

STATUTORY INSTRUMENTS
2010 No.....

THE SEEDS AND PLANT REGULATIONS 2010

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THE SEEDS AND PLANT REGULATIONS 2010

(Under Section 28 of the Seeds and Plant Act, Act No. 3 of 2006)

IN EXERCISE of the powers conferred upon the Minister responsible for Agriculture, by section 28 of the Seeds and Plant Act 2006, and on recommendation of the National Seed Board, these Regulations are made this..... day of.....2010

PART 1 – PRELIMINARY A

1. Title

These Regulations may be cited as the Seeds and Plant Regulations.

2. Objectives of these Regulations

The objective of these Regulations are to promote, regulate and control plant breeding, variety release, multiplication, conditioning, marketing, importing and quality assurance of seeds and other planting materials and for other related matters.

3. Interpretation

In these Regulations, unless the context otherwise requires:-

“ **Act**” means the Seeds and Plant Act No. 3 of 2006

“**Accreditation body**” means the sole national accreditation body recognized by government to assess, against National standards, other organizations that provide seed certification services such as seed testing, field crop inspection, seed sampling, seed sealing. For purpose of these Regulations, such a body is National Seed Certification Services.

“**Accreditation**” means third party attestation related to a conformity assessment body conveying formal demonstration of its competence to carry out specific conformity assessment tasks.

“**Basic seed**” means seed produced from breeder’s seed or from pre-basic seed, under the supervision of the plant breeder or his/her agent, under joint evaluation by National Seed Certification Services. For this purpose, Basic seed is also

Foundation seed.

“Board” means the National Seed Board.

“Breeder’s seed” means seed of a particular variety produced by the Breeder (owner) of the variety or his/her agent, under the plant breeder’s supervision, which is the source of the initial and recurrent increase in seed production of the variety.

“C1” means the first generation of certified seed.

“C2” means the second generation of certified seed.

“Certified seed dealer/Certified seed merchant” means any person or institution certified to produce and sell certified seed.

“Certified seed” means a class of seed produced under a certification program from basic seed or seed of higher classes. Certified seed can be of two generations (C1, C2).

“Compulsory certification” means mandatory certification for those varieties that have been tested in National performance trials, officially released and entered into the National list of varieties or the common catalogue as indicated in the Second Schedule of these regulations.

“Currency point” has the value assigned to it in these Regulations.

“Distinctness, Uniformity and Stability tests” mean evaluations to determine whether a new plant variety is different from any known plant variety in respect of some trait(s); uniform in morphological, physiological or other accepted traits; and stable in its description after repeated reproduction or propagation.

“Farm stock approval” means a final inspection in which moisture content; varietal purity, disease, insect damage and yield of a seed crop are assessed and approved before delivery to the factory for processing.

“Field inspection” means an examination of a seed crop, including checking for isolation, hectarage of the seed field, off types, foreign varieties and diseased plants as part of the seed certification program.

“Genetic value” means the inherent genetic value incorporated into the variety by the breeder.

“Germinated seeds” mean seed lots in respect of which in the course of a germination test have produced seedlings with normal growth characteristics of the shoot and root systems.

“Imported seed” means a quantity of prescribed seed authorized by the Minister to be imported into the country for

commercial or experimental purposes.

“Inter-Agency seed certification” means a seed certification process that involves more than one certifying agency.

“Isolation” means the required distance or time between two crops of the same species or between two crops of too closely related species to prevent contamination either mechanically or by pollination.

“ISTA” means International Seed Testing Association, an association for ensuring uniformity in seed testing in the laboratory.

“Label” means Tag/Identification Tag affixed on container to identify the seed

“Labeling” means the process of affixing a tag or identification marks so as to ensure correct identification of any container of seed..

“Minister” means the Minister responsible for Agriculture.

“Ministry” means the Ministry responsible for Agriculture.

“National Seed Certification Service” means the technical body responsible for seed certification and quality assurance.

“National Seed Testing Laboratory” means an official seed testing laboratory, which is designated to carry out official seed tests and to issue seed test results in respect of national and international seed trade

“National Variety List” means an official list of seed varieties released by the National variety Release Committee, and are eligible for seed production.

“Off type” means a plant of the same species which does not exhibit the characteristics of the variety being grown for certification.

“Official seed analyst” means an officer designated to test seed samples by the Minister under the provisions of these Regulations.

“Official seed sample” means a seed sample taken by an official seed sampler in accordance with these Regulations.

“Official seed sampler” means an officer designated to carry out seed sampling by the Minister under the provisions of these Regulations.

“Organization for Economic Cooperation and Development” means a group of countries whose objective is to promote international seed trade by standardizing the regulations for the field varietal certification of seed.

“Parental material” means the propagating material from which breeder’s seed is produced.

“Post control testing” means the growing of plants from seed lots which have been certified to further determine and confirm varietal purity and freedom from disease infection and

verify the effectiveness of a certification program.

“Private sample” means any sample submitted to the official seed testing laboratory other than the official sample.

“Private seed analyst” means a seed analyst not designated by the Minister to test seed samples under the provisions of these Regulations.

“Private seed sampler” means an officer not designated to carry out seed sampling by the Minister under the provisions of these Regulations.

“Pure germinating seed” means the proportion of pure seed in a seed lot capable of germinating into normal seedlings under optimum germination conditions.

“Purity” means the percentage by weight of pure seeds in a given sample as determined by a purity analysis in the official seed testing laboratory.

“Record” means any record required to be kept under these Regulations.

“Registered seed grower” means a person or institution officially recognized by the Ministry to grow seed crops.

“Sealing” means the stage in processing whereby a seed container is sealed by NSCS to prevent any tampering.

“Seed conditioner” means a person engaged in the business of cleaning, treating or otherwise conditioning seeds intended for sale and is registered to do so by the Ministry.

“Seed dealer” means a person who trades in seed and is registered to do so by the Ministry.

“Seed dressing” means a stage of seed processing where application of chemical substances on the surface of seed is done for the purpose of controlling pests and diseases.

“Seed health” means the degree of freedom from seed -borne diseases and pests.

“Seed importer” means a person authorized to import seed.

“Seed industry” means the entire linked activities that start with breeding and crop improvement through; multiplication, processing, certification and ends with seed distribution and marketing.

“Seed inspector” means a person authorized by the Minister to inspect seeds.

“Seed lot” means a specified quantity of seed which measures to a maximum weight prescribed by ISTA, and which is represented by one sample in laboratory seed testing or in control plots, and which is homogenous and physically identifiable by a unique reference number.

“Seed merchant” means a person or organization engaged in the business of seed production, conditioning and marketing and is registered to do so by the Ministry.

“Seed processing” means all those treatments that the seed is subjected to other than laboratory seed testing, between harvesting and sale.

“Seed production” means all the operations leading up to and including final harvesting of the seed from the seed crop field.

“Seed quality” means the sum of all factors such as varietal purity, seed health, germination, moisture content and vigor which affect the performance of the seed crop.

