the Sixth Schedule to these Regulations.

Sampling intensity

37.-(1) When sampling seed lots in a container that can be sealed, the sampling intensity hereunder shall be taken as the minimum requirements:-

(a) seed not exceeding 500 kg.- five primary samples shall be taken except that for small lots not exceeding 50 kg. three or four samples may be taken;

(b) seed exceeding 500 kg. – but not exceeding 3,000 kg. – one primary sample for every 300 kg. shall be taken, so however, that not less than five primary samples shall be taken;

(c) seed exceeding 3,000 kg but not exceeding 20,000 kg. – one primary sample for every 500 kg. shall be taken, so however, that not less than

10 primary samples shall be taken; and

(d) seed in bulk shall be sampled at random locations and the samples shall be drawn from varying depths.

(2) For seeds lots in bags or other containers up to 100kg capacity, samples shall be taken at random locations and the intensity hereunder shall be taken as the minimum requirements:-

(a) from 1 – 4 containers , three primary samples from each container;

(b) from 5 – 8 containers, two primary samples from each container;

(c) from 9 -15 containers, one primary sample from each container;

(d) from 16 -30 containers, 15 primary samples total;

(e) from 31 -59 containers, 20 primary samples total;

(f) from 60 or more containers, 30 primary samples total.

Seeds testing

38.-(1) Seed testing for the purpose of certification shall be conducted by an official seed testing laboratory or any authorized laboratory.

(2) Any sample drawn or by the Seed Inspector or Authorized Inspector or taken by any private individual shall be submitted to the seed testing laboratory together with Form SR XVI set out in the Fifth Schedule to these Regulations.

(3) Seed testing laboratory shall:-

(a) test seed in accordance with the ISTA Rules;

(b) in case for samples submitted by the Seed Inspector or Authorized Inspector, record results of the seed test on a certificate in Form SR XVII set out in the Fifth Schedule to these Regulations;

(c) in case of samples submitted by the private individual, record results of seed testing report on Form SR XVIII set out in the same Schedule; and

(d) store the sample under optimal storage conditions for at least twelve months from the date the test results certificate was issued.

(4) Notwithstanding the provision of sub- regulation 3(d), the testing laboratory shall not be held responsible for any deterioration of the sample that may occur.

PART VIII
MISCELLANEOUS

Exemption

39. The Minister may by order published in the Gazette, exempt some seed or class of seeds from the provisions of these Regulations.

Fees

40.-(1) The fees set out in the Sixth Schedule to these Regulations shall be payable in respect of all services as provided therein.

(2) The fee for any service shall be paid at the time when the application for a particular service is made.

(3) The Minister may, by notice in the *Gazette,* remit in whole or in part any fees payable by any person in respect of any service, if he is satisfied that it is in the public interest to do so.

Appeals

41.-(1) Any person who is aggrieved by the decision of any officer or the National Performance Trial-Technical Committee or National Variety Release Committee in the administration of the Act or these Regulations, may appeal to the

National Seed Committee.

(2) Any person who is aggrieved by the decision of the National Seed Committee may appeal to the Minister within fourteen days upon receipt of such decision.

(3) Any appeal whose time limit has not been specifically provided under the Act or these Regulations shall be made to the Minister within fourteen days from the date of receiving of a particular decision.

Authorisation of Inspectors, Samplers and Analysts

42.-(1) Any person who wishes to be authorized as seed testing laboratory, an Inspector, Seed Sampler, or Analyst for the purposes of these Regulations, shall apply in writing to the Chief Seed Certification Officer to that effect.

(2) The application made under sub-regulation (1) shall be accompanied with documentary evidence showing that the applicant is trained on principles and practices of seed testing, field or seed inspection, seed conditioning or seed sampling.

(3) The application under sub-regulation (1) shall be accompanied with appropriate fees as set out in Sixth Schedule to these Regulations.

(4) The Chief seed Certification Officer may after recommendation of the Management Committee of TOSCI and upon satisfied that the Applicant is capable to be authorised as an Inspector, Sampler or Analyst issue an authorisation Certificate on Form SR XIX set out in Fifth Schedule to these Regulations.

(5) TOSCI shall from time to time issue guidelines and other requirements as regard to the authorisation of Inspectors, Samplers, Analysts and seed laboratories.

(6) The Chief Seed Certification Officer shall renew annually the authorisation upon payment of the prescribed annual fees as set out in Sixth Schedule to these Regulations.

(7) Authorisation referred under this regulation shall be limited to the activities for which the authority has been granted.

Suspension or cancellation of authorisation

43.-(1) The Chief Seeds Certification Officer may suspend or cancel the authorisation issued under regulation 42, if:-

(a) a false or misleading information has been submitted in support of the application for the authorisation; or

(b) the authorised person has not complied with the provisions of the Act or these Regulations; or

(c) the authorised person has not paid the applicable annual fee before 1st January of the year in respect of which the authorisation is to be renewed; or

(d) the authorised person has provided or maintained false or misleading records or samples in respect of any seed.

(2) The Chief Seed Certification Officer shall not suspend or cancel the authorisation under this regulation unless:-

(a) the authorized person has been informed in writing the reasons for suspension or cancellation;

(b) the authorized person has been given an opportunity to be heard, either

by written or oral representations, in respect of the suspension or cancellation; and

(c) the authorized person has been issued with a fourteen days prior notice of intention to suspend or cancel the authorisation.

(3) A suspension of an authorisation shall remain in effect until:-

(a) the Chief Seeds Certification Officer has been satisfied that the suspended person has taken corrective measures; and

(b) the Chief Seeds Certification Officer notifies the suspend person in writing that the suspension has been lifted.

Change of variety name

44.-(1) The Director may after consultation with the National Seed Committee, approve change in variety name.

(2) the variety name may be changed pursuant to this regulation, if the Director is satisfied by the information received from the breeder that justifies change in variety name.

(3) Change of variety name shall come into effect on the date on which the Director approves.

Detentions and stop sale order

45.-(1) Any seed or package seized pursuant to subsection (4) of section 22 of the Act may be detained by an Inspector at any place by attaching a detention tag or mark to:-

(a) where only the seed is seized, the package provided by the institute and in which the seed is placed;

(b) where only the package is seized, the package;

(c) where the package and the seed are seized, the package; and

(d) where a seed lot in packages is seized, at least one package of the seed lot.

(2) On attaching a detention tag or mark to the appropriate package referred to in sub-regulation (1), the Seed Inspector or an authorised inspector shall issue a stop sale order as provide under regulation 32 (5) to the person entitled to possession, at the time of seizure, of the seed or package, as the case may be.

(3) No person shall alter or remove a detention tag or mark attached to a package or sells any seed or package detained pursuant to these Regulations.

(4) No person shall move any seed or package detained pursuant to sub-regulation (1), except where an inspector issues a written authorization indicating that the seed or package shall be placed in a safer or more convenient location.

(5) Upon issuance of detention order, an inspector shall take or cause to be taken a sample of each seed lot that has been detained.

(6) Where any seed has been placed under detention or stop sale by an inspector under this regulation, the owner or the person in possession of that seed may apply to the inspector for the release of the seed.

(7) No seed under detention or stop sale order shall be released unless the person applying for the release has fulfilled to the satisfaction of the Chief Seed Certification Officer all the requirements of the Act and these Regulations.

(8) On release from detention of the seed or package, an inspector shall issue a notice of release to the person who was in the possession of the detained seed.

(9) Any Seeds or package forfeited to the Government under the provisions

of the Act or these Regulations shall be disposed of in such manner as the Chief Seeds Quality Controller may, with the approval of the Minister, direct.

(10) Costs incidental to the detention shall be payable and recoverable from the person whose seed have been detained.

Offence

46. Any person who contravenes the provision of these Regulations commits an offence, except as otherwise provided, be liable upon conviction to a fine not less than one million shillings but not exceeding five million shillings or to imprisonment for a term not exceeding one year or to both.

Retention

47. The Minister may, after consulting the Minister for Finance determine the amount of money to be retained for TOSCI from collections made by TOSCI in discharging its duties under the Act and these Regulations.

Prohibited, restricted and noxious seeds

48. The seeds set out in the Eighth Schedule to these Regulations shall be deemed as prohibited, restricted and noxious weed seeds for the purpose of these Regulations.

Revocation of GN.No.29 of 1976

49. The Seed Regulations 1976, are hereby revoked

FIRST SCHEDULE

(*Made under Regulations 10*)

TABLES OF STANDARDS SEED

PART I: LABORATORY STANDARDS

TABLE 1

Applicable to:

(a) Wheat including hybrid – *Triticum aestivum* L. and
(b) Wheat durum – *Triticum durum Desf.*

Factor	*Class*		
	Basic	*Certified1*	*Certified2"*
	%	%	%
Pure Seed (Minimum) … … … … … … … ……...	99.0	99.0	99.0
Other Seed (Maximum) … … … … …. ….. ……	0.9	0.9	0.9
Inert Matter (Maximum) … … … … … … …… ..	0.9	0.9	1.0
Moisture Content (Maximum) … … … … ... ……	13.0	13.0	15.0
Germination (Minimum) … … … … … … …....	85	85	85
Objectionable Weed Seed (Maximum) … … … … …. ….	0.0	0.0	0.0
Restricted Noxious Weed Seed (Maximum)… …. …… …. ….	4 per kg.	4 per kg.	4 per kg.

TABLE 2

Applicable to:

(a) Barley – *Hordeum vulgare* L*, H. distichon* L.
(b) Oat – *Avena sativa L.A. nuda* L.

Standard	*Class*		
	Basic	*Certified 1*	*Certified 2*
	%	%	%
Pure Seed (Minimum) … … … … … .. .. …	99.0	99.0	99.0
Total Seed other (Maximum) … … … … …. … …	0.1	0.1	0.1
Other Crop Seed (Maximum) … … … … … …	0.0	0.0	0.0
Inert Matter (Maximum) … … … … … ... ……	0.9	0.9	0.9
Objectionable Weed Seed (Maximum) … … .. ... …..	0.0	0.0	0.0
Restricted Noxious Weed Seed (Maximum)… … … …....	4 per kg.	4 per kg	4 per kg
Moisture Content (Maximum) … … … … … … ...	13.0	13.0	15.0
Germination (Minimum) … … … … … …. ..	85	85	85

TABLE 3

Applicable to:
Rice (Paddy) – *Oryza sativa* L.

Factor	*Class*		
	Basic	*Certified 1*	*Certified 2*
	%	%	%
Pure Seed (Minimum) … … … … … …	98.0	98.0	98.0
Other Seed (Maximum) … … … …	0.1	0.1	0.1
Inert Matter (Maximum) … … … … … ... ……	1.9	1.9	1.9
Moisture Content (Maximum) … … … …	13.0	13.0	13.0
Germination (Minimum) … … … … …	80	80	80
Blast – *Pyricularia oryzae* (Maximum)	1.0	0.2	0.2
Bacterial Leaf Blight – *Xanthomonas oryzae* (Maximum)	1.0	2.0	2.0
White Tip Nematode – *Alphelenchoides besseyi* (maximum)	0.0	0.0	0.0
Objectionable Weed Seed (Maximum) … … .. ... …..	0.0	0.0	0.0
Restricted Noxious Weed Seed (Maximum)… … … …..	4 per kg.	4 per kg	4 per kg

TABLE 4

Applicable to:
Sorghum (includes hybrid sorghum) – *Sorghum bicolor* (L.) Moench

Factor	*Class*		
	Basic	*Certified 1*	*Certified 2*
	%		%
Pure seed(maximum)	98.0	98.0	98.0
Other Seed (Maximum) … … … … …. …. … ….	0.1	0.1	0.1
Inert Matter (Maximum) … … … … … ... ……	1.9	1.9	1.9
Moisture Content (Maximum) … … … … ….. ….	11.0	11.0	11.0
Germination (Minimum) … … … … … …. …. ...	75	75	75
Objectionable Weed Seed (Maximum) … … .. ... …..	0.0	0.0	0.0
Restricted Noxious Weed Seed (Maximum)… … … …..	4 per kg.	4 per kg	4 per kg

TABLE 5

Applicable to:
(a) Maize open-pollinated - *Zea mays* L .

Factor	*Class*		
	Basic	*Certified 1*	*Certified 2*
	%	%	%
Pure Seeds (Minimum) … … … … … …	99.0	99.0	99.0
Other Seed (Maximum) … … … …	0.1	0.1	0.1
Inert Matter (Maximum) … … … … … ...	0.9	0.9	0.9
Moisture Content (Maximum) … … … …	13.0	13.0	13.0
Germination (Minimum) … … … … …	90.0	90	90

(b) Maize (hybrid)

Factor	*Class*	
	Basic	*Certified 1*
	%	%
Pure Seeds (Minimum) … … … … … …	99.0	99.0
Other Seed (Maximum) … … … …	0.1	0.1
Inert Matter (Maximum) … … … … …	0.9	0.9
Moisture Content (Maximum) … … … …	13.0	13.0
Germination (Minimum) … … … … …	90	90

TABLE 6

Applicable to:
Soybean – *Glycine max.*

Factor	*Class*		
	Basic	*Certified 1*	*Certified 2*
	%	%	%
Pure Seeds (Minimum) … … … … … …	98.0	98.0	98.0
Other Seed (Maximum) … … … …	0.1	0.1	0.1
Inert Matter (Maximum) … … … … … ... ……	1.9	1.9	1.9
Moisture Content (Maximum) … … … …	14.0	14.0	14.0
Germination (Minimum) …. …. ….. ….. … … …	75	75	75

TABLE 7

Applicable to: Millet

(a) Pearl Millet,– *Pennisetum glaucum* (L.) R. Br. Emend Stuntz

Standard	*Class*		
	Basic	*Certified 1*	*Certified 2"*
	%	%	%
Pure Seeds (Minimum) … … … … … …	98.0	98.0	98.0
Other Seed (Maximum) … … … …	0.1	0.1	0.1
Inert Matter (Maximum) … … … … … ...	1.9	1.9	1.9
Moisture Content (Maximum) … … … …	12.0	12.0	12.0
Germination (Minimum) … … … … …	75	75	75

(b) Finger Millet, – *Eleusine carocana*

Factor	*Standards for each Class*		
	Basic	*Certified 1*	*Certified2""*
	%	%	%
Pure Seeds (Minimum) … … … … …	97.0	97.0	97.0
Other Seed (Maximum) … … … …	0.2	0.2	0.2
Inert Matter (Maximum) … … … … … ...	2.8	2.8	2.8
Germination (Minimum) … … … … …	75	75	75
Objectionable Weed Seed (Maximum) … … .. ... …	0.0	0.0	0.0
Restricted Noxious Weed Seed (Maximum)… … … …..	4 per kg.	4 per kg	4 per kg

TABLE 8

Applicable to:

(a) Alfalfa – *Medicago sativa*
(b) White Clover, incl. Ladino – *Trifolium repens*
(c) Glycine – *Glycine javanica*
(d) Lance Crotalaria – *Crotalaria lanceolata*.
(e) Showy Crotalaria – *Crotalaria spectabilis*
(f) Slender Crotalaria – *Crotalaria intermedia*
(g) Striate Clotalaria – *Crotalaria mucronata var. striata*
(h) Sunn Crotalaria - *Crotalaria juncea*
(i) Kudzu – *Pueraria phaseloides*
(j) Lupines – *Lupinus spp.*
(k) Seradella – *Ornithopus sativus.*
(l) Tall Tick Clover (Kuru vine) – *Desmodium spp.*
(m) Siratro – *Phaseolus atropurpureus*.

Factor	*Class*		
	Basic	*Certified1*	*Certified2*
	%	%	%
Pure Seeds (Minimum) … … … … …	98.0	98.0	97.0
Other Seed (Maximum) … … … …	0.2	0.2	0.2
Inert Matter (Maximum) … … … …	1.8	1.8	2.8
Moisture Content (Maximum) … … … …	13.0	13.0	13.0
Germination (Minimum) … … …	50	50	50

TABLE 9
STANDARDS FOR EACH SEED CLASS

Applicable to:
Forage Crops and Grasses

	Percent Inert Matter		Percent Weed Seeds		Percent Pure Seeds		*Percent Germination*
	Basic and Certified1	*Certified 2*	*Basic and Certified 1*	*Certified2*	*Basic and Certified1*	*Certified 2*	*Basic, "Certified1" and Certified2*
Pennisetum clandestinum	3.8	4.5	0.2	0.5	96.0	95.0	75
Rhodes Grass – *Chloris gayana*	34.8	39.5	0.2	0.5	65.0	60.0	65
Dolichos spp. … … …	9.8	11.5	0.2	0.5	90.0	88.0	75
Stylo – *Stylosanthos gracilis*	2.8	3.5	0.2	0.5	97.0	96.0	65
Hypanheris rhufa …	4.8	6.5	0.2	0.5	95.0	93.0	75
African foxtail grass – *Cenchrus ciliaris*	9.8	14.5	0.2	0.5	90.0	85.0	65
Teff Grass – *Eragrostis teff*	1.8	2.5	0.2	0.4	98.0	97.0	75
Sand Lovegrass – *Eragrostis trichoide* … …	1.8	2.5	0.2	0.5	98.0	97.0	75
Euchleana mecinana …	7.8	9.5	0.2	0.5	92.0	90.0	75
Digitaria smutsii … …	2.8	4.5	0.2	0.5	97.0	95.0	65
Eragrostis chloromelas	1.8	2.5	0.2	0.5	98.0	97.0	75
Weeping Lovegrass –	1.8	2.5	0.2	0.5	98.0	97.0	75

Eragrostis urvula							
Bothriochloa insulpta …	9.8	14.5	0.2	0.5	90.0	85.0	60
Guines Grass – *Panicum maximum* …	4.8	7.5	0.2	0.5	95.0	92.0	60
Blue panicgrass – *Panicum antidotale* ...	4.8	7.5	0.2	0.5	95.0	92.0	60
Green panicgrass – *Panicum maximum* var *trichoglume*	4.8	7.5	0.2	0.5	95.0	92.0	60
Panicum coloratum ...	4.8	7.5	0.2	0.5	95.0	92.0	60
Vine mesquite – *Panicum obtusum* …	4.8	7.5	0.2	0.5	95.0	92.0	60
Switchgrass – *Panicum virgatum* …	4.8	7.5	0.2	0.5	95.0	92.0	60
Melinis minufiflora … …	4.8	9.5	0.2	0.5	95.0	90.0	60
Pennisetum typhoida …	3.8	4.5	0.2	0.5	96.0	95.0	75
Setaria sphacelate … …	9.8	14.5	0.2	0.5	90.0	85.0	60
Setaria splendida … …	9.8	14.5	0.2	0.5	90.0	85.0	60
Columbus grass – *Sorghum alum* …	3.8	7.5	0.2	0.5	96.0	92.0	75
Napier grass – *Pennisetum purpureum* … …	3.8	4.5	0.2	0.5	96.0	95.0	75
Bermuda grass – *Cynodon dactylon* …	3.8	4.5	0.2	0.5	96.0	95.0	75
Themeda triandra … …	4.8	7.5	0.2	0.5	95.0	92.0	60
Lovegrass – *Eragrostis superba* …	1.8	2.5	0.2	0.5	98.0	97.0	75
Cynodon plectostachyus … …	3.8	4.5	0.2	0.5	96.0	95.0	75
Lovegrass – *Brachiaria brizantha* …	4.8	7.5	0.2	0.5	95.0	92.0	70
Trypsacum laxum	4.8	7.5	0.2	0.5	95.0	92.0	70
Brachiaria ruziziensis …	4.8	7.5	0.2	0.5	95.0	92.0	70
Centro – *Centrosema pubescens* …	1.8	2.5	0.2	0.5	98.0	97.0	65
Stylosanthes humilis… …	2.8	3.5	0.2	0.5	97.0	96.0	65
Stylosanthes mucronata ...	2.8	3.5	0.2	0.5	97.0	96.0	65
Clitoria ternatea	3.8	5.5	0.2	0.5	96.0	94.0	65

Note: Other crop seed contents shall not exceed as follows:-

For Basic and"Certified1" class … … … … … 0.5

For Certified 2 class … … … … 1.0

TABLE 10

Applicable to:

(a) Sunflower – *Helianthus annuus.*
(b) Safflower – *Carthamus tinctorius*.