“Seed storage” means a stage in seed conditioning in which seed is maintained under conditions that minimize deterioration.

“Seed testing” means the laboratory examination of a sample of seed to determine its quality.

“Seed” means that part of the crop which is used for propagation either as a seed in botanical sense which is developed from a fertilized ovule or a seedling; or some other parts such as a corm, cutting, bulb, root scion, tuber or stem, which is not a seed in a botanical sense, and which is used for vegetative propagation.

“Standard Seed” means any seed which is not grown under a certification program but which may be allowed by the Seed Board to enter the market in case of shortage of certified seed and meets the same laboratory seed testing standards as certified seed.

“Technical grounds” means grounds for appeal in cases of rejection in seed production where an inspector does not consider all the factors of the seed crop prior to rejecting the crop.

“Test report” means a seed testing laboratory report made after testing a sample of seed submitted officially or privately.

“Tested seed” means an official seed lot in respect of which there are valid laboratory test certificates.

“The Common Catalogue” means the list of varieties that have been tested in more than one country and are eligible to be grown in those countries.

“The seed crop” means a crop that is grown for the specific purpose of producing certified seed.

“Variety means” a population of plants which have common ancestors and have certain characteristics and when reproduced sexually or asexually retain their distinguishing characteristics.

“Variety registration” means the process of entering a variety on the National Variety List.

“Variety release” means making available to the public a variety for seed multiplication and use.

“Variety testing” means the scientific evaluation of the variety through field and/or laboratory analysis for assessment

of its genetic characteristics for agricultural use

“Voluntary certification” means certification requested by a seed producer for any of the species in the Second Schedule of these Regulations.

“Weed” means any plant or type of species different from a crop species growing in or near a registered seed crop so as to constitute a threat to the registered seed crop or the seed produced from it.

PART 11 – Variety Testing, Release and Registration

4. (1) Any person who intends to have a variety tested in national performance trials and distinctness, uniformity and stability (DUS) shall apply to the Board by filling Form SR 1, specified in the Third Schedule.

(2) The application referred to in sub regulation (1) shall be accompanied by the required seed samples and prescribed fees to cover the costs of conducting the trials.

(3) The applicant must, in applying for variety testing, show evidence of high performance of the variety in yield trials and on farm trials.

(4) The fees for testing a variety is specified in the Fourth Schedule.

Testing duration

5. (1) Any variety which is intended to be released for seed multiplication shall be tested for two main growing seasons before release.

(2) Testing of varieties shall be conducted to determine:-

- (a) Value for cultivation and use; and
- (b) distinctness, uniformity and stability (DUS)

(3) The evaluation of varieties for distinctness, uniformity and stability and national variety performance trials shall be conducted in the recommended agro-ecological zones for one and two seasons respectively by National Seed Certification Services (NSCS).

(4) The National Seed Certification Services shall independently carry out national variety performance trials in accordance with the established standards and protocols related to variety performance trials.

(5) Variety testing may be delayed by an extra season or year if the samples are not delivered in time for the planting season.

Preparation of technical data

6. (1) The breeder and DUS officer shall generate, analyze and compile DUS and NVPT test data into a technical report.

(2) The technical report shall be submitted and presented to the National Variety Release Committee for consideration during variety release.

Variety Release

7. (1) Any person who intends to have a variety released shall apply to the National Variety Release Committee by filling Form SR2, specified in the Third Schedule.

(2) An application for variety release shall be accompanied by the registration fee specified in the Fourth Schedule

(3) The National Variety Release Committee shall base its decision to release the variety on the recommendation of the technical data provided by the breeder and the DUS officer.

(4) The decision of the National Variety Release Committee on the report shall be communicated to the institution or individual responsible for that candidate variety.

Variety Registration

8. (1) Any variety that has superior agricultural value, as determined by the National Variety Release Committee, shall be released and registered in the National Variety List and Common Catalogue.

(2) The National Variety Release Committee shall upon release of the new variety notify the applicant in Form SR3, specified in the Third Schedule.

Publication in the Gazette

9. (1) The national variety list shall be published in the official gazette on approval by the Board.

(2) Any new variety published in the gazette is eligible for seed multiplication and marketing as stipulated in the release

conditions.

PART 111 - Registration of Seed Merchants

Application for registration of seed merchants

10. (1) A person who intends to produce seed in Uganda shall apply for registration to the Board.

(2) The application referred to in sub regulation (1) shall be in Form SR 4 specified in Third Schedule.

(3) The Board shall approve for registration, an applicant who meets the following conditions:-

(a) seventy-five per cent of their business is either in seed processing, production or marketing;

(b) he has adequate trained and competent personnel knowledgeable in seed related matters;

(c) he has established an extensive and comprehensive seed distribution channel of registered agents, subagents and stockists;

(d) he has installed all equipment necessary for seed processing and storage.

Issuance of certificate of registration

11. (1) The Board shall, on registration of a seed merchant cause to be issued to him a certificate of registration in Form SR 5, specified in the Third Schedule.

(2) The certificate issued under sub-regulation (1) shall specify such conditions as may be necessary with respect to the production, processing or marketing of the seed.

Duration and renewal of certificate of registration

12. (1) A certificate of registration issued under regulation 11 (1), unless earlier suspended or cancelled, is valid for a period of one year from the date of issue and may be renewed for a further period not exceeding one year upon payment by the holder of a renewal fee.

(2) The fee for renewal of a certificate of registration is specified in the Fourth Schedule.

Register

13. (1) An applicant who is registered and has been issued with a certificate of registration under regulation 11 shall be entered into the register of seed merchants and assigned a registration number.

(2) The register of Seed Merchants shall be kept by the Secretary to the Board.

Responsibility of the seed merchant

14. (1) A registered seed merchant shall—

(a) record such particulars of each seed lot tested and certified seed produced, purchased, sold or otherwise dealt with by him as may from time to time be prescribed;

(b) keep such records in safe custody for a period of three years from the date of the transaction to which the records relate;

(c) produce such records to any inspector for inspection whenever required during normal working hours;

(d) be obliged to call an inspector to re-sample seed lots whose validity of certification has expired for further re-testing, re-labeling and re-sealing.

PART IV – SEED PRODUCTION

Seed Classes

15. (1) There is established by the Board, for the purposes of seed production and marketing five seed classes as follows:-

- a) breeder seed;
- b) basic seed;
- c) certified seed first generation;
- d) certified seed second generation; and
- e) standard seed.

(2) Each seed class shall be identified by a unique color of the seed label, as specified in the Fifth Schedule.

Application for Consideration as Seed Grower

16. (1) Any person who intends to be considered as a seed grower shall apply to the Board in Form SR 6, specified in the Third schedule.

(2) An application for consideration as a seed grower shall be accompanied by the fee prescribed in the Fourth Schedule.

(3) The Board shall not approve any application for consideration as a seed grower if the application relates to land in which during the preceding season, other cultivars of the crop or closely related crops have been grown.

Registration of Seed Growers

17. (1) An applicant shall on being successful under regulation 16 (1) and upon payment of the fee prescribed in the Fourth Schedule be registered as a seed grower.

(2) The Secretary shall on registration of the applicant issue the applicant with a certificate of registration in Form SR 7, specified in the Third Schedule.

(3) The owner of the registered seed crop shall be the registered seed merchant but with respect only to the seed of the registered crop.

(3) The Secretary shall keep a record of all registered seed growers.

Seed Crop Production

18. (1) A registered seed grower shall plant the appropriate parent seed for seed production and shall keep a record of such parentage including certificates, labels and invoices as the Secretary may direct.

(2) A registered seed crop shall not exceed the approved hectareage by more than ten per cent of the total area.

(3) The Board shall permit only one or two cultivars of the same species on any farm except where the Board directs otherwise.

PART V – FIELD CROP INSPECTION

Application for field inspection

19. (1) A seed grower or merchant shall, two weeks after planting a seed crop apply for inspection of the seed crop by completing Form SR 8, specified in the Third Schedule.

(2) The application shall be accompanied by the fee prescribed in the Fourth Schedule.

(3) Upon receipt of the application, the Secretary shall issue a certificate of registration of seed crop inspection and notify the seed grower in Form SR 9, specified in the Third Schedule.

Field inspection

20. (1) A field inspection shall be conducted by official seed inspectors for the purposes of certification.

(2) Inspection shall be confined to registered seed growers' fields and the fields of advanced breeder's lines which have potential for the release as cultivars.

(3) A seed inspector shall have the power of entry into any field registered for field inspection.

(4) A seed inspector conducting a field inspection shall not certify any crop if he is satisfied that it does not meet the standards specified in the Sixth Schedule.

(5) The seed inspector shall carry out field inspection in such a manner that the portion of the crop being inspected is being regarded as representative of the whole crop.

(6) Seed crop inspection shall be carried out in accordance with the standards specified in the Sixth Schedule.

Inspection report

21. (1) A seed crop inspector shall issue the results of each routine field inspection in Form SR 10 A specified in the Third Schedule.

(2) The seed crop inspector shall issue a final inspection report upon completion of the final field inspection in Form SR 10 B specified in the Third Schedule.

Farm stock approval

22. (1) The registered seed grower shall keep the harvest from an approved registered field separate while in his possession.

(2) The bags, bins, or bulk storage unit shall be clearly labeled for identification and traceability purposes.

(3) One or more inspections of the seed harvested from the approved fields shall be carried out for the following-

- a) to check the storage condition;
- b) to check on the identity of the harvested crop;
- c) to estimate yield; and
- d) to determine the moisture content.

(4) An official seed sampler shall conduct farm stock approval by taking representative samples of the harvested seed crop for laboratory test.

(5) The results from the laboratory test shall form the basis for approval or rejection by the National Seed Certification Services and those results shall be issued in form SR 11 specified in the Third Schedule.

Refusal to approve seed crop

23. (1) The seed inspector shall not approve a seed crop if-

- a) the species or varietal purity of the crop is sub-standard or obscure, or
- b) the seed crop does not conform to the required standards for the species and variety concerned,
- c) any field exceeds the actual stated acreage by a percentage more than ten when physically measured.

Transportation

24. (1) The seed inspector shall, on completion of harvesting by the seed grower supervise the transportation of seed for processing, by issuing a seed transport order, in Form SR 12 specified in the Third Schedule.

(2) The seed containers used for transportation shall be clearly marked with indelible ink to avoid any contamination.

PART VI – SEED PROCESSING AND CONDITIONING

Seed Processing

25. (1) Only registered seed merchants shall process seed.
- (2) A registered seed merchant shall be allowed to have for processing only seed from fields that have been approved, or seed permitted to be imported into Uganda in bulk.
- (3) A registered seed merchant shall notify the Secretary before processing any seed lots; and upon such notification, the Secretary or a person authorized by him shall issue a work order to the seed merchant, in Form 13 specified in the Third Schedule.
- (4) The Secretary or a person authorized by him may enter and inspect the premises of any seed merchant processing seed.
- (5) The seed inspector shall during processing of seed perform machine inspection and lot examination, and order reprocessing where he considers that processing is ineffective.
- (6) The seed merchant shall ensure that processed seed is clearly marked and stored separately in identifiable lots.
- (7) A seed merchant shall pay the lot examination fees specified in the Fourth Schedule.

Seed conditioning

26. (1) A registered seed conditioner shall abide by the rules and seed standards specified under these Regulations for the type of seed they are conditioning.
- (2) A registered seed conditioner shall not process any seed lot for which no farm stock approval has been granted by the National Seed Certification Service.
- (3) A registered seed conditioner shall be responsible for the maintenance of the identity and quality of the seed lot.
- (4) Seed that has been conditioned shall be put into lots; the quantity of the seed lots shall be determined by the National Seed Certification Service in accordance with the ISTA standards.

(5) A registered seed conditioner shall pack conditioned seed and shall ensure that containers are-

- (a) put into lots and stored separately; and
- (b) protected against rodents, insects, moisture and any other factors that may be harmful to seed viability.

(6) The registered seed conditioner shall keep and maintain records of the following activities carried out by him in relation to seed lots conditioned in his premises-

- (a) seed intake (quantity);
- (b) seed drying (% moisture);
- © seed cleaning (% screenings);
- (d) seed grading;
- (e) seed treatment (chemicals used);
- (f) seed packaging (type and numbers); and
- (g) seed storage.

(7) The seed conditioner shall produce the records referred to in sub regulation (6) on demand by the official seed inspectors.

(8) The seed standards referred to in sub regulation (1) are specified in the Sixth Schedule.

PART VII – SEED SAMPLING

Seed sampling

27. (1) Only seed from a registered seed crop that has been conditioned, in accordance with these Regulations shall be sampled for laboratory tests and post control testing verification plots.

(2) All processed seed lots shall be sampled by a seed inspector, or seed sampler designated by the Minister, upon payment by the seed merchant or seed grower of the fee prescribed in the Fourth Schedule.

(3) Seed lots shall be created at the time of sampling and shall not exceed the maximum weights prescribed by the ISTA standards.

(4) Crops from different fields of the same origin, species and cultivar which have passed field inspection may be blended and bulked to constitute one seed lot.

(5) The seed merchant shall arrange the packages in such a manner as to enable the seed inspector reach all packages and draw samples.

(6) Seed sampling shall follow the methods and procedures prescribed in ISTA standards.

(7) All the samples shall bear a unique seed lot reference number for traceability purposes.

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

(9) The fee for sampling seed lots is prescribed in the Fourth Schedule.

Dispatch of samples

28. (1) Seed samples that have been obtained by an official seed inspector shall be subdivided into three component parts, loaded onto containers and sealed by the seed sampler.