Factor	*Class*		
	Basic	*Certified1*	*Certified2*
	%	%	%
Pure Seed (Minimum) … … … … … …	99.0	99.0	99.0
Other Seed (Maximum) … … … …	0.1	0.1	0.1
Inert Matter (Maximum) … … … … …	0.9	0.9	0.9
Moisture Content (Maximum) … … … …	10.0	10.0	10.0
Germination (Minimum) … … … … …	85	85	85

TABLE 11

Applicable to mixture of forage seed of two or more of the seed listed in Table 8 and 9 of this Schedule.

"Mixture" means each component present in excess of 5 per cent of the whole.

	Maximum number of seed per Kg. except where otherwise stated			*Minimum percentage germination*
Class Name	*Objectionable*	*Restricted*	*Weed seed*	*Each ingredient*
			%	%
Certified 1, Certified 2 …. …	None	4 per kg	1.5	60

Note:- 1. Mixtures of grass seed not designated by the sender as lawn or turf grass mixtures shall be classified under this table.

2. Percentage purity and germination of each component in the order of predominance shall be stated on the seed label.

TABLE 12

Applicable to:

(a) Cotton – *Gossypium spp*.
(b) Kenaf – *Hibiscus cannabinus*
(c) Roselle – *Hibiscus sabdariffa*

Factor	*Class*		
	Basic	*Certified 1*	*Certified 2*
	%	%	%
Pure Seed (Minimum) … … … … … …	98.0	98.0	98.0
Total Weed Seed (Maximum) … … … …	None	0.0	0.1
Other Crop Seeds (Maximum) … … … …	0.0	0.1	0.1
Inert Matter (Maximum) … … … … …	2.0	0.9	0.9
Objectionable Weed Seed (Maximum) … …	None	None	None

Restricted Noxious Weed Seed (Maximum) … …	None	None	4 per kg
Moisture Content (Maximum) … … … … …	10.0	10.0	10.0
Germination (Minimum) … … …	70	70	70
Bacteria Blight – *Xanthomonas malvacearum* (Maximum)	0.5	1.0	2.0

TABLE 13

Applicable to:

(a) Groundnut – *Arachis hypogaea*
(b) Bambara Nut – *Voandzeia subterranea*

Factor	*Class*		
	Basic	*Certified1*	*Certified2*
	%	%	%
Pure Seeds (Minimum) … … … … …	98.0	97.0	97.0
Other Seeds (Maximum) … … … …	0.1	0.1	0.1
Inert Matter (shelled) (Maximum) … … … …	1.9	2.9	2.9
Moisture Content (Maximum)… … … … … …	12.0	12.0	12.0
Germination (minimum) … … … … … …	75	75	75

TABLE 14

Applicable to:
(a) Sesame – *Sesamum indicum*

Factor	*Class*		
	Basic	*Certified1*	*Certified2*
	%	%	%
Pure Seed (Minimum) … … … … … …	98.0	98.0	97.0
Total Weed Seed (Maximum) … … … …	0.1	0.2	0.3
Other Crop Seed (Maximum) … … … …	0.1	0.2	0.3
Inert Matter (Maximum) … … … … … …	1.9	2.9	2.8
Objectionable Weed Seed (Maximum) … … …	None	None	None
Restricted Noxious Weed Seed (Maximum) … …	4 per kg	4 per kg	4 per kg
Moisture Content (Maximum)… … … … …	10.0	10.0	10.0
Germination (Minimum). …… …… ……. …	80	80	80

(b) Tobacco – *Nicotiana tabacu*
- Nicotiana rustica.

Factor	*Class*		
	Basic	*Certified1*	*Certified2*
	%	%	%
Pure Seeds (Minimum) … … … … … …	98.0	97.0	97.0
Other Seed (Maximum) … … … …	0.1	0.1	0.2
Inert Matter (Maximum) … … … … …	2.0	2.0	3.0
Moisture Content (Maximum)… … … … …	12.0	12.0	12.0
Germination (Minimum) … …	80	80	80
Anthracnose (Maximum) … … … … …	None	None	None
Angullar Leaf Spot – *Pseudomonas angulata* (Maximum)…	None	None	None
Frog-Eye or Green Spot – *Cercospora nicotianae* (Maximum)	None	None	None
Tobacco Mosaic Virus (Maximum) … … … … …	None	None	None

TABLE 15

Applicable to:

(a) Bean, common – *Phaseolus vulgaris*
(b) Bean, broad – *Vicia faba*
(c) Bean, Lima – *Phaseolus lunatis var. macrocarpus*
(d) Bean, runner – *Phaseolus cocecineus*
(e) Chick pea – *Cicer arietinum*
(f) Cowpea – *Vigna unguiculata*
(g) Mung Bean – *Phaseolus aureus*
(h) Banavist Bean – *Dolichos lablab*
(i) Hyacinth Bean –*Lablab niger*
(j) Sword Bean – *Canavalia ensiformis*
(k) Blackgram – *Phaseolus mungo*
(l) Greengram – *Phaseolus aureus*
(m) Pigeon pea – *Cajanus cajan*
(n) Pea – perennial – *Lathyrus spp*
(o) Castor bean – *Ricinus communis*

Factor	*Class*		
	Basic	*Certified1*	*Certified2*
	%	%	%
Pure Seeds (Minimum) … … … … … …	99.0	99.0	99.0
Other Seeds (Maximum) … … … … …	0.1	0.1	0.1
Inert Matter (Maximum) … … … … … …	0.9	0.9	0.9
Moisture Content (Maximum)… … … … … … …	10.0	10.0	10.0
Germination (Minimum) … … …	80	80	80
Common Bacteria Blight – *Xanthomonas phaseoli* (Maximum	None	None	None
Anthracnose – *Coletotrichum lindemunthianum* (Maximum)…	None	None	None
Bean Common Mosaic Virus (B.C.M.V.) … … …	0.1	0.1	0.1
Halo Blight – *Pseudomonas phaseoli* … … … …	0.1	0.1	0.1

TABLE 16

A: *Applicable to:*
Irish potatoes - *Solanum tuberosum*

Factor	*Class*		
	Basic	*Certified 1*	*Certified 2*
	%	%	%
Pure Seeds (Minimum) … … …	99.0	98.0	97.0
Soft rot – S*clerotium rolfsii*	0.0	0.1	0.1
Dry rot – *Fusarium wilt* … … … … …	0.5	1.0	1.0
Common scab – *Streptomyes scabies**coverage of tuber in 50kg bag	1.0	2.0	2.0
Black scurf - *Rhizoctonia solani***	1.0	5.0	5.0

1. *Even if a single tuber in a lot is detected to have standard scab the entire seed lot shall be treated with the recommended chemical before declaring it fit for certification. Any Seeds lot having more than 5% scabbed tubers will not be certified even after treatment.

2. **A tuber is considered having black scurfed if 10% or more of its surface in scurfed.
If more than 5% of the tubers are scurfed the total lot is rejected. Seeds lots carrying scurf, should be treated with recommended chemicals before being considered fit for certification purposes.

Seed potato shall be classified into 3 sizes for the different/classes of seeds***.

	Measurements in mm	
	Hill seed potato	Plain seed potato
Small ****	30-40	25-35
Medium	41-50	36-45
Large	Above 51	Above 46

3. ***Size of the tuber will be decided on the basis of mean of two width of tuber at the middle and that of length.
4. **** In a seed lot tuber not conforming to specific size of seed should not be more than 5% by number.

The seed material shall be reasonably clean, health, firm and shall conform to the characteristics of the variety, cut, bruised, misshaped, cracked tubers or those damaged by insects, slugs or worms shall not exceed 1% by weight; Tubers showing greenish pigment are best for seed purposes. Total number of diseased tubers shall not be more than 5% by number in each case.

B: *Applicable to:*

(a) Ginger – *Zingiber officinalis*
(b) Cardamom – *Elittaria cardamomum*
(c) Pyrethrum – *Chysanthemum cinerarieafolium*

Factor	*Class*

	Basic	*Certified1*	*Certified2'*
	%	%	%
Pure Living splits or cuttings (Minimum) … … …	98	98	97
Total Weeds (Maximum) … … … … …	None	None	None
Other Living Plants (Maximum) … … … …	1.0	1.0	2.0
Germination (Minimum) … … … … …	95	95	95
Bacterial Fascial – *Corynebacterium fascians* … …	2.0	2.0	2.0
Bright Gray Mold – *Botrytis cinerea* … … …	2.0	2.0	2.0
Damping off – *Gloesporium spp* … … … …	2.0	2.0	2.0
Root Rot – *Pythium spp*	2.0	2.0	2.0
Phymatotrichum omnivorum (Text) or *Rhizoctonia solani*	2.0	2.0	2.0
Stem Rot – *Sclerotinia scrclerotiorum* … … … …	2.0	2.0	2.0
Aster Yellow – *Chlorogenus callistephi* … … …	2.0	2.0	2.0
Leaf Nematode – *Alphelenchoides ritzema – bosi* …	None	None	None
Root Knot Nematode – *Meloidogyne hapla* … …	None	None	None

C: *Applicable to:*
Cassava *Manihot utilisima*
Sweet potato *Ipomea batatas*

Factor	*Class*		
	Basic	*Certified1*	*Certified 2*
	%	%	%
Other varieties (Maximum)… … … …	0.1	0.2	0.2
Storage rot… … … … …	None	None	None
Black rot - *Ceratocystis fumbriata* … … … … ...	None	None	None
Pure living cutting (Minimum)… … … … …	95	95	95
Scurf - *Monilochaetes unfuscans* … … … … …	None	0.1	0.1
Wilt (vascular wilt) - *Fusarium oxysporum*… … …	None	0.1	0.1
Nematode … … … … … … … …	0.2	0.5	0.5
Wire worm … … … … … … … … … … …	1	5	5
Sweet potato weevil - *Cylasfor micarius* … …	None	None	None
Foot rot – *Plenodomus destruens*	None	None	None
Leaf spot - *Ercospora bataticala*...	None	None	None
Soft rot - *Rhizopus stoloniferi*… … … … …	None	None	None
Cassava mealybug … … … …	None	None	None
Cassava mosaic …	None	None	None

TABLE 17

Applicable to:

Onion Sets and Multiplier Onions (including Garlic).

1	2	3	4
Class Name	*Size in diameter*	*Purity*	*General Quality*
1. Standard seeds	10 – 20 mm	98 per cent	Mature, well cured sound, free from decay and dry, free from tops, dirt leaves, free from other foreign matter, disease, moulds, insect, mechanical, frost damage, sprouted and soft bulbs when classified.

Note: The size standards under Column 2 do not apply to multiplier onions,

2. Onion sets may be labeled “pin-head” onion sets when they conform to the standards specified in this table and when the diameter of the sets is not more than 20 mm”.

3. The following are the generally accepted identification and distinction between *onion sets and onion multipliers. Onion sets:* (*Allium cepa*) small bulbs or “sets” grown from Seeds used to plant for the production of mature onions. Since *A. cepa* is perennial, in the temperate zone, the sets are produced one season for planting in the next season. They are in practical sense just very small onions.

   Onion multipliers: (*A. cepa, var: varagratum).* The example variety produces branching at the base of the bulb which, when divided, can be used as propagating material for planting. The practical example in Tanzania is the Spring onion.

   In the general *Allium* there are at least four basic means of propagation: Seeds, Cloves, Topsets, and Multipliers. Seeds: to produce mature onions, or for the production of *transplants* or sets. (*Allium cepa*).

   Bulb segments or *cloves:* (*A. sativum*) – Garlic. The separation of segments of the garlic bulb provides the usual propagation material. Seldom is garlic Seeds used.

   Top sets are the small bulb-like planting material produced in the flower cluster, sometimes in conjunction with Seeds. (*A. cepa, var. vivaparum*).

   Multipliers are the division of the branching at the base of the crown, which are used for propagation. (*A cepa, var; aggregatum*) Spring onions.

TABLE 18

Applicable to:

Vegetable Crops.

MINIMUM STANDARDS APPLICABLE TO SEED CLASSSES

1. Objectionable Weed Seed: None
2. Restricted Noxious Weed Seed: Maximum allowed shall be 4 Seed per kg
3. Total Weed Seed: The maximum by weight shall not exceed 1 per cent.

	Purity (Minimum) %	*Germination (Minimum)* %
African Cabbage… … … … … … … … … …	98.0	70
African Eggplant… … … … … … … … … …	98.0	70
Amaranths… … … … … … … … … … …	95.0	70
Beans (all types) … … … … … … … … … …	98.0	80
Beet (Incl. Swiss chard) … … … … … … …	98.0	65
Broccoli … … … … … … … … … … …	98.0	75
Brussels Sprouts … … … … … … … … … …	98.0	80
Cabbage … … … … … … … … … … …	98.0	80
Carrot … … … … … … … … … … …	98.0	60
Cauliflower… … … … … … … … … … …	98.0	70
Celery … … … … … … … … … … … …	99.0	60
Cucumber … … … … … … … … … … …	98.0	70
Eggplant … … … … … … … … … … …	98.0	70
Kale … … … … … … … … … … … …	98.0	70
Kohlrabi … … … … … … … … … … …	98.0	80
Leek … … … … … … … … … … … …	98.0	70
Lettuce … … … … … … … … … … …	98.0	75
Marrow … … … … … … … … … … …	98.0	75
Muskmelon … … … … … … … … … …	98.0	75
Nightshade… … … … … … … … … … …	98.0	60
Okra … … … … … … … … … … …	98.0	70
Onion … … … … … … … … … … …	98.0	70
Parsley … … … … … … … … … … …	98.0	70
Parsnip … … … … … … … … … … …	98.0	60
Peas … … … … … … … … … … … …	99.0	80
Pepper … … … … … … … … … … …	98.0	60
Pumpkin … … … … … … … … … … …	99.0	60
Radish … … … … … … … … … … …	98.0	70
Spinach … … … … … … … … … … …	98.0	60
Squash … … … … … … … … … … …	99.0	75
Sweet Corn … … … … … … … … … …	98.0	80
Tomato … … … … … … … … … … …	98.0	75
Turnip … … … … … … … … … … …	98.0	70
Watermelon … … … … … … … … … …	98.0	60

TABLE 19

Applicable to: Standard seed

1. Objectionable Weed Seed: None
2. Restricted Noxious Weed Seed: Maximum allowed shall be 10 Seed per kg
3. Total Weed Seed: The maximum by weight shall not exceed 1.5 per cent.
4. Minimum Seeds Standards shall be as follows:-

	Minimum Purity	*Minimum Germination*
	%	%
A. CEREAL CROPS:		
Maize (open pollinated) … … … … … …	95.0	80
Wheat … … … … … … … … … … …	95.0	80
Sorghum… … … … … … … … … … …	95.0	65
Rice … … … … … … … … … … …	95.0	70
Oats … … … … … … … … … … …	95.0	80
Barley … … … … … … … … … … …	95.0	80
Millet … … … … … … … … … … …	95.0	65
B. GRAIN LEGUME AND PULSES:	.	
Cow peas … … … … … … … … … …	97.0	70
Bean, Mung … … … … … … … … … …	97.0	70
Bean, Broad … … … … … … … … … …	97.0	70
Bean, Banavist … … … … … … … … …	97.0	70
Bean, Hyacinth … … … … … … … … …	97.0	70
Bean, Sword … … … … … … … … … …	97.0	70
Bean – Other s … … … … … … … … …	97.0	70
Pigeon Pea … … … … … … … … … …	97.0	70
Pea – *Lathyrus spp.* … … … … … … …	97.0	70
Pea – Field and Garden … … … … … … …	97.0	70
Bambara Nut … … … … … … … … ...	97.0	70
Greengram … … … … … … … … … …	97.0	70
Blackgram … … … … … … … … … …	97.0	70
Chickpea … … … … … … … … … …	97.0	70
Lentil … … … … … … … … … …	97.0	70
Lupines … … … … … … … … … …	95.0	70

	Minimum Purity	*Minimum Germination*
	%	%
C. OIL CROPS:		
Soybean … … … … … … … … … …	97.0	70
Groundnut … … … … … … … … … …	97.0	70
Sesame… … … … … … … … … … …	95.0	70
Sunflower … … … … … … … … … …	95.0	65
Safflower … … … … … … … … … …	95.0	65
Castor Bean … … … … … … … … … …	97.0	75
Rape … … … … … … … … … …	95.0	65
LinSeeds … … … … … … … … … …	95.0	65
Cashew Nuts … … … … … … … … … …	99.0	80
Macadamia Nuts… … … … … … … … … …	99.0	80
Coconuts … … … … … … … … … …	99.0	80
Oil Palm … … … … … … … … … …	98.0	80
Dram Stick … … … … … … … … … …	98.0	80
D. FIBRE CROPS:		
Cotton … … … … … … … … … …	95.0	75
Kenaf … … … … … … … … … …	95.0	75
Roselle… … … … … … … … … …	95.0	75
E. DRUG/STIMULANT CROPS:		
Pyrethrum … … … … … … … … …	97.0	85

Tobacco …… … … … … … … … ...	97.0	75
Coffee … … … … … … … … … …..	99.0	80
Tea … … … … … … … … …. …. ….. ..	97.0	75
F. VEGETABLE CROPS:		
Tomato … … … … … … … … …	97.0	70
African Cabbage… … … … … … … …	97.0	*70*
African Eggplant… … … … … … … …	97.0	*70*
Amaranths… … … … … … … … …	95.0	*70*
Nightshade… … … … … … … … … ..	97.0	60
Onion … … … … … … … … … … …	97.0	60
Eggplant … … … … … … … … … …	97.0	65
Okra … … … … … … … … … …	97.0	70
Cabbage … … … … … … … … … …	95.0	75
Cauliflower … … … … … … … … … …	95.0	75
Collards… … … … … … … … …	95.0	75
Broccoli… … … … … … … … …	95.0	75
Brussels Sprout … … … … … … … … …	95.0	75
Pepper … … … … … … … … … …	97.0	55
Celery … … … … … … … … … …	95.0	50
Cucumber … … … … … … … … …	95.0	70
Squash, Pumpkin … … … … … … … …	95.0	70
Spinach … … … … … … … … …	95.0	55
Carrot … … … … … … … … …	95.0	55
Turnip … … … … … … … … …	95.0	75
Watermelon … … … … … … … …	95.0	60
Muskmelon … … … … … … … …	95.0	60
Radish (including beet) … … … … … …	95.0	65
Swiss Chard … … … … … … … … …	95.0	60
G. FRUIT CROPS		
Sweet Oranges – *Citrus sinensis*	98.0	80
Mandarine - *C. reticulata*	98.0	80
Lemon - *C. limon*	98.0	80
Lime - *C. aurantifolia*	98.0	80
Grapefruit - *C. paradisi*	98.0	80
Pummelo - *C. grandis*	98.0	80
Peaches - *Prunus persica*	98.0	75
Plums - *P. domestica*	98.0	75
Apricot - *P. armenica*	98.0	75
Custard Apple - *Annona reticulata*	98.0	80
Sweetsop *A. squamosa*	98.0	80
Mango - *Mangifera indica*	99.0	75
Avocado - *Persea americana*	99.0	80
Guava - *Psidium guajava*	97.0	75
Pineapple - *Ananas comosus*	98.0	70
Banana - *Musa spp.*	98.0	95
Apple - *Malus sylvestris*	98.0	90
Pears - *Pyrus communis*	98.0	90
Grapes - *Vitis vinifera*	98.0	90
Papaya - *Carica papaya*	95.0	70
Passion Fruit - *Passiflora edulis*	97.0	70
Jackfruit - *Artocarpus heterophyllus*	95.0	70
Breadfruit - *A. altilis*	95.0	70
Kumquat - *Fortunella japonica*	97.0	75
Litchi/Lychee - *Litchi chinensis*	95.0	70
Longan - *Euphoria longana*	90.0	70
Loquat - *Eriobotrya japonica*	90.0	70
Pomegranate – *Punica granatum*	95.0	80
Raspberry - *Rubus spp.*	95.0	80
Rose Apple - *Syzygium jambos*	95.0	80
Tree Tomato - *Cyphomandra betacea*	98.0	70
Tamarind - *Tamarindus indica*	98.0	70
Straw Berry - *Fragaria ananassa*	95.0	80