(2) Each seed sample shall be accompanied by the information contained in Form SR 14 A, specified in the Third Schedule.

(3) The sealed seed samples shall then be sent to the official seed testing laboratory for-

- (a) laboratory analysis;
- (b) post control planting; and
- © holding as a reserve sample.

(4) Private seed samples shall be delivered to the seed testing laboratory by the owner, and shall be accompanied by information contained in Form 14B specified in the Third Schedule.

PART VIII - SEED TESTING

Seed Testing procedures

29. (1) Seed testing for the purpose of certification shall be carried out in an official seed testing laboratory by official seed analysts in accordance with section 13 of the Act.

(2) Two categories of seed samples shall be tested in the laboratory-

(a) official seed samples, drawn and submitted by an official seed sampler or seed inspector, and

(b) private seed samples, submitted by either farmers or private individuals to the national seed testing laboratory for own use, and not for commercial purposes.

(3) Seed testing shall be conducted in accordance with the prescribed ISTA rules.

Test Report

30. (1) The official seed analyst shall :-

(a) test seeds in accordance with the procedures for seed testing, as prescribed by ISTA standards.

(b) record the results of the seed test on a certificate in SR 15A in the case of official seed samples, or Form SR 15B in the case of private seed samples, as specified in the Third Schedule;

(c) state whether the tested seeds have met the minimum standards of germination capacity, purity and health as set out in the Sixth Schedule and whether they are marketable;

(d) furnish the results of the seed testing to the seed merchant in a test certificate or to the private individual as a test report;

(e) furnish a special report where the lot has been tested for unique seed health.

(2) All test reports of private seed samples shall be stamped with the following words "Not for Sale"- own use only".

Sample Storage

31. (1) Seed samples shall be retained and stored in the official seed testing laboratory, under optimum storage conditions, for at least twelve months from the date the test result certificate is issued.

Appeal on seed testing results

32. (1) Any person aggrieved by the results of the official seed test may appeal to the Commissioner for crop protection who may order a retest on the original sample submitted.

- (2) If the results of the second test are-
- (a) within tolerance, the aggrieved person shall be required to pay the fee prescribed for retesting ; or
 - (b) out of tolerance, the official laboratory will issue a certificate bearing the new result.
- (3) The results obtained from the national seed testing laboratory together with the field inspection report shall enable the commissioner to grant or not to grant certification of the seed lot.
- (4) Where the aggrieved person is not satisfied with the repeat test, he shall appeal to the Board.

PART IX – SEED LABELING AND SEALING PROCEDURES

Seed labeling and sealing procedures

- 33.** (1) Seed certification shall include labeling and sealing and shall be subject to the payment of the fee specified in the Fourth Schedule.
- (2) Seed lots shall not be labeled or sealed before the release of the official laboratory test result certificate.
- (3) Certified seed lots which have met the minimum standards specified in the Sixth Schedule shall be packed in bags or containers and securely closed.
- (4) All containers of seed shall be labeled with a certification label whose serial number shall be entered into the work order used in processing seed.
- (5) The seed certification label in sub regulation 4 shall specify the-
- (a) Crop;
 - (b) Variety;
 - (c) seed class;
 - (d) seed lot number;
 - (e) net weight of seed in the package or container;
 - (f) warning of poisonous seed dressing;
 - (g) name and address of certifying agency; and
 - (h) date of testing.
- (5) Seed certification labels shall be attached to the seed containers under the supervision of an official seed inspector.

(6) The seed conditioner shall stamp on the seed packets the following words

“plant by date”.

(7) Where certified seed lots have been returned for repackaging, the repackaging shall be done only with the approval of the Secretary and under the supervision of an official seed inspector.

(8) A person, other than the ultimate user, shall not remove labels, seals or open mechanically sewn or closed packets of seed.

(9) Labeling and sealing shall not be conducted for seed packets of less than five kilograms in weight provided-

(a) that the seed is drawn from sealed containers;

(b) packets or containers are sealed or closed;

(c) the phrase “certified” is printed on the packet or container;

(d) the lot number, date of sampling, cultivar name and species name is printed on the packet or container; and

(e) a warning text, in cases where the seed lot is dressed is printed on the packet or containers.

Protection of seed certification labels

34. (1) Seed certification labels shall remain the property of the Government of Uganda.

(2) Seed certification labels shall only be issued to seed producers upon payment of the fee specified in the Fifth Schedule.

(3) Seed Certification labels shall be issued on inspection and certification of the seed lots by official seed inspectors.

PART X – VALIDITY OF CERTIFICATION

Validity of certification and quality declaration

35 (1) The validity of certification for cereals, pulses, oil crops and fiber crops is, unless earlier revoked by the National Seed Certification Service twelve months from the date of testing.

(2) The validity of certification for herbage grass, legumes, root crops, vegetables and stimulant crops shall be six months from the date of testing.

(3) The validity of certification, in the case of soybeans is, unless earlier revoked by the National Seed Certification Service six months from the date of testing.

(4) A declaration of quality for all other species of crops unless earlier revoked is valid for twelve months from the date of testing.

(5) The seed merchant or his agent is responsible for calling an inspector to conduct re-sampling, re-testing and re-sealing of seed lots whose validity of certification has expired.

Disposal of Sub-standard seed

36. (1) Any seed that is offered for sale, but upon laboratory seed testing and analysis, does not conform to the standards specified in the Sixth Schedule shall be disposed of in a safe environmental manner.

(2) Sub-standard seed shall be disposed of at the cost of the owner in a gazetted area and under the supervision of an official seed inspector or his representative.

PART XI – SALE OF SEEDS

Conditions for Sale of Seeds

37. (1) Seed shall not be offered for sale unless it has been officially tested in the official seed testing laboratory and certified in accordance with these Regulations and has had its quality declared under regulation 35.

(2) A seed of the species in the Second Schedule shall not be offered for sale unless it has been tested and certified.

(3) The seed merchant shall, in accordance with sub regulation 37 (1) be responsible for the quality of any seed he offers for sale.

Seed Dealers, agents, sub-agents/stockists

38. (1) A seed merchant shall appoint a seed dealer, agent, sub-

agent and stockists with knowledge, ability and appropriate facilities to maintain the quality and viability of the seed offered for sale.

(2) A seed dealer, agent, sub-agent or stockists appointed under sub- regulation (1) shall apply for registration to the Board by completing Form SR 16 specified in the Third Schedule.

(3) The Board shall, upon receipt of an application under sub-regulation (2), and on payment of the fee prescribed in the Fourth Schedule issue a seed dealer, his agent, sub-agent or stockist a certificate in Form SR 17, specified in the Third Schedule.

(4) A person shall not sell seed unless he holds a valid certificate issued under this regulation.

(5) An official seed inspector shall be allowed by the seed dealer to enter and inspect any premises where seed is stored for sale.

(6) A seed inspector or seed analyst shall, on a seasonal basis conduct sampling and re-testing of all seed stored for sale by a registered seed dealer, and shall issue an order to stop sale in respect of seed lots whose germination capacities are below the minimum standards prescribed by the National Seed Certification Service specified in the Sixth Schedule.

(7) Where an order to stop sale under sub-regulation (6) has been issued, the seed merchants shall retrieve the affected seed lots from all agents, sub-agents and stockists, and shall declare all such seed to the National Seed Certification Service for destruction, under the supervision of the seed inspector.

(8) The order to stop sale referred to in sub regulation (6) is in Form SR 18 specified in the Third Schedule.

Validity of seed dealers' certificate

39. (1) The conditions relating to the maintainance of seed to be exposed for sale shall be attached to the certificate issued under sub - regulation 38 (3).

(2) A certificate of the seed dealer, his agent, sub-agent or stockist shall be valid for twelve months from the date of issue,

and shall be renewed every year.

(3) The Board may withdraw the certificate referred to in sub - regulation (1) where the attached conditions are breached.

(4) The Board may vary the duration of validity as it may deem necessary.

Maintenance of seed dealers' register

40. (1) The Secretary shall maintain a register of all seed dealers registered under these regulations.

Declaration of seed stocks

41. (1) A seed merchant shall be required to submit to the Secretary the quantity of seed held in stock every year in May and December.

PART XII – SEED IMPORT/EXPORT

Conditions for seed import

42. (1) A person shall not import seed for commercial purposes unless-

- (a) he is a registered seed merchant or seed dealer in accordance with regulation 11 and has applied to the Secretary for an import permit;
- (b) he has submitted a notice of intention to import seed in Form SR 19 specified in the Third Schedule, and has been issued with an import permit in Form SR 20 specified in the Third Schedule.
- (c) the variety to be imported complies with the minimum standards, specified in the Sixth Schedule and the variety is included on the National Variety List or the Common Catalogue;
- (d) such seed shall be imported in a form that allows easy sampling.
- (e) seed for research/experimental purposes shall require only a phytosanitary certificate;
- (f) Seed imported into the country shall be declared upon arrival for verification.

(2) The notice under sub- regulation 42 (1) (b) shall specify the crop, variety and quantity of seed to be imported.

(3) The marketing of imported seed shall be subject to the provisions of Regulation 37.

(4) All imported seed for commercial purposes shall be accompanied by an ISTA Orange International Certificate, an Import Permit and a Phytosanitary Certificate.

Conditions for seed export

43. (1) A person shall not export seed unless;

- (a) he is a registered seed merchant or seed dealer and has applied for an export permit;
- (b) he has submitted a notice of intention to export seed in Form SR 19 specified in the Third Schedule, and has been issued with an export permit in Form SR 20 specified in the Third Schedule.
- (c) the variety to be exported complies with the minimum standards, specified in the Fourth Schedule, and the variety is included on the National Variety List or the Common Catalogue;
- (d) such seed shall be exported in a form that allows easy sampling.

(2) The notice under 43 (1) (b) shall specify the crop, variety, class and quantity of seed to be exported.

(3) All seed for export shall be accompanied by an ISTA Orange International Certificate, an export Permit and a Phytosanitary Certificate.

PART X11I – POST CONTROL TESTING

Post Control Management

44. (1) Seed lots officially sampled and tested under these Regulations shall be grown in post control plots in accordance with OECD or internationally recognized regulations relating to field seed certification scheme.

(2) The post control plots referred to in sub- regulation (1) shall be open to examination and assessment by all interested parties.

(3) An officer in charge of examination and assessment of the post control plots shall, upon completion of the examination and assessment write a report on the post control test.

(4) The report shall include-

- (a) the number of off types;
- (b) foreign varieties;
- © weeds;
- (d) diseased plants; and
- (e) other diversions and possible remedies to eradicate such diversions in subsequent seasons, including recommendation on withdraw of remnant of seed lots found in these tests to deviate grossly from the original certification results.

PART XIV – INTER-AGENCY SEED CERTIFICATION

Inter-agency seed certification

45. (1) All seeds produced and certified by more than one certifying agency for purposes of international seed trade shall undergo inter-agency seed certification.

(2) All seed partially certified in one East African Community member state, and moved to another state to complete the process of certification; including processing, labeling or sealing, shall bear an inter-agency certification label.

(3) All seeds produced under inter-agency seed certification shall meet the minimum field and laboratory standards, specified in the Sixth Schedule, and shall be accompanied by Form SR 21, specified in the Third Schedule during seed transfer.

PART XV - ACCREDITATION

Accreditation

46. (1) The Board shall be responsible for accrediting individuals, companies or institutions to carry out field inspection, laboratory seed testing, seed sampling and seed labeling.

(2) A person who intends to be accredited for any of the seed certification activities in sub-regulation (1) shall be required to meet the following requirements:-

- (i) have relevant training with a minimum diploma in agriculture or seed technology;
- (ii) have adequate skills and work experience;
- (iii) have letters of reference from reputable institutions or person; and
- (v) be conversant with the country's seed laws and regulations.

Conditions for Accreditation

47.(1) The following conditions shall be fulfilled for the Accreditation:-

(a) Laboratory Seed testing

- (i) be an established laboratory with the necessary equipment;
- (ii) have technically competent staff;
- (iii) have competence in seed testing protocols;
- (iv) possess seed testing and quality assurance manuals; and
- (v) have capacity to handle varying volumes of work.

(b) Seed Sampling

The requirements for seed sampling include the following-

- (i) staff should be familiar with sampling procedures documented in manuals;
- (ii) should have the right sampling equipment;
- (iii) should have appropriate sample packaging material;
- (iv) should have suitable sample storage facilities.

(c) Field Inspection

The staff must have the following-

- (i) competence in field inspection skills;
- (ii) inspection manuals;
- (iii) appropriate inspection kits.

(d) Seed labeling

The staff must have the following-

- (i) competence in seed labeling;
- (ii) appropriate labeling equipment in place.

Accreditation Procedures

48. (1) A person, company or institution intending to be accredited for any of the seed certification activities in regulation 46 shall apply to the Board in Form SR 22, specified in the Third Schedule.

(2) The applicant shall state in the application the scope of the accreditation services.

(3) The Board shall, on receipt of the application-

- (i) review submitted application forms;
- (ii) carry out preliminary evaluation of documents to assess the technical competence of the applicant;
- (iii) conduct an on-site evaluation of the applicant;
- (iv) produce an evaluation report on the applicant.

(4) The Board shall notify a successful applicant, by issuing a Certificate of registration in Form SR 23, specified in the Third.

(5) The Board shall carry out periodic auditing of accredited persons to assess their competence, in execution of their duties.

(6) The assessment shall be done by inspecting or testing at least 10 per centum of the fields or samples as the case may be.

(7) An accredited person, company or institution shall lose accreditation status whenever found to be incompetent during two subsequent audits, and shall be required to re-apply to the Board to seek for re-accreditation.