Carambora - *Averrhoa carambola*	90.0	70
Fig - *Ficus spp.*	95.0	70

H. GRASSES,FORAGE AND GREEN MANURE CROPS :

African Foxtail Grass – *Cenchrus ciliaris* … … …	80.0	50
Centro – *Centrsema pubescens* … … … … …	950	50
Columbus Grass – *Sorghum almum* … … … … …	95.0	70
Guinea Grass – *Panicum maximum* … … … … …	90.0	50
Kuru vine – *Desmodium intatum* … … … … …	95.0	50
.		
Rhode Grass – *Chloris gayana* … … … … …	60.0	50
Siratro – *Phaseolus atropurpureus* … … … …	95.0	50
Stylo – *Stylosanthes gayanensis* … … … … …	95.0	50
Lance Crotalaria – *Crotalaria lanceolata* … … … …	95.0	70
Striate Crotalaria - *Crotalaria mucronate var, Striata* …	95.0	70
Showy Crotalaria – *Crotalaria spectabilis* … … …	95.0	70
Kudzu – *Pueraria phaseoloides* … … … … …	95.0	50
Teff Grass – *Eragrostis teff* … … … … …	95.0	50
Weeping – *Eragrostis teff* … … … … … …	95.0	50
Pennisetum clandestinum … … … … … …	95.0	60
Dolichos spp… … … ... … … … … …	85.0	60
Hyparenia rufa … … … … … … … …	90.0	50
Sand Lovegrass – *Eragrostis trichoides* … …	90.0	50
Euchleana mecinana … … … … … … …	90.0	50
Digitaria smutsii … … … … … … …	90.0	50
Eragrostis chloromelas … … … … … … …	90.0	50
Bothriochloa insulpta … … … … … … …	80.0	50
Blue panicgrass – *Panicum antidotale* … … …	90.0	50
Green Panicgrass – *Panicum maximum var. trichoglume* …	90.0	50
Panicum coloratum … … … … … … …	85.0	40
Vine Mesquite – *Panicum obtusum* … … … … ...	80.0	50
Switchgrass – *Pancicum virgatum* … … … …	85.0	50
Melinis minufiflora … … … … … … … .. .	85.0	50
Pennisetum typhoides … … … … … …	95.0	50
Setaria sphacelate … … … … … … …	80.0	50
Setaria splendida … … … … … … …	85.0	50
Napier Grass – *Pennisetum purpureum* … … … …	90.0	50
Bermuda Grass – *Cynodon dactylon* … … … … …	90.0	50
Cyndon plectostachyus … … … … … … …	90.0	50
Themeda triandra … … … … … … …	90.0	50
Lovegrass – *Eragrostis superba* … … … …	90.0	50
Brachiaria brizantha … … … … … … …	90.0	50
Trypsacum laxum … … … … … … …	90.0	50
Brachiaria ruziziensis … … … … … … …	90.0	50
Stylosanthes humilis … … … … … … …	90.0	50
Clitoria ternatea … … … … … … … …	90.0	50
Alfafa – *Medicago sativa* … … … … … …	95.0	70
Glycine – *Glycine javanica* … … … … … …	95.0	60
Lupine spp. … … … … … … … … …	95.0	70
White Clover incl. Ladino – *Trifolium repens* … …	95.0	70
Serradella – *Ornithopus sativus* … … … … …	95.0	70
Slender Leaf Crotalaria – *Crotalaris intermedia* … …	95.0	70
Sunn Crotalaria – *Crotalaria juncea* … … … … …	95.0	70

TABLE 20

CERTIFIED TREE AND SHRUB SEED

Basic Seed of tree shall be Seed from trees of proven genetic superiority as defined under the Act and Rules made by the Minister under Regulation 26 (4) herein.

(a) "Certified 1" tree and shrub Seed shall be the Seeds progeny grown from basic tree or trees and shrubs.

(b) “Certified 2” Seeds shall be the Seeds progeny grown from either “Certified1” or basic tree Seed.

PART II: **FIELD STANDARDS**

TABLE 1

Applicable to:

(a) Wheat including hybrid – *Triticum aestivum* L.
(b) Wheat durum – *Triticum durum Desf.*
(c) Barley – *Hodeum vulgare* L.H. *distichon*
(d) Oats – *Avena sativa* L., *A. nuda* L.

Factor	*Class*		
	Basic	*Certified1*	*Certified2*
Land (seasons before) … … … … … …… … …	1	1	1
Isolation (m) … … … …… … ……	5	5	5
No. of inspection (minimum) … … … …… …	2	2	2
Off- type (count in $100m^2$)… … … … …. …..	1	6	6
Other crop (inseparable) (%) … … … …	0	0.05	0.05
Objectionable Weed Seed (no.)… … … … … ……	0	0	0
Diseases – (number per $100m^2$) - *Kernel Bunt* (plant) ….	0	1/100 m^2	1/100 m^2
- *Loose smut* (plant) …..	1/100 m^2	1/100 m^2	1/100 m^2
- *Ear cockle* (percentage)....	1/100 m^2	1/100 m^2	1/100 m^2

TABLE 2

Applicable to:

Lowland Rice (Paddy) – *Oryza sativa*

Factor	*Class*		
	Basic	*Certified1*	*Certified2*
Land (seasons before) … … … …… … …	2	2	2
Isolation (m) … … … …… … ……	5	5	5
No. of inspection (minimum) … … … …… …	2	2	2
Off- type (%)… … … … …. ….. ….. …. … …..	0.01	0.1	0.1
Other Crop (inseparable) (%) … … … …	0	0.05	0.05
Objectionable Weed Seed (no.)… … … …… …	0	0	0
Red rice / Wild rice (%)… … … … …… …	0	0.1	0.1
Diseases – (number per $100m^2$) – *Rice Blast* (plant) ….	0	1/100 m^2	1/100 m^2
- *Bacterial leaf blight* (plant) …..	1/100 m^2	1/100 m^2	1/100 m^2
- *White tip Nematode* (percentage)	1/100 m^2	1/100 m^2	1/100 m^2

TABLE 3

Applicable to:

Upland Rice (Paddy) – *Oryza sativa*

Factor	*Class*		
	Basic	*Certified1*	*Certified2*
Land (seasons before) … … … … …… … …	1	1	1
Isolation (m) … … … …… … ……	5	5	5
No. of inspection (minimum) … … … ……	2	2	2
Off- type (%)… … … … …. ….. ….. …. … …..	0.01	0.1	0.1
Other Crop (inseparable) (%.) … … … …	0	0.05	0.05
Objectionable Weed Seed (no.)… … … … … ……	0	0	0
Diseases – (number per 100m^2) – *Rice Blast* (plant) ….	0	1/100 m^2	1/100 m^2
- *Bacterial leaf blight* (plant) …..	1/100 m^2	1/100 m^2	1/100 m^2
- *White tip Nematode* (percentage)....	1/100 m^2	1/100 m^2	1/100 m^2

TABLE 4

Applicable to:

Sorghum (includes hybrid sorghum) – *Sorghum bicolor* (L.) Moench

Factor	*Class*		
	Basic	*Certified1*	*Certified2*
Land (seasons before) … … … … …… …	2	2	2
Isolation (m) … … … …… … ……	400	200	200
No. of inspection (minimum)… … … … ……	2	2	2
Off- type (%)… … … … …. ….. ….. …. … …..	0.0	0.5	0.5
Diseases			
-Bunt	1/1000plants	2/1000plants	2/1000plants
-Mildew	1/1000plants	2/1000plants	2/1000plants
-Ergot	0	0	0
-Head/covered smut	1/1000plants	/2/1000plants	2/1000plants
-Kernel smut	1/1000plants	2/1000plants	2/1000plants

TABLE 5

Applicable to:
(a) Maize open-pollinated - *Zea mays* L.

Factor	*Class*		
	Basic	*Certified1*	*Certifie2"*
Land (seasons before) … … … … …… … …	1	1	1
Isolation (m) … … … …… … ……	400	200	200
No. of inspection (minimum)… … … … ……	3	2	2
Off- type (%)… … … … …. ….. ….. …. … …..	0.1	0.5	0.5

(b) Maize (hybrid)

Factor	*Cross Class*	
		Certified1
Land (seasons before) ……. … … … …… …	1	1
Isolation (m) … … … …… … …… ….	400	200
No. of inspection (minimum) … … … …… …..	5	3
Seeds parent shedding pollen (Selfing) (%) … … ….	0	1
Silk of first pollen control inspection (%)…. ….. … … …	2	2
Seeds parent at any one inspection (%)….. …. …. ….. …	0.5	
Seeds parent at any three inspections (%)…. …. ….. … …	2	2
Off- type (%)… … … … …. ….. ….. …. … …..	0	0.1

TABLE 6

Applicable to:
Soybean – *Glycine max.*

Factor	*Basic*	*Certified1*	*Certified2*
Land (seasons before) … … … … … …… … …	1	1	1
Isolation (m) … … … …… … …… …	5	4	4
No. of inspection (minimum)… … … … ……	2	2	2
Off- type (%)… … … … …. ….. ….. …. … …..	0.1	1.0	1.0
Diseases – (number per 100 m^2) – Soya Bean Mosaic….. ….. …. … ….. ...	0	1.0	2
▪ Bacterial Pustule (plant) ….. ….. …. … …..	0	0	0
▪ Bacterial Blight (percentage) ….. ….. …. …	0	0	0
▪ Leaf spot (plants) ….. ….. …. … ….. …..	1	2	2
▪ Anthracnose (plants) ….. ….. …. … ….. ….	1	2	2
▪ Charcoal rot (plant) ….. ….. …. … ….. …	1	2	2

TABLE 7

Applicable to: Millet

(a) Millet, pearl – *Pennisetum glaucum* (L.) R. Br. Emend Stuntz

Factor	*Basic*	*Certified1*	*Certified2*
Land (seasons before) … … … … …… … …	1	1	1
Isolation (m) … … … …… … …… …	500	300	300
No. of inspection (minimum)… … … … ……	2	2	2
Off- type (%)… … … … …. ….. ….. …. … …..	0.5	1.0	1.0
Diseases – (%) – *Green ear*…. … ... …. …	0.05	0.1	0.1
- *Ergot* (plant) ….. … ….	0.02	0.05	0.05
- *Green smut* (percentage)	0.05	0.1	0.1

(b) Millet, Finger – *Eleusine carocana*

Factor	*Basic*	*Certified1*	*Certified2*
Land (seasons before) … … … … …… … …	1	1	1
Isolation (m) … … … …… … …… …	25	10	10
No. of inspection (minimum) … … … … ……	2	2	2
Off- type (%)… … … … …. ….. ….. …. … …..	0.05	0.1	0.1

TABLE 8

Applicable to:

(n) Alfalfa – *Medicago sativa*
(o) Clover, White, incl. Ladino – *Trifolium repens*
(p) Glycine – *Glycine javanica*
(q) Lance Crotalaria – *Crotalaria lanceolata*.
(r) Showy Crotalaria – *Crotalaria spectabilis*
(s) Slender Crotalaria – *Crotalaria intermedia*
(t) Striate Clotalaria – *Crotalaria mucronata var. striata*
(u) Sunn Crotalaria - *Crotalaria juncea*
(v) Kudzu – *Pueraria phaseloides*
(w) Lupines – *Lupinus spp.*
(x) Seradella – *Ornithopus sativus.*
(y) Tall Tick Clover (Kuru vine) – *Desmodium spp.*
(z) Siratro – *Phaseolus atropurpureus*.

Factor	*Basic*	*Certified1*	*Certified2*
	%	%	%
Land (seasons before) … … … … …… … …	2	1	1
Isolation (m) … … … …… … …… …	5	4	4
No. of inspection (minimum) … … … … …… ….	3	2	2
Off- type (%)… … … … …. ….. ….. …. … ….. .	2.0	3.0	3.0

TABLE 9
STANDARDS FOR EACH SEED CLASS

Applicable to:
Forage Grasses and Crops

Factor	*Basic*	*Certified1*	*Certified2*

Land (seasons before) … … … … …… … …	1	1	1
Isolation (m) … … … …… … …… …	400	200	200
No. of inspection (minimum) … … … … …… ….	3	2	2
Off- type (%)… … … … …. ….. ….. …. … ….. .	2.0	3.0	3.0

TABLE 10

Applicable to:

(a) Sunflower – *Helianthus annuus.*
(b) Safflower – *Carthamus tinctorius*.

Factor	*Basic*	*Certified1*	*Certified2*
Land (seasons before) … … … … …… … …	1	1	1
Isolation (m) … … … …… … …… …	1700	1000	1000
No. of inspection (minimum) … … … … …. …	2	2	2
Off- type (%)… … … … …. ….. ….. …. … ….. .	0.1	0.2	0.3

TABLE 11

Applicable to:

(a) Cotton – *Gossypium spp*.
(b) Kenaf – *Hibiscus cannabinus*
(c) Roselle – *Hibiscus sabdariffa*

Factor	*Class*		
	Basic	*Certified 1*	*Certified 2*
Land (seasons before) … … … … … …… …	2	2	2
Isolation (m) (if contaminating source is of same species) …..	200	100	100
Isolation (m) (if contaminating source is of different species) ….. …..	450	300	300
No. of inspection (minimum) … … … … ……	3	3	3
Off- type (%)… … … … …. ….. ….. …. … …..	0.01	0.02	0.05
Bacterial Blight (Minimum) ….. ….. …. …. …… ……	0.5	1.0	2.0

TABLE 12

Applicable to:

(a) Groundnut – *Arachis hypogaea*
(b) Bambara Nut – *Voandzeia subterranea*

Factor	*Class*		
	Basic	*Certified1*	*Certified2*
Land (seasons before) . ……. …… ……. ……	1	1	1
Isolation (m) … …. … .. .. … … … … …. ….. ……	5	3	3
No. of inspection (minimum) … … … … ……	2	2	2
Off- type (%)… … … … …. ….. ….. …. …	0.1	0.5	0.5

TABLE 13

Applicable to:

(a) Sesame – *Sesamum indicum*

Factor	*Class*		
	Basic	*Certified1*	*Certified2*
Land (seasons before) …. …… ……. …… … …. …..	1	1	1
Isolation (m) ……. …… ……. …… … …. …..	5	3	3
No. of inspection (minimum) … … … … ……	2	2	2
Off- type (%)… … … … …. ….. ….. …. …	0.2	0.5	0.5

(b) Tobacco – *Nicotiana tabacum*
- Nicotiana rustica.

Factor	*Basic*	*Certified1*	*Certified2*
Land (seasons before) … … … … …… …	1	1	1
Isolation (m) … … … …… … ……	100	50	50
No. of inspection (minimum) … … … … ……	2	2	2
Off- type (%)… … … … …. ….. ….. …. …	none	0.05	0.1

TABLE 14

Applicable to:

(a) Bean, Common – *Phaseolus vulgaris*
(b) Bean, Broad – *Vicia faba*
(c) Bean, Lima – *Phaseolus lunatis var. macrocarpus*
(d) Bean, Runner – *Phaseolus cocecineus*
(e) Chick Pea – *Cicer arietinum*
(f) Cow Pea – *Vigna unguiculata (L)* walp.
(g) Mung Bean – *Phaseolus aureus*
(h) Banavist Bean – *Dolichos lablab*
(i) Hyacinth Bean –*Lablab niger*
(j) Sword Bean – *Canavalia ensiformis*
(k) Blackgram –*Phaseolus mungo*
(l) Greengram –*Phaseolus aureus*
(m) Pigeon Pea – *Cajanus cajan*
(n) Pea – perennial – *Lathyrus spp*
(o) Castor Bean – *Ricinus communis*

Factor	*Basic*	*Certified1*	*Certified2*
Land (seasons before) … … … … …… … …	1	1	1
Isolation (m) … … … …… … …… …	25	10	10
No. of inspection (minimum)… … … … ……	2	2	2
Off- type (%)… … … … …. ….. ….. …. … …..	0.1	0.5	0.5
Diseases – (%) - Mosaic virus … …. ….. ….. …. …	0.1	1.0	1.0
- Anthracnose ….. …. ….. ….. ….	0.02	0.02	0.02
- Halo Blight .... …. ….. ….. …. …	0.01	0.01	0.01
- Common Blight…. ….. ….. …. …	0.02	0.02	0.02

TABLE 15

A: *Applicable to:*
Irish potatoes - *Solanum tuberosum*

Factor	*Basic*	*Certified 1*	*Certified2*
Land (seasons before) … … … … … …… … …	5	3	3
Isolation (m) … … … …… … …… …	100	50	50
No. of inspection (minimum)… … … … ……	4	4	4
Off- type (number in 100 plants)… … … … ….	0	2	2
Diseases (%)			
Bacterial wilt …. …… …	0	0	0
Wart … ….. …. …. … ….	0	0	0
Golden Nematode ….	0	0	0
Ring rot ….. ….. …. …	0	0	0
Potato spindle … … … …. .	0	0	0
Mycoplasma… … … …	1:1000	1:100	1:100
Black leg …… …. …. .	0	0	0
Potato Virus Y …. …. ...	2 per 1000 plants	10 per 1000 plants	10 per 1000 plants
Spindle Mottle Virus ……	13 per 100 plants	13 per 1000 plants	13 per 100 0plants
Fusarium wilt …. … …	0	2 per 1000 plants	2 per 1000 plants
Verticilium wilt ….. … ..	0	2 per 1000 plants	3 per 1000 plants

"TABLE 18

Applicable to:
Grafted Avocado - *Persea americana (*L.*)*

Factor	*Class*			
	Pre-basic	*Basic*	*Certified 1*	*Certified 1*
Land/site Requirement:				
Number of volunteer plants	0	0	0	0
Field inspection				
(a) Root stock				
A minimum of number of inspection shall be made before grafting when the rootstock has attained graft able stage	-	-	1	1
(b) Mother plant				
A minimum number of inspections shall be made at vegetative and fruit maturity respectively for health and fruit quality of the mother tree.	2	2	2	2
The Scions should be of desired mature plants at the minimum age of years.	7	7	7	7
Scions may also be obtained from scion garden developed from desired mature plants at the minimum age of years.	7	7	7	7
For scion garden a minimum number of inspection shall be made within 30 days after transplanting	1	1	1	1
Time for inspector to be notified after transplanting (days)	14	14	14	14
(c) Grafted clones				
A minimum number of inspection shall be made before the sale of the clones after attaining the specified size to verify relevant factors	1	1	1	1
Isolation distance (m)				
Field of other varieties	1	1	1	1

Fields of the same variety not conforming to varietal purity requirements for certification	1	1	1	1
Size of container (cm)				
The size in diameter of containers in clone propagation plots shall be minimum	12	12	12	12
The height size of containers in clone propagation plots shall be minimum	25	25	25	25
Rotation				
Maximum number of production season of seedlings in the same plot	3	3	3	3
Clone standards				
Number of pure living clones minimum (%)	99.5	99.5	98	98
Number of other living plants including Rootstock maximum (%)	0.5	0.5	0.2	0.2
Plants infected with dieback (maximum)	0	0	0	0
Phytophtora cinnamon	0	0	0	0
Sunblotch viroid	0	0	0	0
Plants infected with malformation	0	0	0.2%	0.2%
Clone specifications:				
The minimum diameter of the stock (cm)	1	1	1	1
Minimum height of the grafting shall range from (cm)	30	30	30	30
The minimum diameter of grafts at 10 cm above the graft union (cm)	1	1	1	1
Height of scion after grafting ready for transplanting (cm):	20	20	20	20
Maximum (%) of clones not conforming to above specifications	5	5	5	5

Root stock:

- Root stock shall not be obtained from the same variety as a scion unless compatibility proven.
- Root stock should be healthy and free from diseases.

Mother plant:

- Mother plant should be healthy, true to type and free from diseases and insect pests.
- Mother plant should be certified for the desirable characters by inspector.