Register of Accredited entities

49. (1) The Secretary shall keep and maintain a register of accredited entities.

(2) The Secretary shall as soon as practicable, after the coming into force of these Regulations update the register of accredited entities taking into account matters provided for by these Regulations.

PART XVI – Offences and Penalties

50. (1) Any person who-

- (a) with intent to defraud, gives false information to a seed inspector or seed analyst;
- (b) obstructs or interferes with or fails to comply with any lawful order given by a seed inspector in execution of his powers or duties under these Regulations;
- © makes or causes to be made any statement or certificate required to be produced or displayed under these Regulations which is false in any material particular;

- (d) sells or exposes for sale any seed which does not correspond with the description in any certificate required to be produced or displayed under these Regulations ;or
- (e) contravenes any of the requirements of these Regulations commits an offence.

(2) Any person who commits an offence under these regulations is liable to a fine not exceeding ninety six currency points or to imprisonment for a term not exceeding four years or both the fine and imprisonment.

PART XVII - APPEALS

The Seeds and Plant Tribunal

51. (1) There is hereby established a Seeds and Plant Tribunal, in accordance with Section 16 of the Act.

(2) The Minister shall, in consultation with the Board, constitute the seeds and plant tribunal.

(3) The seeds and plant tribunal shall be composed of three members as follows:-

- (a) The chairman of the tribunal, who shall be an advocate
- (b) Two other members from a panel of persons consisting of-
 - (a) persons who have a wide general knowledge of agriculture and seed technology.
 - (b) persons who have specialized knowledge of particular species of plants.
- (4) The Minister may revoke the appointment of members of the tribunal on any of the following grounds-
 - (a) inability to perform the functions of his or her office arising out of physical
 - (b) misbehavior or misconduct; or
 - © incompetence.

Appeals to the Seeds and Plant Tribunal

52. (1) Any person aggrieved by the decision of a seed inspector or seed analyst may appeal within twenty four hours to the Board.

(2) Any person aggrieved by the decision of the Board may appeal to the seeds and plant tribunal, established under Regulation 51.

(3) Any person aggrieved by the decision of the tribunal may appeal to the High Court.

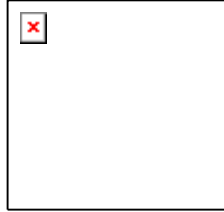
PART XVIII – MISCELLANEOUS

protection of officers from civil action

53.(1) a suit, prosecution or other legal proceedings shall lie against any officer for anything done in good faith and without negligence in the exercise or performance of his or her functions or duties under these Regulations.

(2) For the purposes of this Regulation, the term “Officer” includes any employee of the Government of Uganda.

(3) An officer shall not be exempted under this provision if the officer is negligent in execution of his or her duties.

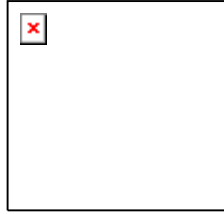


THE REPUBLIC OF UGANDA

SCHEDULES

FIRST SCHEDULE – CURRENCY POINT

One currency point is equivalent to twenty thousand shillings



THE REPUBLIC OF UGANDA

SCHEDULES

SECOND SCHEDULE

A. PRESCRIBED SEEDS UNDER COMPULSORY CERTIFICATION

CEREALS

Barley	...	...	<i>Hordeum vulgare L.</i>
Finger Millet	...	...	<i>Eleusine coracana (L)</i>
Maize	...	...	<i>Zea mays L.</i>
Pearl Millet	...	...	<i>Penisetum glaucum (L)</i>
Rice	...	...	<i>Oryza sativa L.</i>
Sorghum	...	...	<i>Sorghum bicolor (L)</i>
Wheat	...	...	<i>Triticum aestivum</i>

PULSES

Beans	...	...	<i>Phaseolus vulgaris L.</i>
Broad beans	...	...	<i>Vicia faba L.</i>
Chick peas	...	...	<i>Cicer arietinum L.</i>
Pigeon pea	...	...	<i>Cajanus cajan</i>
Cowpeas	...	...	<i>Vigna unguiculata</i>

OIL CROPS

Groundnuts	...	...	<i>Archis hypogaea L.</i>
Sunflower	...	...	<i>Helianthus anuus L.</i>
Soybean	<i>Glycine max L.</i>
Simsim	<i>Sesame indicum L.</i>

FIBRE CROPS

Cotton	<i>Gossypium spp.</i>
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ROOT AND TUBER CROPS

Irish potatoes	<i>Solanum tuberosum</i>
Cassava	<i>Mannihot esculenta</i>
Sweet Potatoes	...	...	<i>Impomea batatus</i>

BEVERAGES

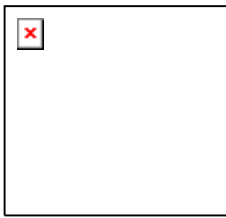
Coffee	...	...	<i>Coffea spp</i>
Tea	...	...	<i>Camelina spp</i>
Cocoa	...	...	<i>Theobroma cacao</i>

FRUITS /VEGETABLES

Pineapples	...	...	<i>Annas camosus</i>
Apples	...	...	<i>Lannea coromandelica</i>
Mangoes	...	...	<i>Mangifera indica</i>
Bananas	...	...	<i>Musa spp.</i>
Oranges	...	...	<i>Citrus spp.</i>
Avocado	...	...	<i>Persea America</i>
Pawpaw	...	...	<i>Carica papaya</i>
Passion fruit	...	...	<i>Passiflora edulis</i>

PASTURE SEEDS

Silver leaf desmodium...	...	...	<i>Desmodium uncinatum</i>
Green leaf desmodium..	...	...	<i>Desmodium intotum</i>
Siratro	...	...	<i>Macroptilium Atropurpureum</i>
Stylo	...	.....	<i>Stylothensis guianensis</i>



THE REPUBLIC OF UGANDA

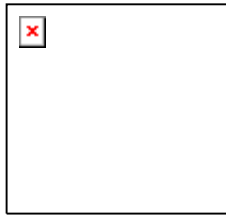
SECOND SCHEDULE

B. PRESCRIBED SEEDS UNDER VOLUNTARY CERTIFICATION

HERBAGE GRASSES

LAWN GRASSES

FLOWER SEEDS



THE REPUBLIC OF UGANDA

**THIRD SCHEDULE
FORM SR 1
APPLICATION FOR INCLUSION OF A VARIETY IN THE
NATIONAL PERFORMANCE TRIALS**

(In accordance with the Seeds and Plant Act 2006)

**TO: The Chairman
National Seed Board**

Name of Applicant.....

Name of Employer.....

Location and address.....

Qualification and experience of applicant.....

Variety/Varieties/ Experimental lines for inclusion in the NPT are

Origin

Genetic Composition: Pure line/Hybrid/Composite/Synthetic/Vegetatively propagated etc.....

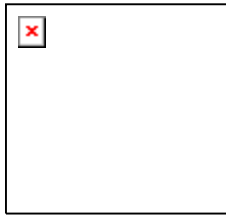
Record of previous performance.....