TABLE 19

Applicable to:
Banana - *Musa spp (L.*)

Factor	*Class*			
	Pre-Basic	*Basic*	*Certified 1*	*Certified 2*
1. Land history:				
(a) number of volunteer plants;	0	0	0	0
(b) presence of soil borne diseases; (*Fusarium wilt*)	-	0	0	0
(c) minimum isolation distance for potted plants between varieties in screen house (m);	-	1	1	-
(d) minimum isolation distance between varieties in the field (m);	-	-	-	3
(e) minimum isolation distance from fields of other banana plants (m);	-	-	-	100
(f) minimum isolation distance from fields of other banana plants in slope areas (m).	-	-	-	150
2. Minimum number of inspection (Mother plant, Clone, Suckers) before sale	1	1	1	1
3. Minimum diameter of potting materials (cm)	-	10	10	-
4. off-type (%)				
5. clones (%)	0.5	2	2	2
6. suckers (%)	-	2	2	2
7. Disease incidence				
(a) Cucumber Mosaic Virus (CMV);	0	0	0	0
(b) Banana Bunchy Top Virus (BBTV);	0	0	0	0

(c) Banana Streak Virus (BSV);	0	0	0	0
(d) Banana Xanthomonas Wilt (BXW);	0	0	0	0
(e) Banana Bract Mosaic Virus (BBMV);	0	0	0	0
(f) Panama or *Fusarium wilt*.	0	0	0	0
8. Pests:				
(a) nematodes (%);	0	0	2	5
(b) banana weevil (%).	0	0	2	5
9. Clone/Suckers harvest standard:				
(a) Genetic fidelity vs DNA reference sample (sample size 0.1% plants or 10 minimum);	99.5	-	-	-
(b) minimum number of cycles in banana tissue culture;	8	-	-	-
(c) minimum diameter of suckers/clone at the middle of the stem (cm).	1	3	5.0	5.0

For Tissue Culture (TC) seedling soil and nursery bed shall be treated after every year.
For Macro propagation growth media shall be changed after every year.
For Field Sucker nursery plot shall be rotated after every eight (8) years.
For Mother plants virus indexing shall be performed.

TABLE 20

Applicable to:
Tea - *Camellia sinensis* L.

Factor	*Class*		
	Pre-Basic	*Basic*	*Certified*
1. Land history and requirements			
(a) number of volunteer plants	0	0	0
(b) minimum isolation distance of mother plants (m)			
(a) field of the same variety	2	2	2
(b) field between different varieties and same varieties not conforming to variety purity required for certification	3	3	3
(c) maximum off-types (%)	0.1	0.1	0.2
2. Potting bag size			
(a) minimum height of potting bag (cm)	20	20	20
(b) minimum diameter of potting bag (cm)	10	10	10
3. Minimum number of inspections			
(a) mother bush field;	1	1	1
(b) nursery	1	1	1
4. Cuttings specifications (cm):			
(a) minimum cutting diameter	0.5	0.5	0.5
(b) minimum length of single node cuttings	3	3	3
(c) maximum length of single node cuttings	5	5	5
(d) minimum length of double node cutting	6	6	6
(e) maximum length of double node cutting	10	10	10
(f) minimum seedling height before transplanting	15	15	15
(g) maximum seedling height before transplanting	40	40	40

5. Seedling specification			
(a) minimum seedling height before transplanting (cm)	15	15	15
(b) maximum seedling height before transplanting (cm)	60	60	60
(c) maximum number of decentering (where deemed fit)	1	1	1
6. Pests			
Root knot nematode incidence (%)	0	0	1

TABLE 21

Applicable to:
Grape Vines - *Vitis vinifera (*L.)

Factor	*Class*		
	Pre-basic	*Basic*	*Certified*
1. Land history			
(a) minimum number of volunteer plants	0	0	0
(b) field rotation (season)	1	1	1
(c) minimum isolation distance (m)			
(i) field of other variety (m)	15	15	15
(ii) field of the same variety not conforming to variety purity required for certification (m)	15	15	15
2. Mother field standards			
(a) number of inspections per year (fruit ripening)	1	-	-
(b) minimum age of mother plant (years)	3	-	-
(c) off-types (%).	0	-	-
3. Nursery standards			
(a) Scion standards			
(i) minimum scion length (cm)	-	15	-
(ii) minimum scion diameter (cm)	-	1	-
(iii) minimum number of nodes per scion	-	3	-
(b) Rooted and rootstock cuttings standards (cm)			
(i) minimum rootstock cutting length	-	40	-
(ii) minimum rooted cutting length	-	20	-
(iii) minimum rooted cutting diameter	-	1	-
4. Maximum sprouts on the rooted cutting and	-	0	-

scion-cutting (%)			
(a) spacing between clones (grafted or non-grafted) in propagation plot (cm)	-	10	-
(b) spacing between rows of non-grafted clones in propagation plot (cm)	-	15	-
(c) spacing between rows of grafted clones in propagation plot (cm)	-	20	-
(d) minimum number of inspections between 4 to 6 months from planting	-	1	-
(e) diameter of the sprout at 15cm from the sprouting point (cm)	-	0.6	-
(f) Off-types (%)	-	0	-
5. Grafted clones standards			
(a) minimum diameter of scion sprout at 15cm from the sprouting point (cm)	-	-	0.6
(b) off-types (%)	-	-	0
6. Seed health standards (%)			
Grapevine leaf roll virus disease (incidence %)	0	0	0
7. Post-harvest seedling standards			
(a) minimum number of nodes on the rooted-cutting sprout or on scion-cutting sprout	-	2	2
(b) minimum root length after root trimming (cm)	-	10	10
(c) maximum number of rooted cuttings or grafted grape vine per bundle.	-	200	200

TABLE 22

Applicable to:
Cocoa - *Theobroma cacao* (L.)

Factor	*Class*		
	Pre-Basic	*Basic*	*Certified*
1. Land history			
Volunteer plant	0	0	0
2. Mother orchard for seed propagation			
Isolation distance (m)			
Field of other variety or same varieties not conforming to variety purity required for certification	150	100	50
3. Minimum number of inspections	1	1	1
4. Diseases Incidence (%):			
(a) Black pod	0	0.5	2
(b) Frost pod	0	0.5	2
(c) Die back	0	0.5	2
(d) Witches broom	1	2	5
(e) Swollen shoot virus	0	0	0.5
5. Seedlings specification			
(a) minimum seedling age (Months)	4	4	4
(b) maximum seedling age (Months)	6	6	6
(c) off types (%)	1	3	5
6. Clonal propagated			
Isolation distance (m)			
Field of other variety or the same varieties not conforming to variety	5	5	5

purity required for certification			
7. Number of inspections			
(a) Rootstock	1	1	1
(b) Scion	1	1	1
(c) Grafted clones	1	1	1
8. Rootstock specifications:			
(a) age of root stock (months)	3	3	3
(b) minimum diameter of root stock (cm)	0.6	0.6	0.6
9. Scion specifications:			
(a) age of mother plants (years)	5	5	5
(b) minimum length of scion stick (cm)	10	10	10
(c) minimum number of buds	2	2	2
10. Size of potting material in Nursery (cm)			
(a) width	10	10	10
(b) height	20	20	20
11. Clone specification			
(a) minimum height of graft (cm)	15	15	15
(b) maximum height of graft (cm)	25	25	25
(c) number of suckers for grafted clone	0	0	0
(d) minimum seedling height at transplanting (cm)	25	25	25
(e) maximum seedling height at transplanting (cm)	40	40	40
(f) minimum pure clones (%)	99.5	99.5	98

(g) maximum of other plants including rootstocks (%)	0.5	0.5	2
12. Pests and diseases			
(a) Anthracnose (%)	0	0	0.2
(b) Root knot nematodes (%)	0	0	0
(c) Plants with malformation	0	0	2
(d) Mealy- bugs (%)	0	0.2	0.5

The root stock shall be obtained from local adaptive and compatible with the intended scions.

Soil for potting and nursery bed seedling shall be treated after every year.

TABLE 23

Applicable to:
Coffee - *Coffea arabica* L. and *Coffea canephora* P ex Fr.

Factor	*Class*		
	Pre Basic	*Basic*	*Certified*
1. Land history			
minimum number volunteer plants	0	0	0
2. Mother orchard for seed propagation			
isolation distance:			
(a) Arabica coffee (m)	100	100	100
(b) Robusta coffee (m)	200	150	150
(c) minimum number of inspections	1	1	1
3. Root stock			
(a) isolation distance (m)	5	5	5
(b) minimum number of inspections	1	1	1
4. Cutting specifications			
(a) minimum number of nodes per cutting	1	1	1
(b) maximum number of nodes per cutting	3	3	3
5. Mother plant: scion clonal propagated			
(a) isolation distance (m)	2	2	2
(b) minimum number of inspection (before shoot harvesting)	1	1	1
(c) minimum pure clones (%)	99.5	98.0	97.0
(d) maximum of other plants including rootstocks (%)	0.5	2.0	3.0
6. Diseases:			

(a) Anthracnose - CBD (%)	0	0.2	0.5
(b) Coffee wilt disease (%)	0	0	0
(c) Coffee leaf rust disease (%)	0	0.5	1
(d) Insect pests incidence (%): mealy-bugs, coffee scale, lace bugs,	0	0.2	0.5
(e) Nematodes incidence (%): Root knot nematode	0	0	0
7. Clone specifications (cm):			
(a) minimum height of the grafting point	12	12	12
(b) minimum diameter of the stock at grafting point	0.6	0.6	0.6
(c) minimum diameter of grafts at 10 cm above the graft union	0.6	0.6	0.6
(d) minimum height of the grafted plant before sell	25	25	25
(e) suckers	0	0	0
8. Nursery			
(a) size of containers			
(i) Width (cm)	10	10	10
(ii) Depth (cm)	15	15	15
(b) distance between varieties in nursery (m)	1	1	1
(c) minimum number of inspections	1	1	1
9. Laboratory standards: seed propagated			
(a) minimum pure seed (%)	99.5	98.0	97.0
(b) maximum other seed (%)	0.5	2.0	3.0
(c) minimum moisture content (%)	13	13	13
(d) maximum moisture content (%)	20	20	20

(e) germination (%)	75	75	75
10. Sample weights (kg):			
submitted sample	1.0	1.0	1.0

The root shall be obtained from local adaptive and compatible with the intended scions
Soil for potting and nursery bed seedling shall be treated after every year.
Cuttings' rooting media shall be treated each after one batch and changed after every year.

TABLE 24

Applicable to:
Oil Palm - *Eleasi guinneesis L.*

Factor	*Class*		
	Pre – Basic	Basic	*Certified*
1. Land history			
volunteer plant	0	0	0
2. Field inspection			
(a) minimum number of inspections for male and female	1	1	1
(b) minimum inspection for oil palm seedlings at nursery	1	1	1
3. Laboratory seed standards (%)			
(a) minimum pure seed	99	99	98
(b) maximum inert Matters	1	1	2
(c) minimum pre-germination	70	70	70
(d) minimum moisture Content	17	17	17
(e) maximum moisture content	22	22	22
4. Pre- germinated seed standard (cm)			
(a) maximum length of shoot	4	4	4
(b) minimum length of shoot	4	4	4
5. Nursery Standards (cm)			
(a) maximum potting material size in primary nursery- height	17	17	17
(b) maximum potting material size in primary nursery – width	8	8	8
(c) maximum potting material size in secondary nursery – height	38	38	38
(d) maximum potting material size in secondary nursery – width	24	24	24
(e) minimum distance between Seedlings (cm).	50	50	50
6. Specific requirements (%)			

(a) minimum genetic purity for male	99	98	97
(b) minimum genetic purity for female	99	98	97
(c) maximum off-type	1	2	3
7. Diseases			
(a) Fungal infection (%)			
(i) Fusarium oxysporum	0.1	1	1
(ii) Ganoderma spp.	0.1	1	1
(b) Insect pest			
Number of Rhinoceros beetle (*Oxyceles rhinoceros*)	5	7	10

TABLE 25

Applicable to:
Cashew - *Anacardium occidentale*

Factor	*Class*		
	Pre-basic	*Basic*	*Certified*
1. Land history			
(a) minimum number of volunteer plants	0	0	0
(b) minimum of inspection	1	1	1
2. Scion mother plant standards			
(a) minimum age of mother plant developed from a true (botanical) seed for scion source (years)	7	7	-
(b) scions shall be obtained from scion garden developed from the desired mature mother plants (years)	-	1	-
(c) minimum numbers of inspection	1	-	-
3. Scion standards			
(a) minimum scion length (cm)	-	15	-
(b) minimum number of nodes per scion	-	3	
(c) minimum diameter of grafting scion (cm)		1	
(d) minimum isolation distance between varieties (m)	-	3	-
4. Mother orchard for seed propagation			
(a) minimum isolation distance from other cashew fields (m)	500	-	-
(b) minimum age of rootstock mother plant (years)	3	-	-
5. Seed laboratory standards (%)			
(a) minimum seed physical purity	-	98	-
(b) minimum seed moisture content	-	10	-
(c) maximum seed moisture content	-	14	-

(d) minimum seed germination	-	70	-
6. Potting bag size (cm)			
(a) minimum diameter of potting bag	10	10	10
(b) minimum height of potting bag	20	20	20
7. Rootstock seedling plot standards			
(a) spacing between rootstock seedlings in propagation plot (cm)	-	10	-
(b) spacing between rows in seedlings propagation plot (cm)	-	10	-
(c) minimum height of rootstock seedlings (cm)	-	10	-
(d) maximum height of rootstock seedlings (cm)	-	25	-
(e) maximum per cent of constricted plants (in 1000 plant)	-	0.2	-
8. Clonal plant standards			
(a) maximum number of suckers (%)	0.2	0.2	0.2
(b) maximum number of off-types (%)	0	0	0
(c) minimum age of clonal plants before transplanting (days)	-	60	60
9. Post-harvest seedlings standards			
(a) minimum number of nodes on the clonal plants in pots	-	-	2
(b) minimum path between blocks (cm)	-	50	50
10. Diseases			
Fusarium wilt	0	0	0

TABLE 26

Applicable to:
Grafted Mango - *Mangifera indica* L.

Factor	*Class*		
	Pre-Basic	*Basic*	*Certified*
1. Land history			
(a) volunteer plant	0	0	0
(b) minimum isolation distance (m)			
(i) field of other variety	1	1	1
(ii) field of the same variety not conforming to variety purity required for certification	1	1	1
2. Polythene bag size (cm)			
(a) minimum diameter	15	15	15
(b) minimum height	25	25	25
3. Minimum number of inspections			
(a) Rootstock	1	1	1
(b) Scion	1	1	1
4. Scion mother plant standards			
(a) minimum age of mother plant for scion source (years)	5	-	-
(b) minimum numbers of inspection of scion mother plant	1	1	-
(c) minimum number of inspection for scion garden after transplanting		1	
(d) inspection of scion garden timing after transplanting (month)		9	

(e) inspection of grafted clones	1	1	1
5. Clone specification:			
(a) off-types (to be met at final inspection)	0	0	0.1
(b) malformation	0	0	5
(c) die back	0	0	1
6. Root stock			
(a) minimum diameter of stock (cm)	0.6	0.6	0.6
(b) minimum height of grafting point (cm)	20	20	20
(c) minimum diameter of grafts at 10 cm above the grafting union (cm)	0.8	0.8	0.8
(d) minimum height of the grafted plant (cm)	40	40	40
(e) suckers on rootstock for grafted clones (%)	0.2	0.2	0.2
7. Clone standards			
(a) un conforming size- maximum (%)	5	5	5
(b) minimum pure clone (%)	100	100	98
(c) maximum of other plants (%)	0	0	2

The root stock should be from local adaptive and compatible with the intended scions
Soil for potting and nursery bed seedling shall be treated after every year.

TABLE 27

Applicable to:

Papaya - *Carica papaya L.*

Factor	*Class*		
	Pre-basic	*Basic*	*Certified*
1. Land History			

minimum number of volunteer plant	0	0	0
2. Field standard			
(a) number of inspections 1st year	2	2	2
(b) number of inspection 2nd year	1	1	1
(c) number of inspection 3rd year	-	-	-
(d) minimum isolation distance (m)	4,000	3,000	400
(e) off-types (%)	0	0	0.1
(f) Papaya bacterial crown rot	0	0	0.1
(g) Papaya meleira virus	0	0	0.1
(h) Papaya ring spot	0	0	0.1
3. Seed standard (%)			
(a) minimum pure seed	99.0	98	98.0
(b) minimum inert matter	1.0	2	2.0
(c) maximum other crop seeds	0	0	0
(d) minimum germination	65.0	65.0	60.0
(e) maximum moisture	7.0	7.0	7.0
(f) For vapor proof containers	6.0	6.0	6.0
4. Tissue culture propagation			
(a) maximum sub-culture cycles	6	-	-
(b) clone height minimum (cm)	15	15	15
(c) clone height maximum (cm)	35	35	35
(d) size (diameter) of planting pots (cm)	10	10	10
(e) minimum clone conformity (%)	100	98	95
(f) off-types (%)	0	0	0.1

5. Viruses indexing			
(a) Papaya bacterial crown rot	0	0	0.1
(b) Papaya Meleira Virus	0	0	0.1
(c) Papaya ring spot	0	0	0.1
6. Grafting propagation			
(a) minimum height of the clone (cm)	20	20	20
(b) maximum height of the clone (cm)	35	35	35
(c) height of the clone from ground to union (cm)	10	10	10
(d) minimum age of mother plant (month)	6	6	6
(e) height of rootstock before grafting (cm)	25	25	25

TABLE 28

Applicable to:
Sweet Orange - *Citrus sinensis*

Factor	*Class*		
	Pre-Basic	*Basic*	*Certified*
1. Land history			
(a) minimum number of volunteer plant	0	0	0
(b) minimum isolation distance (m)			
(i) field of other variety	1	1	1
(ii) field of the same variety not conforming to variety purity require for certification	1	1	1
2. Rotation (season)	2	2	2
3. Minimum number of inspections			
(a) Rootstock	1	1	1
(b) scion (at fruit maturity)	1	1	1
(c) grafted (before sale of clones or budded)	1	1	1
4. Clone specification			
(a) minimum diameter of rootstock (cm)	0.6	0.6	0.6
(b) minimum height of budding or rafting point (cm)	30	30	30
(c) minimum height of sprout (cm)	25	25	25
(d) Suckers from the rootstock (%)	0.2	0.2	0.2
5. Clone standards (%)			
(a) maximum of un conforming size	5	5	5
(b) minimum pure clone	99.5	99.5	98
(c) maximum other plants	0.5	0.5	2
6. Diseases –Mother orchard			

(a) Die back (*Phytophthora cinnamomi)* (%)	0	0.2	0.5
(b) Citrus greening or Huanglong Bing (HLB)	0	0	0
(c) Psorosis (*Citrus sporosis virus)*	0	0	0
(d) Citrus tristeza	0	0	0
7. Parasitic weed cuscuta campestris	0	0	0

Where screen house or reusable polysheet is used treatment is compulsory in all seed Class

Where new polysheet is used no rotation or treatment is applicable in all seed Class

TABLE 29

Applicable to:
Sugar Cane –Saccharum Officinarum

Factor	*Pre-basic*	*Basic*	*Certified*
1. Land history			
Number of seasons free from sugarcane crop	2	2	1
2. Minimum number of inspections	3	2	2
3. Minimum isolation (m): Field environment			
(a) seed cane fields	10	5	5
(b) seed cane fields and commercial fields	100	50	50
4. Minimum isolation (m): Screen house environment			
(a) different varieties	5	5	5
(b) same variety of different Class	3	2	2
(c) number of ratoons allowed	0	0	1
(d) off-types (%) (10 counts/hectares);	0.1	0.1	1.0
(e) variety purity (%).	99	99.9	99.0
5. Weeds			
noxious weeds	0	0	0
6. Diseases			
(a) field inspection on smut – maximum incidence (%)			
(i) plant cane	0	0	0.1
(ii) ratoon crop	-	-	0.5
(b) Laboratory test on Ratoon Stunting Disease (RSD) maximum	0	0	0

incidence (%)			
7. Insect Pests			
(a) maximum incidence (%) of internodes bored by African Sugarcane Stalk Borer (*Eldana saccharina)*	0	0.5	1
(b) maximum incidence (%) of white scale (*Aulacapsis tegalensis)*	10	25	25
(c) maximum incidence (%) of yellow sugarcane aphid (*Sipha flava)*	0	5	5
8. harvesting age (months):			
a) Tropical zone			
(i) minimum age	6	6	6
(ii) maximum age	12	12	12
b) Lake zone			
(i) minimum age	10	10	10
(ii) maximum age	14	14	14
9. Post-harvest			
(a) Maximum height of sett (cm)	30	30	45
(b) Tissue Culture (cm)			
(i) minimum height of plantlet	12	12	12
(ii) maximum height of plantlet	15	15	15
(c) minimum number of open leaves before subsequent planting	4	4	4
(d) maximum number of eye buds per sett	3	4	4
(e) maximum number of damaged eye buds per sett	0	0	1
(f) number of aerial roots and splits	0	0	0
(g) variety purity (%)	100	99.5	99