Additional information.....

I/We enclose a sum of Ush..... only as testing fees.

Signature.....

Date.....



THE REPUBLIC OF UGANDA

FORM SR 2

**APPLICATION FOR RELEASE AND INCLUSION OF A VARIETY
IN THE NATIONAL VARIETY LIST/ COMMON CATALOGUE**

(In accordance with the Seeds and Plant Act 2006)

**TO: The Chairman
National Seed Board**

Name of Breeder.....

Name of Employer.....

Location and address.....

**Qualification and experience of
applicant.....**

**Variety/Varieties/ are.....
.....**

Origin

**Genetic Composition: Pure line/Hybrid/Composite/Synthetic/Vegetatively
propagated *etc.....**

End use.....

**Record of previous performance tests including statistical analysis where a
local check was used and /or on farm trial results (attach evidence)
.....**

**The variety or line most closely resembles
.....variety (ies) which is/are
*currently in commercial production**

A. Similarities are

B. Differences are.....

The variety/line has these special features and characteristics

.....

.....

Proposed Name.....

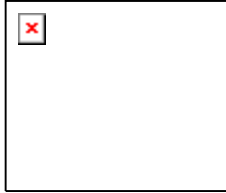
Additional information.....

I/We enclose a sum of Ush..... only as registration fees.

Signature.....

Date.....

*** Delete whichever is not applicable**



THE REPUBLIC OF UGANDA

FORM SR 3

RELEASE OF A NEW VARIETY AND INCLUSION IN THE NATIONAL VARIETY LIST/ COMMON CATALOGUE

(In accordance with the Seeds and Plant Act 2006)

TO: The Applicant

Name of Applicant.....

P.O.Box Tel.....

Name of Institution.....

P.O.Box

Has/Have developed a superior variety and has/have proposed to name it as.....

The performance of the variety is as follows:

(i) It is suitable for agronomic zones

(ii) Yields aremt/ha

(iii) Requiresmm of rainfall distributed overdays

(iv) It is resistant to

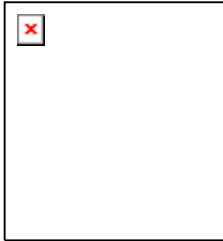
(v) Matures within days

(vi)The variety stores best under conditions

Secretary National Seed Board

Signature.....

Date.....



THE REPUBLIC OF UGANDA

FORM SR 4

APPLICATION FOR REGISTRATION AS SEED MERCHANT

(In accordance with the Seeds and Plant Act 2006)

**TO: The Secretary
National Seed Board**

Name of Applicant.....

Address.....

Location of premises.....

Years of experience..... as

I/We wish to apply for a certificate as a Seed Merchant.

I/We wish to deal in:-

1. Production of	
(i) Agricultural crops (ii) Horticultural Crops (iii) others (specify)	
2. Processing of	
(i) Agricultural crops (ii) Horticultural Crops (iii) others (specify)	
3. Marketing of	
(i) Agricultural crops (ii) Horticultural Crops (iii) others (specify)	

Merchant

- (i) **Do you have adequate and knowledgeable personnel who are conversant with seed matters? Yes/No***

Production

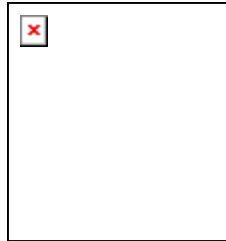
- (i) Do you have adequate land and equipment to handle basic seed? Yes/No*
- (ii) Do you have contractual agreement with the growers you have recruited? Yes/No*
- (iii) Do you have adequate field officers to supervise and advise growers on all operations of seed production? Yes/No*
- (iv)
- (v) Do you have adequate and knowledgeable personnel who are conversant with seed matters? Yes/No*
- (vi) What is your source of breeder seed?
- (vii) What is your source of basic seed?
- (viii) Do you have adequate land for production of basic seed? Yes/No*
- (ix) Do you have contractual agreement with the growers you have recruited? Yes/No*
- (x) Do you have an internal quality control programme Yes/No*

Declaration

I/We* AT ANY TIME DURING OFFICIAL WORKING HOURS EVEN WITHOUT Previous appointment will allow the inspectors entry to the seed stores and thereby provide them with the facilities necessary to carry out their inspection work as laid out in the Seed Regulations. I/We* further declare that I/We* am/are*conversant with seed regulations and shall observe the various clauses and conditions of the Regulations. In addition I/We * will send a list of all seed lots in our stores on and or at such a date as can be mutually agreed upon between the NSCS and ourselves.

Signature
Date.....

*** Delete whichever is not applicable**



THE REPUBLIC OF UGANDA

FORM SR 6

CERTIFICATE FOR CONSIDERATION AS A SEED GROWER
The Secretary
NSB

Name of Applicant in full.....

Address.....

Location of Farm.....

Years of experience as a seed grower.....

I/We wish to apply for a license to produce certified seed as indicated below:-

Crop(s)	Variety	Ha	Origin/source of seed

I/We has/have not been a seed grower in the past and I/We has/have adequate storage facilities to handle the resultant seed.

If you have been a seed grower before, what was your grower's number?.....

The field where I intend to grow the seed crop was previously under (give its cropping history for the last three seasons or years).....crops/fallow*.....

Do you have adequate isolation? Yes/No*

Do you have adequate labor to carry out all farm operations timely? Yes/No*

Are you aware that only seed that meets the minimum standards shall be accepted as certified seed? Yes/No*

Note: If this application is successful, you will be required to furnish the details of the crop in Form SR 8

Signature of applicant.....

Date.....

FOR OFFICIAL USE ONLY

Application Received on.....

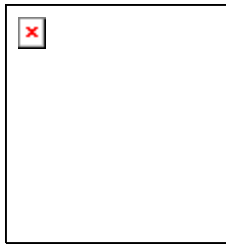
Decision: Approved/Rejected*.....

Grower's Number allocated.....

Registration Number.....

Reason for rejection.....

*(*Delete whichever is not applicable)*



THE REPUBLIC OF UGANDA

FORM SR 7

CERTIFICATE OF REGISTRATION AS A SEED GROWER

(In accordance with the Seeds and Plant Act 2006)

Name.....

Grower Number (GM).....

Postal Address.....

.....

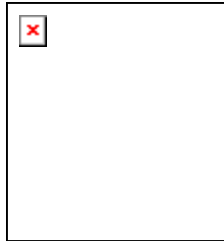
Tel No.....

Location of the Farm

Signature

**The Secretary
National Seed Board**

Date.....



THE REPUBLIC OF UGANDA

FORM SR 8

APPLICATION FOR FIELD INSPECTION OF A SEED CROP

(In accordance with the Seeds and Plant Act 2006)

**TO: The Secretary
National Seed Board**

Name of Grower.....

Postal address..... Tel No.....