TABLE 30

Applicable to:
Apple - *Malus domestica*

Factor	*Class*		
	Pre - Basic	*Basic*	*Certified*
1. Land history for mother orchard			
Number of volunteer plants	0	0	0
2. Field inspection			
(a) minimum number of inspection for rootstock	1	1	1
(b) minimum number of inspection for mother plant/Scion	2	2	2
(c) minimum number of inspection for grafted/budded clones	1	1	1
3. Field standards			
(a) mother plant plots isolation distance (m)	3	3	3
(b) mother plant rootstocks spacing			
(i) length-layering or cutting method (cm)	20	20	20
(ii) width-layering or cutting method (cm)	30	30	30
(iii) length-destumping or stooling method (m)	3	3	3
(iv) width-destumping or stooling method (m)	3	3	3
4. Maximum number of rotation (primary nursery)	3	3	3
5. Off - types (%)	0	0	0
6. Mother plants specifications			

(a) minimum diameter of the root stock (cm)		0.75	0.75
(b) minimum height grafted clone (cm)		10	10
(c) maximum percentage (%) of clones with suckers below union point	2	2	2
7. Grafted clone standards			
Pure clones (%)	100	99.5	98.0

”

SECOND SCHEDULE

(Made under Regulation 26(3))

SEED CLASSES

Code	*Classes*	*Seeds parents*	*Colour of labels*
Pb	Pre- basic	Progeny of parent stock	white with diagonal violet
B	Basic	Progeny of certified pre- basic Seeds or certified pre-basic Seeds …. ….. …..	White
C_1	Cert.1st gen.	Progeny of certified pre- basic Seeds or certified basic Seeds …. ….. ….. ….. …	Blue
C_2	Cert. 2nd gen.	Progeny of certified basic Seeds or certified 1st generation Seeds …. …. ….	Red

N.B: On authorization of the Minister, Standard seed may be labeled yellow and its code shall be Std. Seed

THIRD SCHEDULE

(Made under Regulation 36 (3))

(SAMPLE WEIGHTS FOR ALL CLASSES)

		Minimum weight for submitted sample (gm)	*Minimum weight for purity analysis(gm)*	*Minimum weight for examination for other Seeds (gm)*
A	CEREAL CROPS:			
	Maize - *Zea mays* … … … … … … …	1,000	900	1,000
	Wheat - *Triticum aestivum* … … … …	1,000	120	1,000
	Wheat - *Triticum durum* … … … … …	1,000	120	1,000
	Sorghum - *Sorghum bicolor* … … … … …	900	90	900
	Rice - *Oryza sativa* … … … … … … …	700	70	700
	Barley - *Hordeum vulgare* … … … … …	1,000	120	1,000
	Millet- *Eleusine carocana* … … … … …	60	6	60
	Oats - *Avena sativa* … … … … … … …	1,000	120	1,000
B	GRAIN LEGUME AND PULSES:			
	Cow peas- *Vigna unguiculata* … … … … …	1,000	400	1,000
	-*V. sinensis, V.catiag* … … …	1,000	700	1,000
	Field/ Common beans - *Phaseolus vulgaris* … …	1,000	700	1,000
	Mung bean - *Vigna aureus* … … … … …	1,000	250	1,000
	Phaseolus angularis … … … … …	1,000	400	1,000
	Banavist beans - *Dolichos lablab* … … …	1,000	700	1,000
	Hyacinth beans- *Lablab niger* … … … …	1,000	900	1,000
	Sword beans - *Canavalia ensiformis* … … …	1,000	400	1,000
	Pigeon pea - *Cajanus cajan* … … … …	1,000	300	1,000
	Chickpea - *Cicer arietinum* … … … …	1,000	1,000	1,000
	Broad beans - *Vicia faba* … … … … …	1,000	1000	1,000

	Garden pea - *Pisum sativum*	1000	900	1000
	Bambara nut - *Voandzeia subterranean*	1,000	400	1,000
	Greengram - *Phaseolus aureus*	1,000	400	1,000
	Blackgram - *Phaseolus mungo*	1,000	700	1,000
C	OIL CROPS:			
	Soya beans - *Glycine max*	1,000	500	1,000
	Groundnut - *Arachia hypogaea*	1,000	1000	1,000
	Sesame - *Sesamum indicum*	70	7	70
	Sunflower - *Helianthus annuus*	1,000	200	1,000
	Safflower - *Carthamus tinctorius*	900	90	900
	Castor - *Ricinus communis*	1,000	500	1,000
	Cashew nuts – *Anacardium occidentale*	1,000	1,000	1,000
	Macadamia nuts – *Macadamia integrifolia*	1,000	1,000	1,000
	Oil palm	500	400	500
	Coconuts …. … … … … … … … … …. … … ….	20	15	20
	Gram stick – *Moringa oleifera*…. … … … … …...	200	150	200
D	FIBRE CROPS:			
	Cotton - *Gossypium spp*	1,000	350	1,000
	Kenaf - *Hibiscus cannabinus*	700	70	700
	Roselle - *Hibiscus sabdariffa*	700	70	700
E	DRUG/STIMULANT CROPS:			
	Pyrethrum - *Chysanthemum cinerariaefolium* ...	100	10	100
	Tobacco - *Nicotiana tabacum*	5	0.5	5
	- *Nicotiana rustica*	25	0.5	25
	Coffee – *Coffea spp*.	1,000	400	1,000
	Tea – *Camellia sinensis*			
	Cocoa – *Theobroma cacao* … … … … …. … … ….	1,000	400	1,000
F	VEGETABLE CROPS:			
	African eggplant - *Solanum macrocarpum*…	15	7	10
	Amaranth - *Amaranthus spp*.	5	0.5	5
	African cabbage – *Brassica carinata*…	100	10	100
	Nightshade - *Solanum vilosum*…	5	0.5	5
	Tomato - *Lycopersicon lycopersicum*	15	7	10
	Onion - *Allium cepa*	80	8	80
	Egg plant - *Solanum melongena*	150	15	150
	Okra - *Abelmoschus esculentus L.*	1,000	140	1,000
	Cabbage - *Brassica oleracea var. capitata*	100	10	100
	Cauliflower - *Brassica oleracea var. botrytis* …. ...	100	10	100
	Sprouting brocoli -*Brassica oleracea var. italica*	100	10	100
	Brussels Sprout - *Brassica oleracea var. germifera* ...	100	10	100
	Chinese Cabbage - *Brassica campestris sub-var. pekinensis* ... ……. ... ... …. ...	40	4	40
	Chinese Cabbage *Brassica campestris sub-var. chinensis* … … … … … ….. …. …. ….	40	4	40
	Pepper - *Capsicum spp.*	150	15	150
	Celery - A*pium graveolens*	25	2	25
	Cucumber -*Cucumis sativus*…	150	70	150
	Squash /Pumpkin -*Cucurbita spp*	1,000	700	1,000
	Lettuce - *Lectuca sativa*	30	3	30
	Spinach - *Spinach oleracea*	250	25	250
	Carrot - *Daucus carota*	30	3	30
	Turnip - *Brassica campestris sub-var. rapa*	70	7	70
	Watermelon - *Citrullus lanatus*	1,000	250	1,000
	Muskmelon - *Cucumis melo*	150	15	150
	Radish - *Raphanus sativus*	300	30	300
	Swiss chard - *Beta vulgaris var, gilla*	500	50	500

G FRUIT CROPS

Sweet oranges –	*Citrus sinensis*	300	200	300
Mandarine -	*C. reticulata*	300	200	300
Lemon -	*C. limon*	300	200	300
Lime -	*C. aurantifolia*	300	200	300
Grapefruit -	*C. paradisi*	300	200	300
Pummelo -	*C. grandis*	300	200	300
Peaches -	*Prunus persica*	500	300	500
Plums -	*P. domestica*	500	300	500
Apricot -	*P. armenica*	500	300	500
Custard apple -	*Annona reticulata*	300	200	300
Sweetsop	*A. squamosa*	300	200	300
Mango -	*Mangifera indica*	1,000	1,000	1,000
Avocado -	*Persea americana*	1,000	1,000	1,000
Guava -	*Psidium guajava*	200	200	200
Pineapple -	*Ananas comosus*	10 (suckers)	10 (suckers)	10 (suckers)
Banana -	*Musa spp.*	10 (suckers)	10 (suckers)	10 (suckers)
Apple -	*Malus sylvestris*	30 (cuttings)	20 (cuttings)	30 (cuttings)
Pears -	*Pyrus communis*	30 (cuttings)	20 (cuttings)	30 (cuttings)
Grapes -	*Vitis vinifera*	30 (cuttings)	20 (cuttings)	30 (cuttings)
Papaya -	*Carica papaya*	300	300	300
Passion fruit -	*Passiflora edulis*	200	200	200
Jackfruit -	*Artocarpus heterophyllus*	500	300	500
Breadfruit -	*A. altilis*	500	300	500
Kumquat -	*Fortunella japonica*	500	200	500
Litchi/lychee -	*Litchi chinensis*	20 (cuttings)	20 (cuttings)	20 (cuttings)
Longan -	*Euphoria longana*	20 (cuttings)	20 (cuttings)	20 (cuttings)
Loquat -	*Eriobotrya japonica*	20 (cuttings)	20 (cuttings)	20 (cuttings)
Pomegranate –	*Punica granatum*	300	200	300
Raspberry -	*Rubus spp.*	20 (cuttings)	20 (cuttings)	20 (cuttings)
Rose apple -	*Syzygium jambos*	20 (cuttings)	20 (cuttings)	20 (cuttings)
Tree tomato -	*Cyphomandra betacea*	200	150	200
Tamarind -	*Tamarindus indica*	200	150	200
Straw berry -	*Fragaria ananassa*	30 (cuttings)	20 (cuttings)	30 (cuttings)
Carambora -	*Averrhoa carambola*	300	200	300
Fig -	*Ficus spp.*	30 (cuttings)	20 (cuttings)	30 (cuttings)

H GRASSES, FORAGE AND GREEN MANURE CROPS:

Pennisetum clandestinum … … … … …	70	7	70
Desmodium spp. … … … … … … …	50	5	50
Glycine javanica … … … … … … …	250	20	200
Medicago sativa … … … …	50	5	55
Phaseolus atropurpure … … … … … …	75	7	75
Chloris gayana … … … … … …	25	1	20
Dolichos spp. … … … … … … …	75	7	75
Sylobanthas gracilis … … … … … …	25	5	25
Hyparenia rhufa … … … … … …	30	3	30
Cenchurus ciliaris … … … … … …	25	5	25
Eragrostis teff … … … … … … …	25	1	10
Eragrotis trichodes … … … … … …	25	1	10
Euchleana mecinana … … … … … … …	30	3	30
Digitoria smutsii … … … … … … …	25	2	20
Eragrostis chloromelas … … … … …	25	2	20
Eragrostics curvula … … … … … …	30	3	30
Bothriochloa insulpta … … … … … …	30	3	30
Panicum maximum … … … … … … …	25	2	20
Panicum antidotale … … … … … …	25	2	20
Panicum maximum va., trichoglume … … …	25	2	25

Panicum coloratum	25	2	25
Panicum obtusum	25	2	20
Panicum virgatum	30	3	30
Melinis minufilora	5	0.5	5
Lupinus spp.	1,000	450	1,000
Pannisetum typhoides	60	6	60
Seteria splendida	90	9	90
Seteria sphacelate	90	9	90
Sorghum alum	700	20	200
Pennisetum purpureum	60	6	60
Sorghum sudanense	250	25	250
Trifolium repens	25	2	20
Ornithopusstivus spp.	90	9	90
Crotalaria intermedia	150	15	150
Crotalaria juncea	700	70	700
Crotalaria lanceolata	70	7	70
Crotalaria mueronate	150	15	150
Crotalaria spectabilis	350	35	350
Cynodon dactylon	25	1	10
Themeda triandra	25	2	25
Eragrostis superba	25	2	25
Cynodon plectostachyus	25	1	10
Brachiaris brizantha	30	3	30
Trysacum laxum	30	3	30
Brachiaria ruziziensis	30	3	30
Centrosema pubescens	150	15	150
Pueraria phaseoloides	350	35	350
Stylosanthes humilis	100	10	100
Stylosanthes mucronata	50	5	50
Clitoria ternatea	100	10	100
H ROOT CROPS AND SPICES:			
Potato (Irish) - *Solanum tuberosum*.(no. of tubers) ...	50	30	50
Garlic – *Allium sativum*(no. of sets)…	50	20	50
Ginger – *Zingiber officinalis*(no. of rhizomes)… ...	50	20	50
Cardamon –*Elittalia cardamomum*(gm)	50	20	50
Cinnamon – *Cinnamomum zeylanicum*(cuttings)…	50	20	50
Cassava – *Manihot esculentum (*no. of cuttings) ...	50	20	50
Sweet potatoes –*Ipomea batatas* (no. of vines) ...	50	20	50
Yams – *Dioscorea spp.*(no. of tubers)	20	10	20

FOURTH SCHEDULE

(Made under Regulation 27 (8))

THE MINIMUM NUMBER OF PLANTS OR HEADS REQUIRED PER COUNT FOR EACH CROP

S/no.	Crop	Number of counts required
1.	Maize (hybrids/composite) … …. …. … ….	100
2.	Sunflower castor… …. …. … … … … .	100
3.	Beans and peas, cowpeas, groundnuts chickpeas and green gram … … .., …...	500
4.	Sesame, groundnut, kenaf, cotton, okra, amaranths….	500

5.	Sorghum/millets… …. …. ….. … … .	1000
6.	Wheat, rice, oats barley, critical … …,.	2000
7.	Peppers, eggplant, tomato … ……	200
8.	Cabbage, cauliflower … ……	200
9.	Cucurbits… …. …. …… …. …. ……	Almost every plant
10.	Onions… …. …. …… …. …. …… …..	2000 bulbs

FIFTH SCHEDULE

(Made under regulation…..)

APPLICATION FORMS/CERTIFICATES

THE UNITED REPUBLIC OF TANZANIA
MINISTRY OF AGRICULTURE, FOOD SECURITY AND COOPERATIVES
THE SEED ACT
(No. 18 of 2003)

S/N…… Form SR I

APPLICATION FOR RFGISTRATION AS A SEED DEALER

(Made under Regulation 3(1))
(To be filled in Triplicate)

To: Director for Crop Development
Ministry of Agriculture, Food Security and Cooperatives
P.O.Box 9192
DAR ES SALAAM.

I/We hereby apply to be registered as seed dealer :-

Name ……
Postal Address ……..
Telephone Number ……..…..
Email Address……
Location of the premises ……..…….

I/we wish to deal in (*Please tick where applicable*)
(i) Production □ (ii) Processing □ (iii) Importation □ (iv) Exportation □ (v) Distribution □ (vi) Sale □

** For a legal person like a company, please attach Memorandum/Articles of association/ registration certificate/ and or constitution*

PART A: TO BE FILLED BY APPLICANTS WHO WISH TO PRODUCE/GROW SEED

1. Mention class/class (s) of Seed to be produced: ……
2. What mode of production do you intend to use :- (*fill where appropriate*)
   (a) own land □ , hectares of production land …… Location:……..…
   (b) contract grower □
   (c) give details of land and equipment:……..……..…..…..…
3. Provide number and qualification of the personnel who are conversant with Seeds production that are in your possession or possession of your contract grower ……..……...
4. For how long have you been engaged in Seeds business?.....
(attach business profile)

PART B: TO BE FILLED BY APPLICANTS WHO WISH TO PROCESS SEED

1. Do you have adequate equipments and machinery to process Seed? Yes /No
   If " YES" provide the list and capacity of each equipment/machinery :……
2. Are equipment/machinery own or hired?.....
3. Describe your storage or conditioning facilities:
   ……
4. Do you have a capacity to mark or label packets /containers as required by Seed Regulations? Yes /No
5. Do you have adequate and knowledgeable personnel who are conversant with Seeds processing and storage? Yes/No.
   if "YES", provide number and qualification of the said personnel

……
……
……

PART C: TO BE FILLED BY APPLICANTS WHO WISH TO IMPORT/ EXPORT SEED

1. Mention class/class (s) of Seed to be imported/exported: …… ……
2. Do you have adequate and knowledgeable personnel who are conversant with Seeds matters? Yes/No. if "YES",
   provide number and qualification of the said personnel:……
3. What is estimated tonnage of Seed to be imported/exported annually:……
4. Where are proposed sources for import/ export:……
5. Describe your storage facilities:……

PART D: TO BE FILLED BY APPLICANTS WHO WISH TO SELL/DISTRIBUTE SEED

1 What are your distribution centres in the country……
2 Do you have enough storage facilities? YES/ NO. If "YES" state their capacity and conditions……
3 Do you have any agreements with agents or stockist to distribute Seed on your behalf ? YES/ NO .
4 If you have agents or stockist, do they have any identity to recognize them? YES/ NO if "YES" state their identity.
   ……
5 Do your agents or stockist have any knowledge on Seeds business YES/ NO .
6 How will you ensure that your agents or stockist comply with the Seeds law?.....
   ……

PART E: TO BE FILLED BY SEED STOCKIST

1. location of shop nursery or tissue culture laboratory……village/street ……
   …… ward/town……
2. Do you have any agreements with any seed dealer to distribute seed on his behalf ? YES/ NO ……
3. if the answer in 2 is "YES", mention them ……,
4. If you have any identity ? YES/ NO if "YES" state the identity. ……
5. Do you have enough storage facilities? YES/ NO. If "YES" state their capacity and conditions?.....
   ……
……

***Declaration** :*

I/We declare that all information provided herein above is true to the best of my/ our knowledge.

Signed at……this……..day of……20……

Signature:……..

FOR OFFICIAL USE ONLY

Application No: …… Date Received: ……..……
Fees Receipt No: ……..
Date Approved/Rejected: ……..……
If approved: Reg No.…….....
If rejection, reasons for rejection…..…….....
Dated:…….Signature of the responsible
officer:……...……

THE UNITED REPUBLIC OF TANZANIA
MINISTRY OF AGRICULTURE, FOOD SECURITY AND COOPERATIVES

THE SEED ACT, 2003

(No. 18 of 2003)

S/N……. Form SR II

Registration No. ……

CEERTIFICATE OF REGISTRATION AS SEEDS DEALER

(Made under Regulation 3(3))

This is to certify that…… of……...……
(Name and address of Registrant)

has been registered as Seeds producer/processor/importer/exporter/ distributor (*delete where applicable*) for category of……..

…….
(*state of crop and class*)

his farm /premises for business is located at ……..…
(*village/ town/district/ region*)

This registration shall be valid for the period of ……from……to ……and may be cancelled if the registrant fails to comply with terms and conditions for registration as set out in the Seeds Act, 2003 and Regulations made thereto.

Issued at ……this…….day of ……..200…….

Signature:……..
Director of Crop Development.

"THE UNITED REPUBLIC OF TANZANIA

MINISTRY OF AGRICULTURE

THE SEED ACT, 2003
(No. 18 of 2003)

S/N……
Form SR IIIA

APPLICATION FOR DUS TEST

(Made under regulation 7(1))

(To be filled in Triplicate)

To: Tanzania Official Seed Certification Institute

1. Full name of the Applicant/Pre- basic: ……..……
2. Postal Address …… 3. Tel. No. ……
4. Email. ……..…. Fax ……..….
5.Name of the crop …… 6. Botanical Name:……..
7. Family Name:……..…… 8. Chromosome Number……
9. Mode of Pollination:…….…….
10. ther basic information:…….…….
11. ame under which it is tested:…….……
12. Proposed elevation:…….…….
13. Distinguishing characteristics (describe fully)
(a) growth habit:……..(b) leaf:…… (c) stem:…… (d) flower…….....
(e) pods:……... (f) Seeds:…… (g) Seed size:……..…..…
(h) Seeds shape and colour:…… (i) time to flowering:…… (j) growth habit:…….....
(k) others: …….
14. Variety descriptor/ technique questionnaire attached
15. Test fee paid by…… P.O.BOX ……..……

Dated:…….Signed:……....……
……

FOR OFFICIAL USE ONLY:

Application No: ……Date Received: …… Fees Receipt No: …… Amount of sample received for DUS test : first season:……second season……..… Date……..……
Approved/Rejected:…… If rejection, reasons for rejection.
.....

Dated:…….Signature of the responsible officer:……
Date: …… Signature:
……
..…

FOR OFFICIAL USE ONLY:

Application No: …… Date Received: …….
Fees Receipt No: …… Advanced yield trial data (Accepted/Not accepted) ……...
Amount of sample received:…… Date Approved/Rejected: ……... If rejection, reasons for rejection.
…….....
.....
I…… ……title…… ……., certify that the information given above is correct to the best of my knowledge using the information and scientific data available to me.

Date: …… Signature: ……"

THE UNITED REPUBLIC OF TANZANIA
MINISTRY OF AGRICULTURE, FOOD SECURITY AND COOPERATIVES

THE SEED ACT, 2003

(No. 18 of 2003)

S/N…… Form SR IIIB

APPLICATION FOR NATIONAL PERFORMANCE TRIAL

(Made under Regulation 4(1))

(To be filled in Triplicate)

To: **Tanzania Official Seed Certification Institute.**

1. Full name of the Applicant: ……

2. Postal Address ……3.Tel. No. ……

4. Email. …… Fax No……

5.Name of crop ……
6. Botanical Name:……
7. Family Name:……
8. Chromosome Number……
9: Mode of Pollination:……
10.Other basic information:……
11. Proposed Name:……
12.Name under which it is tested:……
13. Agency responsible for development :……
14.Cutivar Pedigree:……
15. proposed area for release:……
16.Proposed elevation:……
17. Agency responsible for supply of pre- basic Seeds:……
18. Agency responsible for maintenance:……
19. Distinguishing characteristics (describe fully)
(a)growth habit:……..(b) leaf:……..(c) stem:……
(d) flower:……..(e) pods:……
(f) Seeds:……...(g) Seed size:……
(h)Seeds shape and colour:……...(i) time to flowering:…… (j) growth habit:……
(k) others: ……
20. Major distinguishing merits from other released varieties:……
21.Points of merits, drought tolerance, disease resistance, lodging resistance, etc……
22.Economical and quality attributes:……
23.Agronomic characters (optimal):……
(a) Sowing date:……..(b) Seeds rates:……
(c) Plant population :……(d) Maturity:……
(e) Fertilizer:……...(f) Crop height:……
(g) Irrigation need :……
(h Consumer acceptability :……(i) Others:……
24. Yield data/comparison/trial (Attach)
(a) Yield compared to check:……..(b) Yield in farmers field:……
25. Name and address of Pre- basic if deferent from the Applicant…..……

I/We certify that the information given above is correct to the best of my/our knowledge.

I/We hereby enclose a cheque for:……..being the payment of the application fee.

Date: …… Signature: ……..
*

FOR OFFICIAL USE ONLY

Application No: …… Date Received: ……
Fees Receipt No: …….. Advanced yield trial data (Accepted/Not accepted)…….…..
Amount of sample received:…….... Date Approved/Rejected: ……...……
If rejection, reasons for rejection. …….....

I…… ……title…… ……,certify that the information given above is correct to the best of m
knowledge using the information and scientific data available to me.

Date: …… Signature: ……

THE UNITED REPUBLIC OF TANZANIA
MINISTRY OF AGRICULTURE, FOOD SECURITY AND COOPERATIVES

THE SEED ACT, 2003

(No. 18 of 2003)

S/N……

Form SR IV

CERTIFICATE FOR DISTINCTINESS,UNIFORMITY AND STABILITY TEST

(Made under Regulation .7(3)

This is to certify that the candidate variety whose particulars referred herein has been passed test for Distinctness, Uniformity and Stability (DUS)
Name / number under which it was tested: ……..…..
Plant species: …….…….
Botanical Name: ……..……....
Name and Address of Applicant/ Certificate holder …….….
Certificate Number. …….…….

Issued this……day of ……200…….

Signature & stamp: …….
Chief Seed Certification Officer

THE UNITED REPUBLIC OF TANZANIA
MINISTRY OF AGRICULTURE, FOOD SECURITY AND COOPERATIVES

THE SEED ACT, 2003

(No. 18 of 2003)

S/N…… **Form SR V**

RE: RECOMMENDATION FOR THE RELEASE OF NEW VARIETY

(Made under Regulation 7(7))

(To be filled in Triplicate)

To: **National Variety Release Committee**

This is to notify that the variety whose particulars set herein below had been submitted for NPT this ……day of…….200……
The review of application was conducted by NPT- TC on ……day of…….200……

1. Full name of the Applicant/Pre- basic:
……

2. Postal Address ……3.Tel. No. ……

4. Email. …… Fax No……

5.Name of crop ……..……..……

6. Botanical Name:……..
……..……
7. Family Name:…….... ……
8. Chromosome Number……..……
9: Mode of
Pollination:…….
10.Other basic information:……Pre-
basic…….....
11. Proposed
Name:……...……...
12.Name under which it is tested:……
13. Agency responsible for development:…… ..……
14. Cutivar pedigree:…… ..……
15. Proposed area for release:……..
16.Proposed elevation:……
..……...
17. Agency responsible for supply of pre- basic Seeds:…….
..…….
18. Agency responsible for maintenance:…… ..…….…… ..…….
..…..
19. Distinguishing characteristics (describe fully)
(a) growth habit:…….(b) leaf:…….(c)
Stem:……...
(d) flower:……...(e)
pods:……...
(f) Seeds:……...(g) Seeds

size:……
(h) Seeds shape and colour:……...(i) time to flowering:……
20. Major distinguishing characters from other released varieties:……..
21.Points of merits, drought tolerance, disease resistance, lodging resistance, etc……..
22.Economical and quality attributes:……..…
23.Agronomic characters (optimal):…….....
(a) Sowing date:……..(b) Seeds rates:……..……...
(c) Plant population :…….(d) maturity:…….....…
(e) Fertilizer:……...(f) plant height:…….....
(g) Irrigation need :…….....……..……
(h) Consumer acceptability :……(i) Others:……..……
25. Yield data/comparison/trial (a)Yield compared to check:……(b) Yield in farmers field :…….……
26. Any other information:…….....

The following are the results of NPT:-

1: Mode of Pollination:…….
2. Proposed Name:…… 3.Name under which it is tested:……...
4. Agency responsible for development: ……..
5. Cultivar Pedigree: ……
6. Name of Pre- basic: …….
7. Proposed area for Release:……
8.Proposed elevation:……
9. Agency responsible for supply of pre- basic Seeds:……...
10. Agency responsible for maintenance:…….
11. Distinguishing characteristics:
(a) growth habit:…….(b) leaf:…….(c) Stem:……
(d) flower:…….....(e)pods:……...……..
(f) Seeds:…… (g) Seeds size:……..…….
(h) Seeds shape and colour:……..(i) time to flowering:…….…….
12. Major distinguishing characters from other released varieties:……..
14. Economical and quality attributes:……
15. Agronomic characters (optimal):…… (a) Sowing date:……..……
(b) Seeds Rates:……...……...(c) Plant population:…….(d)Maturity:…….

(e) Fertilizer:……..(f)crop height:…….....

(g) Irrigation need :……(h)Harvest index:…….....….....

(i) Consumer acceptability :……..(j)Others:……...……...…….

16. Yield data (a)Yield on NPT :…….(b) Yield on farm :……

Based on the above results, NPT-TC recommends that:-

(a) the variety be release (……)*

(b) the variety should not be release (……)*

Signature and Stamp:……

date:……..

**Please tick where applicable*

Secretary – NPT-TC

……

Attached:

DUS results,

NPT report,

on farm trial report

advanced yield trial

THE UNITED REPUBLIC OF TANZANIA
MINISTRY OF AGRICULTURE, FOOD SECURITY AND COOPERATIVES

THE SEED ACT, 2003

(No. 18 of 2003)

S/N……

Form SR VI

VARIETY REGISTRATION CERTIFICATE

(made under Regulation 8(2))

This is to certify that the variety whose particulars referred herein has been approved and registered for use and commercialization in Tanzania.

Name of Variety: ……..…..
Plant species: …….
Botanical Name: ……....
Name and Address of Registrant ……..….
Registration Number. ……

Issued this……day of ……200…….

Signature and Seal: …….
Director

THE UNITED REPUBLIC OF TANZANIA
MINISTRY OF AGRICULTURE, FOOD SECURITY AND COOPERATIVES

THE SEED ACT, 2003

(No. 18 of 2003)

S/N…… Form SR VII

APPLICATION FOR INSPECTION OF SEED FIELD CROP

(Made under Regulation 27(1))

(*To be completed in triplicate)*

To: Tanzania Official Seed Certification Institute

Note:

- Separate application form must be submitted for each crop and variety grown for certification and must be submitted within 30 days after planting.
- A map giving clear instruction on how to reach the farm as well as the location of the field unit within the farm must be drawn overleaf.

1. Full name of Applicant: .....Address:..... Telephone: .....……..
2. Name of Contract grower (if any)*:.....Address: .....Telephone: .....
3. Person to be Contacted for field inspection: .....……Address: ..... Telephone: .....…….
4. Location of the field from the nearest town: .....… ……..... .....
5. Location of the field within the farm: .....……..... ..
6. Details of crop to be produced/grown:

Crop	Variety	Class	Lot No. of Seeds used	Hectarage:	Source of Seeds use (Supplier/Seller	Planting date

7. Estimated flowering/Tasselling date: …….....……..... .....
8. Quantity of Seeds Used: ..... kgs No. of Containers:.....Weight of each container: .....kgs
9. Estimated date of Harvesting (Approximate): .....……
10. Previous crops and varieties grown in this field for the last two growing seasons……

* a separate application form should be filled for each contract grower.

Declaration:

I hereby declare that all information provided here is true to the best of my knowledge and belief and I shall always observe all conditions governing Seeds production as provided in the Seeds Act and Regulations.

Enclosed herewith is a cheque of the sum of shillings…… being payment of the inspection.
Date: .....…….. ……Signature of Applicant: ……..……..... .....
Designation: ....…

FOR OFFICIAL USE ONLY

Date received:…… ……..Appication No……..…
Application accepted/rejected: .....

If rejected, state reasons for rejection:.....
Field Registration No: ……

Date: .....…..... *Signature:* .....
Designation:.....

Form SR. VIIIA

THE UNITED REPUBLIC OF TANZANIA
MINISTRY OF AGRICULTURE, FOOD SECURITY AND COOPERATIVES

THE SEED ACT, 2003

(No. 18 of 2003)

TANZANIA OFFICIAL SEED CERTIFICATION INSTITUTE

S/N……

FIELD INSPECTION RESULTS

(*Made under Regulations 27(12)*)

(*to be filled after every inspection*)

Applicant name…….Address……..…

Grower name…….Address……..…

Crop ……..Variety:……..

Class:……...hectares:……..……...…

Does the crop have proper cutivar characteristics……..

Count	*Off - types*	*Diseases*	*Other features*	*Objectionable weeds*	*Other crop weeds*
1.					
2.					
3.					
4.					
5.					
6.					
Total					
Average					
percentage					
Identity					

The isolation distance /time of ……days/meters is adquate/inadquate and should be corrected.
General conditions of crop e.g drought, crop husbandry, etc……..
……..
Further remarks……
……..
Estimated yield ……bags/hectares……..
Comments:
This crop is approved/rejected.
If rejected state reasons:……..
……..
Signature of Seeds Grower or representative of the Grower ……Date……...……
Name of the Inspector: ……
Signature……..Date……..……
Inspector

THE UNITED REPUBLIC OF TANZANIA
MINISTRY OF AGRICULTURE, FOOD SECURITY AND COOPERATIVES

THE SEED ACT, 2003

(No. 18 of 2003)

TANZANIA OFFICIAL SEED CERTIFICATION INSTITUTE

S/N…… Form SR. VIIIB

FINAL FIELD INSPECTION RESULT

(Made under Regulation 27(13))

Applicant name……Address……..…

Grower name…….Address……..…..…

Crop ……..Variety:……..

Class:……...hectares:……..……..…

Factor	1st inspection	2nd Inspection	3rd Inspection	Total No. or %
Off - types				
Diseases				
Tassels				
Weeds				
Other crops				
Other (specify)				

Remarks…….

……

……

This Crop is approved/rejected.

If rejected, state reasons:……...

Signature …….
Seed grower

Signature……..Date…….…….
Filed Inspector

Copy to:
Grower.
Chief Seed Certification Officer

THE UNITED REPUBLIC OF TANZANIA
MINISTRY OF AGRICULTURE, FOOD SECURITY AND COOPERATIVES

THE SEED ACT, 2003

(No. 18 of 2003)

TANZANIA OFFICIAL SEED CERTIFICATION INSTITUTE

S/N…… Form SR IX

SEED TRANSPORT ORDER

(Made under Regulation 29(2))

To:……..of ……...

This order is issued to authorize transportation for processing of ……bags/tones of seed crop from ……to ……on…….200…….

Crop : ……..…….

Variety: ……....….

Class: ……..…...

Mode of transportation :…….…

Vessel Registration No:. ……

Type of the identification:…… *)*

……
***Seeds* Inspector**

THE UNITED REPUBLIC OF TANZANIA
MINISTRY OF AGRICULTURE, FOOD SECURITY AND COOPERATIVES

THE SEED ACT, 2003

(No. 18 of 2003)

TANZANIA OFFICIAL SEED CERTIFICATION INSTITUTE

S/N……

Form SR X

WORK ORDER

(Made under Regulation 30(2))

This work order is issued at ……this …….. day of ……200…….

Name and address of Seeds producer : …… ……

Crop : …… variety ……

Name and address of Seeds processor: ……

Location of processing plant…… ……

Class ……Weight of lot before processing……kg

Lot No……..Provisional germination…… %

No. of Labels	Serial Nos. of labels Issued	No. of unused Labels	Date of Sealing	Nos. of Seals used	No. Container	Sample No.

Remarks if any
……
……
……
……

Name of Inspector:……

Signature: …….

Cc:
Chief Seed Certification Officer

THE UNITED REPUBLIC OF TANZANIA
MINISTRY OF AGRICULTURE, FOOD SECURITY AND COOPERATIVES

THE SEED ACT, 2003

(No. 18 of 2003)

TANZANIA OFFICIAL SEEDS CERTIFICATION INSTITUTE

S/No FORM SR XI

STOP SALE ORDER

(Made under Regulation 32(5))

(to be filled in dublicate)

Date:……..

To: .. ……..……
(*Name of Seeds Dealer*)

Address:……

Businness Licence No…….....

You are hereby informed that the following lots of Seeds are found to be in violation of Seeds Act and Regulations :

Crop	Variety	Lot No.	No. of containers	Quantity in Kg.	Nature of violation	Sampled	
						Yes	No

By this Notice you are ordered to hold these lot/ lots of Seeds intact at:……...
until compliance with the law has been achieved and the Seeds has been released from this order .

Once you comply with the relevant violated provision of the Seed Act or Regulations, please contact Chief Seeds Certification Office.

Other instruction: …….....

Name of Inspector: …… ..Name of seed dealer …….....

Signature: …… Signature: …….....

Date: …… Signature: …….....

THE UNITED REPUBLIC OF TANZANIA
MINISTRY OF AGRICULTURE, FOOD SECURITY AND COOPERATIVES
THE SEED ACT, 2003

(No. 18 of 2003)

S/No FORM SR XII

NOTICE TO IMPORT SEED

(Made under Regulation 33(1))

To:
The Director,
Ministry of Agriculture, Food Security and Cooperatives
P.O.BOX 9192
Dar Es Salaam

I/ We hereby apply to Import Seed described herein below in accordance with the terms and conditions laid down in the Seed Act and the Regulations made thereto.

1. Full Name of Applicant: ……..
2. Address:……Tel:……
3. Registration No……
4. Previous permit No. (if any)……Location of the store/godown where the Seeds will be kept after arrival :……
5. Quantity of the Seeds of the same variety in stock (if any)……
6. Country of Origin……..
7. Name and address of the Supplier:……..…
8. Expected date of arrival of the consignment……
9. Mode of transport ……
10. Point of entry……..……..
11. Particulars of seed ……

Crop	Variety Name	Class	Quantity in Kg.

Declaration:

I declare that all information provided herein is true and I do undertake to observe all terms and conditions for importation/ exportation as provided in the Seeds Act and its Regulations.

Signed this……day of ……200……

Signature:……..

FOR OFFICIAL USE ONLY
Date Received:……..

Application Fees paid ……..…

Action taken :
Considered for permit/ Not considered for Permit*
Date: ……..
Signature:……

Director

**please delete where necessary*

THE UNITED REPUBLIC OF TANZANIA
MINISTRY OF AGRICULTURE, FOOD SECURITY AND COOPERATIVES

THE SEED ACT, 2003

(No. 18 of 2003)

S/N……

Form SR XIII

SEED IMPORT PERMIT

(Made under Regulation 33(3))

Permit No. ……Date issued ……..……...……..

Permission is hereby granted to …… of Postal Address Office……...
(Name and of the Seeds dealer)

……, Registration No. ……..
to import from. ……..

the following Seed: _

Species	Variety	Class	Weight in kg

This permit is issued subject to the following conditions:

1. The consignment of Seeds shall be accompanied by-

(a) Phytosanitary certificate.

(b) Certificate of quality issued by a Recognized Certification Agency

2. The consignment shall be subjected to Tanzania Plant Protection Act and Regulations made thereof and on arrival in the country, the Seeds shall be inspected in accordance with the Seed Act and Regulations made thereto.

3. The Seed shall not be distributed prior to the outcome of the results of sample.

4. The Permit holder shall be required to pay all fees as stipulated in the Seeds Regulations.

5. The permit holder shall be required to fulfill all conditions for importation as provided in the relevant law of Tanzania.

6. This permit is not transferable and may be revoked if the holder fails to comply with the terms and condition for conditions as provide in the Seed Act and the Regulations made thereto.

7. The permit shall be for …….months only.

Signature : ……..
Director

cc. Chief Seeds Certification Officer.

THE UNITED REPUBLIC OF TANZANIA
MINISTRY OF AGRICULTURE, FOOD SECURITY AND COOPERATIVES
THE SEED ACT, 2003

(No. 18 of 2003)

S/No FORM SR XIV

NOTICE TO EXPORT SEED

(Made under Regulation 34(1))

To:
The Director
Ministry of Agriculture, Food Security and Cooperatives
P.O.BOX 9192
Dar Es Salaam

I/ We hereby apply to export Seed described herein below in accordance with the terms and conditions laid down in the Seed Act and the Regulations made thereto.

1. Full Name of Applicant: ……..
2. Address:……Tel:……..
3. Registration No……
4. Previous permit No. (if any)……Location of the store/godown where the Seeds will be kept after arrival :……
5. Quantity of the Seeds of the same variety in stock (if any)……..
6. Country of Origin……..…
7. Name and address of the Supplier:……...…
8. Expected date of arrival of the consignment……
9. Mode of transport ……
10. .Point of entry……..
11. Particulars of seed ……..……..……

Crop	Variety Name	Class	Quantity in Kg.

Declaration:

I declare that all information provided herein is true and I do undertake to observe all terms and conditions for Importation/ exportation as provided in the Seeds Act and its Regulations.

Signed this……day of ……200……

Signature:……..

FOR OFFICIAL USE ONLY
Date Received:……..

Application Fees paid ……..…

Action taken :
Considered for permit/ Not considered for Permit*

Date: ……..

Signature:……
Director

*please delete where necessary

THE UNITED REPUBLIC OF TANZANIA
MINISTRY OF AGRICULTURE, FOOD SECURITY AND COOPERATIVES

THE SEED ACT, 2003

(No. 18 of 2003)

S/N……

Form SR XV

SEED EXPORT PERMIT

(Made under Regulation 34(3))

Permit No. ……Date issued ……...……...……..

Permission is hereby granted to …… of Postal Address Office……...

(Name and of the Seeds dealer)

……, Registration No. ……..
to import from. ……..

the following Seed: _

Species	Variety	Class	Weight in kg

This permit is issued subject to the following conditions:

1. The consignment of Seeds shall be accompanied by-

(a) Certificate of quality issued by Tanzania Official Seed Certification Institute.

(b) Phytosanitary certificate and other relevant document governing exportation issued by relevant authorities.

2. The Permit holder shall be required to pay all fees as stipulated in the Seeds Regulations.

3. The permit holder shall be required to fulfill all conditions for exportation as provided in the relevant law of Tanzania and the country which seeds are exported.

4. This permit is not transferable and may be revoked if the holder fails to comply with the terms and condition for conditions as provide in the Seed Act and the Regulations made thereto.

5. The permit shall be for …….months only.

Signature : ……..

Director

cc. Chief Seeds Certification Officer.

FORM SR XVI

THE UNITED REPUBLIC OF TANZANIA
MINISTRY OF AGRICULTURE, FOOD SECURITY AND COOPERATIVES

THE SEED ACT, 2003

(No. 18 of 2003)

S/N……

APPLICATION FOR SEED TESTING

(Made under Regulation 38(2))
(To be filled in Triplicate)

To: Tanzania Official Seed Certification Institute1. Full name of the Applicant: **…….……**

2. Postal Address …… (3) Tel. No. .....

4. Email. ….....Fax No…….. .....

5. Crop …….....

6. Variety .....Class ……..…….

7. Lot No. ……Ref. ……...……

8. Seeds Import Permit No. …….. of ……Date ……

9. Weight of Lot……

10. Seeds dressing……...……..

11. Date of Sampling:……
12. Tests required……
(purity/germination/moisture/injurious weeds/diseases/) *
13. Testing fee paid …… Payment Voucher/ Cheque No ……..).

I certify that the sample was drawn by me in the prescribes manner this ……..day of ……...

Name of Sampler:…….Address……..……

Signature:……

* delete as necessary

FOR OFFICIAL USE ONLY:

Application No: …… Date Received:……
Fees Receipt No: ……..
Amount of sample received for testing :……..…. ……

Test requested:……..……..…. ……

Test results:

Dated:…….Signature of the responsible officer:……

FORM SR XVII

S/N……

THE UNITED REPUBLIC OF TANZANIA
MINISTRY OF AGRICULTURE, FOOD SECURITY AND COOPERATIVES

THE SEED ACT, 2003

(No. 18 of 2003)

TANZANIA OFFICIAL SEED CERTIFICATION INSTITUTE

_____

SEEDS TESTING CERTIFICATE

_____

(Made under Regulation 38(3)(b))
((To be filled in Triplicate)

OFFICIAL SAMPLE NO. Date received:	TEST NUMBER			
Lot Number:	Weight of lot:			
Crop and variety:				
Class of Seeds :				
Country of origin:				

RESULT OF ANALYSIS

Purity				Germination					
Pure Seeds (P)	Inert matter	Other Seed	Weed Seed	Capacity (G)	Hard	Fresh ungerminated Seed	Abnormal Seedslings	Pure germinating Seed $\frac{P \times G}{100}$	Moisture
%	%	%	%	%	%	%	%	%	%

Types of :

(1) Inert matte ……
(2) Other Seed……
(3) Weed Seed:
(a) objectionable ……
(b) restricted ……
Special test:……..
…… ……..
Remarks:

It is hereby certified that the Seeds lot described above has met/ has not met minimum Seed standards for ……class

Signature…….
Seeds Analyst
Date:……

Signature…….
Chief Seeds Certification Officer

FORM XVIII

S/N……

THE UNITED REPUBLIC OF TANZANIA
MINISTRY OF AGRICULTURE, FOOD SECURITY AND COOPERATIVES

THE SEED ACT, 2003

(No. 18 of 2003)

TANZANIA OFFICIAL SEED CERTIFICATION INSTITUTE

SEED TESTING REPORT

(Made under Regulation 38(3)(c))

PRIVATE SAMPLE NO.	TEST NUMBER			
Date received:				
Lot Number:	Weight of lot:			
Crop and variety:				
Class of Seeds:				
Country of origin:				

RESULT OF ANALYSIS

Purity				Germination					
Pure Seeds (P)	Inert matter	Other Seed	Weed Seed	Capacity (G)	Hard	Fresh ungerminated Seed	Abnormal Seedslings	Pure germinating Seed $\frac{P \times G}{100}$	Moisture
%	%	%	%	%	%	%	%	%	%

Types of :

(1) Inert matte ……

(2) Other Seed……

Signature…….
Seeds Analyst

Date:……

Signature…….
Chief Seed Certification Office

THE UNITED REPUBLIC OF TANZANIA

MINISTRY OF AGRICULTURE AND FOOD SECURITY

THE SEEDS ACT, 2003

(No. 18 of 2003)

S/N……

Form SR - XIX

Registration No. ……

_____

CEERTIFICATE OF AUTHORISATION AS INSPECTOR/SAMPLER/ANALYST*

_____

([Made under Regulation 42(4))

This is to certify that……
of……..……
(Name and address of Registrant)

has been registered and authorized as …
……..…….

This authorization shall be valid for the period of ……from……to ……and may be cancelled if the registrant fails to comply with terms and conditions for authorisation and the provisions of the Seed Act and Regulations.

Issued at ……this……..……..….day of …….…….200…….

Signature and seal :……..
Chief Seed Certification Officer

* delete where not applicable

CC: Director

SIXTH SCHEDULE

FEES FOR SERVICES

(Made under Regulation 40 (1))

Charges based on the services rendered for each operation

S/N	Categories of services rendered by the Institute	TSHS	1USD=2300TSHS
A:	Seed Field Inspection		
	1. Field crops		
	Pre-Basic and Basic Grades		
	0 –10 Hectares	75,000	32.61
	11 – 100 Hectares	225,000	97.83
	Above 100 Hectares	300,000	130.43
	Certified Grade		
	0 – 10 Hectares	100,000	43.48
	11 – 100 Hectares	300,000	130.43
	Above 100 Hectares	400,000	173.91
	2. Sugar cane		
	Pre-Basic and Basic Grades		
	0 –10 Hectares	75,000	32.61
	11 – 100 Hectares	225,000	97.83
	Above 100 Hectares	300,000	130.43
	Certified Grade		
	0 -10 Hectares	100,000	43.48
	11 – 100 Hectares	300,000	130.43
	Above 100 Hectares	400,000	173.91
	3. Vegetables and pastures		
	0 – 10 Hectares	100,000	43.48
	Each additional Hectare	50,000	21.74

S/N	Categories of services rendered by the Institute	TSHS	1USD=2300TSHS
	4. Tree and Fruit Crops		
	3.1 Mother plants		
	0 -10 Hectares	75,000	32.61
	3.2 Tree and fruits (root stock and grafted clones)		
	0-10,000 Plants	50,000	21.74
	10,001 – 40,000 Plants	100,000	43.48
	Above 40,000	200,000	86.96
B:	Seed Inspection and Sampling (per seed lot)		
	1. Field crops	100,000	43.48
	2. Vegetables and pastures	50,000	21.74
	3. Root and tuber crops	100,000	43.48
C:	Seed Testing for germination, purity and moisture content (per seed sample representing a seed lot)		
	Pre-Basic and Basic Grades		
	1. Field crops	200,000	86.96
	2. Vegetables and pastures	75,000	32.61
	Certified Grade		
	1. Field crops	400,000	173.91
	2. Vegetables and pastures	100,000	43.48
D:	Seed Health Testing (per sample)		
	1. Root and tuber crops	639,562	278.07
	2. Other crops	75,000	32.61
	3. Tree and Fruit Crops	639,562	278.07

S/N	Categories of services rendered by the Institute	TSHS	1USD=2300TSHS
	4. Sugar cane	639,562	278.07
E:	Certificates and Tags		
	Labels		
	Field crops		
	Supervision	100	0.04
	Printing	100	0.04
	Vegetables Tree and Fruit crops		
	Fruit trees		
	Supervision	100	0.04
	Printing	100	0.04
	Tree crops		
	Supervision	20	0.01
	Printing	20	0.01
	Vines (per bundle)		
	Supervision	100	0.04
	Printing	100	0.04
	Vegetables		
	Supervision	50	0.02
	Printing	50	0.02
	Roots and tubers (per bundle)		
	Supervision	100	0.04

S/N	Categories of services rendered by the Institute	TSHS	1USD=2300TSHS
	Printing	100	0.04
	Sugar cane (per bundle)		
	Supervision	100	0.04
	Printing	100	0.04
	Banana and plantain (per batch)		
	Supervision	100	0.04
	Printing	100	0.04
	Fibre crop (per seedling)		
	Supervision	50	0.02
	Printing	50	0.02
	Tissue culture plantlets (per batch)		
	Supervision	100	0.04
	Printing	100	0.04
	Seals	500	0.22
	Certificate of Seed Import or Export	20,000	8.70
F:	Other Charges full test)		
	Conducting DUS test	1,200,000	521.74
	Conducting NPT	1,400,000	608.70
	Authorization or licensing of seed sampler and analyst	100,000	43.48
G:	Re- testing fees (per seed sample representing a seed lot) for applicant who appeal		

GN. NO. 252 (Contd.)

S/N	Categories of services rendered by the Institute	TSHS	1USD=2300TSHS
	Germination		
	Field crops	100,000	43.48
	Vegetables and pastures	50,000	21.74
	Moisture content		
	Field crops	50,000	21.74
	Vegetables and pastures	20,000	8.70

	Seed health		
	Root and tubers	639,562	278.07
	Other crops	75,000	32.61
	Vegetables and pastures	100,000	43.48
H:	Training fee	150,000	65.22

"

Dodoma,
23rd March, 2023

HUSSEIN M. BASHE,
Minister for Agriculture

SEVENTH SCHEDULE

(*Made under Regulations 7(4)(a)*)

APPROVED TESTING SITES FOR NATIONAL PERFORMANCE TRIAL

Crop Type	High Altitude	Mid Altitude	Low Altitude
A: Compulsory certification crops			
Hybrid Maize	Dabaga, Njombe, Uyole, Nkundi (Sumbawanga) ,Machame or Marangu	AFSF or Selian, Lambo, Gairo, Mbimba, Babati, Laela	Msimba or Ilonga, KATRIN, SUA, Maramba or Mwele, Uchira, Nachingwea
Sweet Corn	Dabaga, Njombe, Uyole, Nkundi (Sumbawanga)	AFSF or Selian, Miwaleni, Gairo	Msimba or Ilonga, KATRIN, Kibaha, SUA, Maramba or Mwele
Open Pollinated Maize	Dabaga, Njombe, Uyole, Nkundi (Sumbawanga)	AFSF or Selian, Lambo, Gairo Ukiriguru	Msimba or Ilonga, KATRIN, Kibaha, Naliendele, SUA, Nachingwea Maramba or Mwele
Common dry beans	Dabaga, Njombe, Uyole, Nkundi (Sumbawanga)	AFSF or Selian, Lambo, Gairo, Mbimba	Msimba or Ilonga, KATRIN, SUA
Snap beans	Dabaga, Njombe, Uyole, Nkundi (Sumbawanga)	AFSF, Horti-Tengeru	
Soya beans	Dabaga, Njombe, Uyole, Nkundi (Sumbawanga)	AFSF or Selian, Horti-Tengeru, Laela (Sumbawanga), Maruku	Msimba or Ilonga, KATRIN, Naliendele or Nachingwea, SUA
Hybrid sorghum	Uyole, Mbozi, Dabaga, Nkundi (Sumbawanga)	AFSF or Selian, Miwaleni, Ukiriguru, Hombolo	Msimba or Ilonga, KATRIN, Kibaha, Naliendele, SUA
Open Pol. s or ghum		AFSF or Selian, Miwaleni, Ukiriguru, Hombolo	Msimba or Ilonga, KATRIN, Kibaha, Naliendele, SUA
Wheat or Barley	Dabaga, Njombe, Uyole, Basuto (Hanang) Nkundi(Sumbawanga)	AFSF or Selian, Karatu, West Kilimanjaro	
Rice (Lowland)		Ukiriguru, KATC (Moshi), Mbarali	Dakawa, KATRIN, Ruvu, SUA, Kyela, Kitere, Kinyope (Lindi) Mkwaya (Lindi)
Rice (Upland)		Matombo, Mahenge	Kyela,Kitaya
Hybrid sunflower	Dabaga, Njombe, Uyole, Nkundi(Sumbawanga)	AFSF or Selian, Miwaleni, Ukiriguru, Hombolo	Maramba or Mwele Naliendele or Nachingwea, SUA
Open pol. Sunflower	Dabaga, Njombe, Uyole, Nkundi(Sumbawanga)	AFSF or Selian, Miwaleni, Ukiriguru, Hombolo	Msimba or Ilonga, KATRIN, Naliendele or Nachingwea SUA, Maramba or Mwele
Irish potato	Dabaga, Njombe, Uyole, Kifyulilo	HORTI-Tengeru, Miwaleni, West Kilimanjaro	
Groundnuts		Ukiriguru, Hombolo, Tumbi (Tabora), Gairo	Naliendele or Nachingwea, Ilonga or Msimba, Chambezi, Masasi, Chambezi
B:Voluntary certification crops			
Cassava*		Ukiriguru, Hombolo Tumbi (Tabora) HORTI- Tengeru	Kibaha, Mlingano, Chambezi, Naliendele or Nachingwea, Masasi, Mtopwa (Newala)
Sweet potato		Gairo, Hombolo, Miwaleni, Hort Tengeru, Ukiriguru, Tumbi (Tabora)	SUA Naliendele or Nachingwea
Carrots	Dabaga, Njombe, Uyole	HORTI-Tengeru, Miwaleni, West Kilimanjaro	
Green gram		AFSF or Selian, Miwaleni, Ukiriguru, Hombolo, Tumbi (Tabora)	Kibaha, Mlingano, Msimba or Ilonga , Maramba or Mwele Naliendele or Nachingwea, SUA, Msimba or Ilonga

Pigeon pea (Long duration)		AFSF or Selian, Miwaleni, Ukiriguru, Isimani, Tumbi (Tabora) Hombolo Karatu	Msimba or Ilonga, KATRIN, SUA, Masasi
Pigeon pea (Mid. & short duration)		AFSF or Selian, Miwaleni, Ukiriguru, Isimani, Tumbi (Tabora), Hombolo, Karatu	Kibaha, Mlingano, Msimba or Ilonga, Naliendele or Nachingwea, SUA
Cowpea		AFSF or Selian, Miwaleni, Ukiriguru, Hombolo, Ismani, Tumbi (Tabora)	Msimba or Ilonga, Naliendele or Nachingwea, SUA, Mlingano or Maramba, Masasi
Sesame		AFSF or Selian, Miwaleni, Ukiriguru, Hombolo,	Kibaha, Mlingano, Msimba or Ilonga, Naliendele or Nachingwea, SUA,Kilwa
Tomato	Uyole, Dabaga, Njombe	Seatondale (Iringa) HORTI-Tengeru, Ukiriguru, Lushoto, Makutop or a	Dakawa or SUA, Kibaha, Mlingano, Maramba or Mwele
Onion	Uyole, Dabaga, Njombe,	Seatondale (Iringa) HORTI-Tengeru, Ukiriguru, Mbarali Makutop or a, Karatu	Dakawa or SUA, Kibaha, Mlingano, Maramba or Mwele

Key to the abbreviations on the table:
AFSF = Arusha Faundation Seeds farm
SUA = Sokoine University of Agriculture
KATC = Kilimanjaro agricultural Training Centre
Horti - Tengeru = Horticultural Research Institute Tengeru
KATRIN = Kilombero Agricultural Training and Research Institute

EXPERIMENTAL DESIGNS AND DATA COLLECTION

(a) Experimental design, plot size and number of replications for NPT

CROP	DESIGN	MINIMUM GROSS PLOT SIZE		MINIMUM REPLICATIONS
		ROW LENGTH (Meters)	NUMBER OF ROWS	
Maize	RCBD	5	4	3
Dry Beans	RCBD	5	4	3
Snap Beans	RCBD	5	4	3
S or ghum	RCBD	5	4	3
Wheat or Barley	RCBD	3	12	3
Rice	RCBD	5	20	3
Sunflower	RCBD	5	4	3
Irish Potato	RCBD	5	4	3
Carrots	RCBD	3	6	3
Cassava	RCBD	5	4	3
Pigeon Peas	RCBD	5	4	3
Cow peas	RCBD	5	4	3
Green gram	RCBD	5	4	3
Groundnut	RCBD	5	4	3
Sweet potato	RCBD	5	4	3
Sesame	RCBD	5	4	3
Tomato	RCBD	6	2	3
Onion	RCBD	3	6	3

(b) BASIC INFORMATION ON MANAGEMENT OF NPTs

1. Planting Date
2. Fertilizer rate
3. Weeding regime or herbicide application
4. Plant spacing
5. Pesticides application (if any)
6. Weather (rainfall and temperature)

EIGHTH SCHEDULE

PROHIBITED, RESTRICTED AND NOXIOUS WEED SEEDS

(Made under Regulation 48)

The seed of the species of plants specified in this Schedule are hereby prescribed as weed seed for the purpose of establishing class standards under the Act.

Class 1: Objectionable Weed Seed

Objectionable weed seeds are weed seed not allowed in any seed at all, that is to say, a sample of seed may not contain any objectionable weed seed. However, if any objectionable weed seed is found in a sample, the tolerance shall be one seed per kilogram. If two or more seed are found in a kilogram the seed shall be placed under stop sale until it has been re-cleaned and retested. When one objectionable weed seed is found it will be considered within the tolerance none. The following are objectionable weed seed:-

1. Witch weed……. *Striga spp*
2. Dodder…… *Cascuta spp*
3. Field bind wood……. *Convolvus arvensis* L.
4. Hemp…… ….. ……. *Marijuana spp.*
5. True Hemp (in Swahili Bhangi) …… ……. *Cannabis Sativa*
6. Cocaine plant …… …….. *Erythrosylum spp.*
7. Sudan grass…… ……. S*orghum sudanese*
8. Thorn apple…… ……... *Datura spramondum* L.
9. Wild oats ……. …… *Avena* spp.

Class 2: Restricted Noxious Weed Seed

The following are restricted noxious weed seed:-

1. Couch grass …… *Digitaria scalarum* (Schweinf.) Chiov.
2. Nutgrass, Watergrass……. *Cyperus* spp.
3. Perennial sowthistle……. *Sonchus arv*ensis L.
4. Wild mustard……. . …… *Brassica campestris* L
5. Mexican poppy ……. ….. *Argemone mexicana* L.
6. Darnel……. …… *Lolium temulentum* L.
7. Guinea-fowl grass……. *Rottboelia exaltata* L.f.
8. Love grass ……. …… *Setaria verticiltata* (L.) Beauv.
9. Wild rice ……. …… *Oryza barthii* A. Chev.

The presence of restricted noxious weed seed in any sample of seed shall be restricted. Where any restricted noxious weed seed are found in any sample of seed the maximum allowed shall not exceed four weed seed per kilogram, whether the four weed seed are of the same or a combination of two or more s of weed seed, the name and number of each must be stated on the label.

Class 3: Common Noxious Weed Seed.

Common Noxious Weed Seed are seed bulblets or tubers or pieces thereof specified as weed seed under the Seed, Regulations 2006 or recognized as weed seed by general usage. The presence of standard noxious weed seed in any sample of seed shall be restricted. Where any standard noxious weed Seed are found in any sample of seed the maximum allowed shall not exceed 1.5% by weight.

Common noxious weed seed include, but not restricted to, the following seed:-

1. Cleavers…… *Galium spurium* L.
2. Dock ……. ……. *Ramex crispus* L.
3 Chickweed ……. …… *Stellaria media (*L.) Vill.
4. Mexican marigold ……. *Tagetes minuta* L.
5. Chinese lantern …… *Nicandra physalodes* (L.) Gaertn.
6. Oxalis ……..…… *Oxalis latifolia* H.B.K.
7. Blackjack ……..…… *Bidens pilosa* L.
8. Pigweed……. ……. *Amaranthus* spp..
9. Goosefoot……. …….. *Chenopodium* spp.
10. Crabgrass…… *Digitaria velutina* (Forsk.) Beauv.
11. Macdonaldi, Gallant soldier …….. *Galinsoga paarviflora*. Cav.

Dar Es Salaam,
……, 2007

STEPHEN M. WASIRA (MP)
Minister for Agriculture Food Security and Cooperatives

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Supplement No. 3

20th January, 2017

SUBSIDIARY LEGISLATION

to the Gazette of the United Republic of Tanzania No. 3 Vol. 98 dated 20th January, 2017

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GOVERNMENT NOTICE NO. 6 published on 20/01/2017

THE SEEDS ACT,

(CAP.308)

REGULATIONS

(Made under section 33)

THE SEEDS (AMENDMENT) REGULATIONS, 2017

Citation

G.N.No.37 of 2007

1. These Regulations shall be cited as the Seeds (Amendment) Regulations, 2017 and shall be read as one with the Seeds Regulations, 2007, hereinafter referred to as the "principal Regulations".

Amendment of regulation 2

2. The principal Regulations are amended in regulation 2 by-

(a) inserting in its alphabetical order the following new definitions-

"applicant" means a person or an organization registered under the Act;

"Director" means Director responsible for agricultural development within the Ministry;

"NSC" means the National Seed Committee;"

(b) deleting the definition of the terms "authorized field inspector", "certificate of registration" and "Chief Seed Quality Controller" and substituting for them the following-

"certificate of registration" means a certificate issued by the Institute certifying that the holder of the said certificate is registered as a seeds dealer pursuant to section 16 of the Act;

"Field Inspector " means a person authorized to undertake field inspection by the Tanzania Official Seed Certification Institute;"

Amendment of regulation 3

3. The principal Regulations are amended in regulation 3 by deleting the word "Director" appearing in sub regulations (1) and (3) and substituting for it the word "Institute".

Amendment of regulation 4

4. The principal Regulations are amended by deleting regulation 4 and substituting for it the following-

"Registration for variety release

4.-(1) No variety shall be released in Tanzania unless it has passed DUS test, evaluated through the National Performance Trial and recommended for release by the National Seed Committee, except for vegetable variety which may be released after it has passed DUS test.

(2) Tanzania may accept DUS test result from a recognized authority or organization of any country which is in agreement with Tanzania on seed regulations and/or quality control."

Amendment of regulation 7

5. The principal Regulations are amended in regulation 7(2) by-

(a) adding immediately after paragraph (b) the following-

"(c) variety name;"

(b) renaming paragraphs (c) and (d) as paragraphs (d) and (e) respectively;

(c) deleting the open phrase of sub regulation (4) and substituting for it the following-

"(4) Except for an applicant from a country which is in agreement with Tanzania on

seed regulations and/or quality control, every application for NPT test shall be supported with the following-"

Amendment of regulation 8

6. The principal Regulations are amended in regulation 8 by deleting the word "Director" appearing in sub regulations (1) and (3) and substituting for it the word "Institute".

Amendment of regulation 9

7. The principal Regulations are amended in regulation 9 by-

(a) deleting the word "the Director" appearing in sub regulation (1) and substituting for it the word "The Institute";

(b) adding immediately after sub regulation (2) the following-

"(3) Without prejudice to the provisions of these Regulations, variety deregistration shall be applied, subject the terms and conditions provided by a country which is in agreement with Tanzania on seed regulations and/or quality control."

Amendment of regulation 11

8. The principal Regulations are amended in regulation 11 by deleting the words "longer or" appearing in sub regulation (4).

Amendment of regulation 13

9. The principal Regulations are amended in regulation 13(4) by deleting the word "Minister" and substituting for it the words "the Chief Seed Certificate Officer".

Amendment of regulation 14

10. The principal Regulations are amended in regulation 14(3) by deleting the words "or attached a conspicuous label" and substituting for them the words "with a warning signs and a conspicuous writing".

Amendment of regulation 33

11. The principal Regulations are amended in regulation 33 by-

(a) deleting the word "Director" appearing in sub

regulation (1) and substituting for it the word "Institute";

(b) deleting paragraphs (c) and (d) appearing in sub regulation (2) and substituting for them the following-

"(c) the class and quantity of seeds;"

(c) renaming paragraphs (e) and (f) as paragraphs (d) and (e) respectively.

(d) deleting the words "the cultivar" appearing in paragraph (e) as renumbered and substituting for them the word "variety".

(e) deleting the word "Director" appearing in sub regulation (3) and substituting for it the word "Institute";

Amendment of regulation 34

12. The principal Regulations are amended in regulation 34 by deleting the word "Director" appearing in sub regulations (1) and (3) and substituting for it the word "Institute".

Amendment of regulation 44

13. The principal Regulations are amended by deleting regulation 44 and substituting for it the following-

"Change of variety's name

44.-(1) The maintainer of a variety may apply to the Director for change of registered variety name.

(2) The provisions of regulation 8 shall apply *mutatis mutandis*, in respect of changing variety's name under this regulation.

(3) The Director shall change variety's name after approval of the Minister in terms of section 21 of the Act.

(4) Change of variety name shall come into effect on the date on which the Director enter the name into the National Variety Catalogue".

Amendment of the First Schedule

14. The principal Regulations are amended by-

(a) deleting Table 15 appearing in Part II of the First Schedule and substituting for it the following-

"TABLE 15

Applicable to:

Cassava - *Manihot esculentum*

	Class			
Factor	**Pre-Basic**	**Basic**	**Certified 1**	**Certified 2**
Land history				
Minimum rotation (years/seasons)	2	2	2	2
Minimum number of inspections	2	2	2	2
Minimum isolation (m)	300	200	100	100
Minimum distance between varieties (m)	3	3	3	3
Maximum permitted ratoons	2	2	2	2
Maximum shoots per ratoon	3	3	3	3
Off-types (%) (5x40 counts/ha)	0	1	1	1
Diseases				
Cassava mosaic disease – Max incidence (%)	1	2	3	3
Cassava bacterial blight – Max mean severity	2.5	2.5	2.5	2.5
Cassava brown streak disease – Max incidence (%)	2	4	7	7
Cassava brown streak disease – Lab testing (Max %)	4	-	-	-
CBSD–Lab testing–tissue culture plantlets (Max %)	0	0	-	-
Pests				
Cassava mealybug – Max incidence (%)	1	2	4	4
Cassava green mite – Max mean severity	2.5	3.0	3.5	3.5
Scale insects – Max incidence (%)	1	2	4	4
Postharvest seed standard				
Harvesting age – new crop	8-18mth	8-18mth	8-18mth	8-18mth
Harvesting age – ratoon crop	6-12mth	6-12mth	6-12mth	6-12mth
Minimum length of cutting	20cm	20cm	20cm	20cm
Minimum diameter of cutting	2cm	2cm	2cm	2cm
Minimum number of nodes/cutting	5	5	5	5
Maximum damaged nodes	20%	20%	20%	20%
Validity of certification	2	2	2	2

Factor Class

TABLE 16

Applicable to:

Irish potatoes - *Solanum tuberosum*

	Pre basic TC	*Pre- basic*	*Basic Class 1*	*Basic Class 2*	*Certified 1*	*Certified 2*
Land history:						
▪ Land seasons free from potato family (Solanaceae)	-	5	5	4	3	3
▪ Land seasons free from bacterial wilt	-	7	7	7	3	3
▪ Isolation distance (m)	-	10	10	10	5	5
▪ No. of inspections (min.)	1	3	3	3	3	3
▪ Off- type (number in 100 plants)	-	1	1	1	1	1
Diseases (%):						
▪ Bacterial wilt	0	0	0	0	0	0
▪ Bacterial wilt-Lab testing (Max %)	0	0	0	0	-	-
▪ Ring rot	0	0	0	0	0	0
▪ Blackleg	0	0	0.5	1	1.5	2
▪ Potato tuber spindle	0	0	0	0	0	0
▪ Potato cyst nematodes	0	0	0	0	0	0
▪ Mycoplasma (max.) plants	0	0	1:1000	1:1000	2:1000	3:1000
▪ Potato leaf roll virus (max.) plants	0	0	0	1:1000	2:1000	3:1000
▪ Spindle mottle virus (max.) plants	0	0	0	5:1000	13:1000	14:1000
▪ Other virus symptoms (max.) plants	0	1:1000	2:1000	8:1000	20:1000	60:1000
▪ Fusarium wilt (max.) plants	0	0	0	1:1000	2:1000	3:1000

▪ Verticilium wilt (max.) plants	0	0	0	1:1000	2:1000	3:1000
Postharvest seed standards on tubers:						
Pure seed % (min.)	-	100	99	99	99	99
Diseases:						
▪ Soft rot % by wt (max.) in 25kg	-	0	0	0	0.1	0.1
▪ Dry rot (Fusarium wilt) % by wt (max.) in 25kg	-	0	0.5	0.5	1	1
▪ Common scab % by wt (max.) in 25kg:	-	0	5	5	5	5
- Individual tuber surface cover %	-	0	5	5	5	5
▪ Black scurf (Rhizoctonia) % by wt (max.) in 25kg:	-					
- Individual tuber surface cover %	-	0	10	10	10	10
Severe tuber moth damage % by wt (max.) in 25kg bag	-	0	2	2	3	4
External defects % by wt (max.) in 25kg bag	-	0	1	1	1	1
(shriveled,misshaped,excessively dehydrated)	-	0				
Tuber size requirement (25kg)	-					
▪ 28 – 35 mm	-	-	5	5	5	5
▪ 36 -45 mm	-	-	15	15	10	10
▪ 46 – 60 mm	-	-	5	5	10	10

TABLE 17

Applicable to:

Sweetpotato – *Ipomea batatas*

Factor	*Class*			
	Pre- basic	*Basic*	*Certified 1*	*Certified2*
Land history:				
Field rotation/ Tissue culture number of cycles	-	6 seasons	4 seasons	4 seasons
Isolation distance (m)	-	50	20	20
Maximum permitted ratoons	3	2	1	1
Off- type (number in 100 plants)	0	0	1	1
Number of inspections (minimum per season)	1	2	2	2
Diseases (%):				
SPVD, SPCSV, SPFMV, SPMMV, SPLCV (Laboratory testing) (Maximum %)	1	-	-	-
Virus symptoms:				
Mosaic and stunting (%)	-	0	2	3
Leaf curl (%)	-	0	2	5
Other (purpling, chlorosis and vein clearing) (%)	-	0	2	5
Alternaria blight (%)	-	-	2	5
Black rot (Maximum %)	0	0	0.5	0.5
Wilt (bacterial) (Maximum %)	0	0	0.5	0.5
Scurf (Maximum %)	0	0	0.1	0.5
SSR-Pox (Maximum %)	-	0	10	10
Insects:				
Sweetpotato weevil (*Cylas puncticollis*) (Maximum %)	-	5	5	5
Wire worm (Maximum %)	-	5	10	10
Root knot nematodes (Maximum %)	-	1	2	2
Mites/Thrips (Maximum %)	5	5	5	5
Caterpillars (Maximum %)	5	10	10	10
Aphids and whiteflies (Maximum %)	0	5	5	5
Sweet potato butterfly (Maximum %)	-	2	5	5
Postharvest seed standards:				
Harvesting age – new crop	6 weeks	Max 3 mths	Max 3 mths	Max 3 mths
Harvesting age – ratoon crop	-	Max 2 mths	10 weeks	10 weeks
Minimum length of cutting	15 cm	20 cm	25 cm	25 cm
Minimum number of nodes/cutting	2	2	3	3"

Amendment of the Fifth Schedule

15. The Fifth Schedule to principal Regulations are amended as follows-

(a) in Form SR I by-

(i) deleting the words "MINISTRY OF AGRICULTURE, FOOD SECURITY AND COOPERATIVES" appearing in the Title and substituting for them the words "MINISTRY OF AGRICULTURE, LIVESTOCK AND FISHERIES" ;

(ii) deleting the address:

"To: Director for Crop Development,
Ministry of Agriculture, Food Security and Cooperatives
P.O. Box 9192,
DAR ES SALAAM." and substituting for it the following-

"To: Tanzania Official Seed Certification Institute."

(iii) adding immediately after item (vi) appearing in the eighth line the following new item "(vii) Seed Testing Laboratory." □ ;

(iv) adding immediately after "PART E" the following new PART-

"PART F: TO BE FILLED BY APPLICANTS WHO WISH TO OPERATE SEED TESTING LABORATORY"

1. Do you have adequate equipments/apparatus for testing Seed? Yes /No

If " YES" provide the list and capacity of each equipment/apparatus :.....
.....

2. Are equipment/apparatus own or hired?.....
.....

3. Do you have adequate and knowledgeable personnel who are conversant with Seeds testing if "YES", provide number and qualification of the said personnel
.....

(b) in Form SR II by deleting the words "Director of Crop Development" appearing at the end of that Form and substituting for them the words "the Chief Seeds Certification Officer";

(c) in Forms SR IIIA, SR IIIB, SR IV, SR V, SR VI, SR VII, SR VIIIA, SR VIIIB, SR IX, by deleting the words "MINISTRY OF AGRICULTURE, FOOD SECURITY AND COOPERATIVES" appearing in the Title and substituting for them the words "MINISTRY OF AGRICULTURE, LIVESTOCK AND FISHERIES" ;

(d) in Form SR X, by-

(i) deleting the words "MINISTRY OF AGRICULTURE, FOOD SECURITY AND COOPERATIVES" appearing in the Title and substituting for them the words "MINISTRY OF AGRICULTURE, LIVESTOCK AND FISHERIES"; and

(ii) deleting the words "Cc: Chief Seed Certification Officer" appearing at the end of that Form;

(e) in Form SR XI, by deleting the words "MINISTRY OF AGRICULTURE, FOOD SECURITY AND COOPERATIVES" appearing in the Title and substituting for them the words "MINISTRY OF AGRICULTURE, LIVESTOCK AND FISHERIES";

(f) in Form SR XII, by-

(i) deleting the words "MINISTRY OF AGRICULTURE, FOOD SECURITY AND COOPERATIVES" appearing in the Title and substituting for them the words "MINISTRY OF

AGRICULTURE, LIVESTOCK AND FISHERIES";

(ii) deleting the address:
"To: Director for Crop Development,
Ministry of Agriculture, Food Security and Cooperatives,
P.O. Box 9192,
DAR ES SALAAM." and substituting for it the following-
"To: Tanzania Official Seed Certification Institute."

(iii) deleting the word "Director" appearing at the end of that Form and substituting for it the words "Chief Seed Certification Officer";

(g) in Form SR XIII, by-

(i) deleting the words "MINISTRY OF AGRICULTURE, FOOD SECURITY AND COOPERATIVES" appearing in the Title and substituting for them the words "MINISTRY OF AGRICULTURE, LIVESTOCK AND FISHERIES";

(ii) deleting the word "Director" appearing at the end of that Form and substituting for it the words "Chief Seed Certification Officer";

(iii) deleting the words "Cc: Chief See Certification Officer";

(h) in Form SR XIV by-

(i) deleting the words "MINISTRY OF AGRICULTURE, FOOD SECURITY AND COOPERATIVES" appearing in the Title and substituting for them the words "MINISTRY OF AGRICULTURE, LIVESTOCK AND FISHERIES";

(ii) deleting the address:
"To: Director for Crop Development,

Ministry of Agriculture, Food Security and Cooperatives,
P.O. Box 9192,
DAR ES SALAAM." and substituting for it the following-

"To: Tanzania Official Seed Certification Institute."

(iii) deleting the word "Director" appearing at the end of that Form and substituting for it the words "Chief Seed Certification Officer";

(i) in Form SR XV by-

(i) deleting the words "MINISTRY OF AGRICULTURE, FOOD SECURITY AND COOPERATIVES" appearing in the Title and substituting for them the words "MINISTRY OF AGRICULTURE, LIVESTOCK AND FISHERIES";

(ii) deleting the words "Cc: Chief Seed Certification Officer";

(iii) deleting the word "Director" appearing at the end of that Form and substituting for it the words "Chief Seed Certification Officer";

(j) in Form SR XVI by deleting the words "MINISTRY OF AGRICULTURE, FOOD SECURITY AND COOPERATIVES" appearing in the Title and substituting for them the words "MINISTRY OF AGRICULTURE, LIVESTOCK AND FISHERIES";

(k) in Form SR XVII by deleting the words "MINISTRY OF AGRICULTURE, FOOD SECURITY AND COOPERATIVES" appearing in the Title and substituting for them the words "MINISTRY OF AGRICULTURE, LIVESTOCK AND FISHERIES";

(l) in Form SR XVIII by deleting the words "MINISTRY OF AGRICULTURE, FOOD SECURITY AND COOPERATIVES" appearing in

the Title and substituting for them the words "MINISTRY OF AGRICULTURE, LIVESTOCK AND FISHERIES";

(m) in Form SR XIX by-

(i) deleting the words "MINISTRY OF AGRICULTURE AND FOOD SECURITY" appearing in the Title and substituting for them the words "MINISTRY OF AGRICULTURE, LIVESTOCK AND FISHERIES";

(ii) deleting the words "Cc: Chief See Certification Office";

Repeal and replacement of the Sixth Schedule

16. The principal Regulations are amended by repealing the Sixth Schedule and replace it with for it the following-

SIXTH SCHEDULE

FEES FOR SERVICES

(Made under Regulation 40 (1))

1. Charges based on the services rendered for each operation

S/N	Categories for services rendered by TOSCI	TSHS	USD
	A: Seed Field Inspection		
1	Field crops		
	0 - 10 ha	100,000	50
	11 - 100 ha	300,000	140
	Above 100 ha	400,000	190
2	Vegetables and pastures		
	0-1 ha	100,000	50
	Each additional ha	50,000	25
	B: Seed Inspection and Sampling (per seed lot)		
1	Field crops	100,000	50
2	Vegetables and pastures	50,000	25
3	Root and tuber crops	100,000	50
	C: Seed Testing for germination, purity and moisture content (per seed sample representing a seed lot)		
1	Field crops	400,000	190
2	Vegetables and pastures	100,000	50
	D: Seed Health Testing (per sample)		

		852,750	400
1	Root and tuber crops	75,000	35
2	Other crops		
	E: Certificates and Tags	100,000	50
1	Registration of seed Dealer	50,000	25
2	Variety Registration Certificate	5,000	2
3	Certificate of Seed Testing	20,000	10
4	Certificate of Seed Import or Export	200	0.1
5	Labels	500	0.25
6	Seals	5,000	2
7	DUS test certificate		
	F. Non-refundable fees for various application forms		
1	Registration as a seed Dealer	2500	1
2	DUS test	2500	1
3	NPT	2500	1
4	Seed field inspection	3500	1.5
5	Seed testing (per seed lot)	2000	1
6	Seed transport order	2500	1
7	Notice to import/export Seed	2500	1
	G: Other Charges (full test)		
1	Conducting DUS test	1,200,000	560
2	Conducting NPT	1,400,000	650
3	Authorization or licensing of seed sampler and analyst	100,000	50
	H: Re-testing fees (per seed sample representing a seed lot)		
a	**Germination**		
i	Field crops	100,000	50
ii	Vegetables and pastures	50,000	25
b	**Moisture content**		
i	Field crops	50,000	25
ii	Vegetables and pastures	20,000	10
c	**Seed health**		
i	Root and tubers	852,750	400
ii	Other crops	75,000	35
iii	Vegetables and pastures	100,000	50
	Certified copy of a certificate	2500	1"

Dar es Salaam,
23rd December, 2016

CHARLES JOHN TIZEBA
Minister for Agriculture , Livestock and Fisheries