Farm on which crops (every crop regardless of size) must be mentioned separately. (A crop is field where planting was completed within five days).

SPECIES	VARIETY	LOT NO. OF SEED USED	HECTARES

Seed Rate per hectare..... kg

Registered Seed merchant/Dealer to whom the entire seed stock will be sold

I/We *enclose a sum of Ush..... only in payment of inspection fees and number of labels which were attached to seed containers which contained the seed used in planting the seed crop.

Crop No.	Variety	Date planted	Approximate date of harvest	Previous cropping for 3 seasons
1				
2				
3				

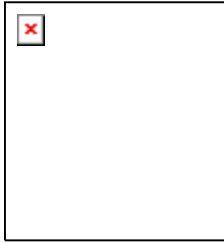
4				
5				
6				

Give a sketch map of route to your farm from the nearest main road and also the position where the seed crop is grown within your far. Use additional paper if necessary.

Signature of applicant

Date.....

*Delete whichever is not applicable



THE REPUBLIC OF UGANDA

FORM SR 9

REGISTRATION OF SEED CROPS FOR FIELD INSPECTION

(In accordance with the Seeds and Plant Act 2006)

To: Company/Seed Grower.....

P.O. Box

**Your application has been approved and registered as a seed crop of
.....ha at.....**

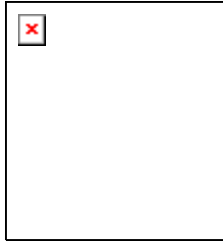
Parish..... Sub-county..... District.....

**The seed shall be harvested and delivered to the processor if the seed crop
meets the prescribed field standards.**

***Signature***

Secretary National Seed Board

***Date*.....**



THE REPUBLIC OF UGANDA

FORM SR 10 A
ROUTINE FIELD INSPECTION RESULT
(In accordance with the Seeds and Plant Act 2006)

Grower's Name.....

Species..... **Crop No**..... **Variety**.....

Class..... **Hectares**.....

1. Does the crop have proper cultivar characteristics.....

Counts	Off types	Diseases	Other features	Noxious weeds	Other weeds
1					
2					
3					
4					
5					
6					
Total					
Average					
Percentage					
Identity					

2. The isolation distance/time of days/meters* is adequate/inadequate and should be corrected.

3. General condition of the crop e.g. drought, crop husbandry, etc
.....

4. Further Remarks.....

5. Estimated Yield..... **Bags/hectare**

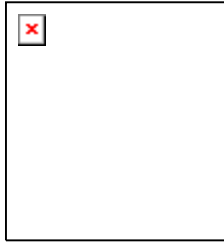
6. The crop is approved/rejected

Signature of Grower or his representative.....

Signature of Seed Inspector.....

Date.....

Delete whichever is not applicable



THE REPUBLIC OF UGANDA

FORM SR 10 B

(In accordance with the Seeds and Plant Act 2006)

FINAL FIELD INSPECTION RESULT

Grower's Name.....

Species..... **Crop No**..... **Variety**.....

Class..... **Hectares**.....

Factor	1 st inspection	2 nd inspection	3 rd inspection	Total no. or %
Off types				
Diseases				
Tassels				
Weeds				
Other crops				
Others (Specify)				

Remarks.....

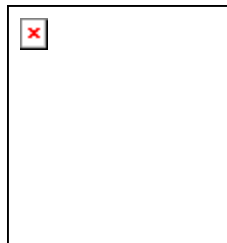
.....
The crop is approved/rejected*

Signature.....

Secretary National Seed Board

Date.....

* Delete whichever is not applicable



THE REPUBLIC OF UGANDA

FORM SR 11

FARM STOCK APPROVAL CERTIFICATE

(In accordance with the Seeds and Plant Act 2006)

TO.....

Address.....

Your field of ha which was inspected and finalized on and which yielded kg/ton of seeds and whose sample for stock approval analysis was taken on..... has been approved/rejected*

The results were:-

(i) Purity

(ii) Germination.....

(iii) Moisture content.....

(iv) Insect damage.....

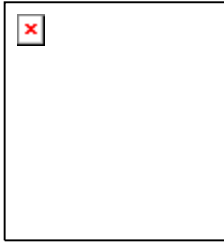
(v) Mouldiness.....

(vi) Noxious seeds observable.....

Signature of Seed Inspector.....

Date.....

* Delete whichever is not applicable



The Republic of Uganda

FORM SR 12

SEED TRANSPORT ORDER

(In accordance with the Seeds and Plant Act 2006)

M/S (SEED COMPANY).....

Address.....

Farm.....

**You may transport for processing bags of your seed crop
from**

..... to..... on..... (Date)

Species.....

Variety.....

Block/Crop Nos.....

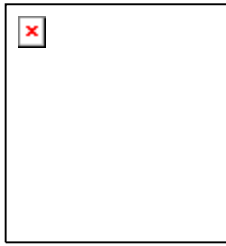
Which have been clearly identified with

.....

..... **(State type of identification)**

Signature of Seed Inspector.....

Date.....



THE REPUBLIC OF UGANDA

FORM SR 13

WORK ORDER

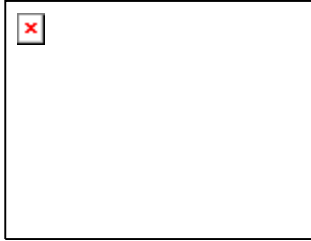
(In accordance with the Seeds and Plant Act 2006)

1. The following seed lot has been cleared and should be inspected for processing.
2. Seed Merchant.....
3. Grower Name.....and No..... Date of issue.....
4. Species..... Variety..... Class.....
5. Weight of seed lot before processing.....Kg.
6. Quantity..... Cleaning.....%
7. Lot No..... provision germination.....%

No. of labels issued	Serial No. of labels issued	No. of used labels	No. of seals used	containers	Sample No.

Signature of seed Inspector.....

Date.....



REPUBLIC OF UGANDA

FORM SR 14 A
OFFICIAL SEED SAMPLE ANALYSIS FORM
(In accordance with the Seeds and Plant Act 2006)

1. Owner of sample and address.....

2. Location of the Farm/Firm/Store.....

3. Number of samples.....

4. Date of submission.....

5. Date of sampling.....sampled by.....

6. Weight of sample..... Quantity represented.....

7. Type of packing.....

8. Number of units.....

9. Label Numbers.....

10. Crop..... Variety.....

11. Class of seed Lot number.....

12. Condition of sample

*Clean/Uncleaned

*Treated/Untreated

*Fumigated/Unfumigated

*Shelled/unshelled

Chemical(s) used.....

Fumigant used.....

13. Remarks

.....

14. Tests required:

Moisture content..... Purity.....

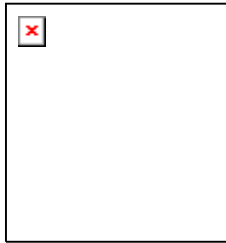
Germination..... Seed Health.....

15. Received by..... Date..... Test No. Alloted.....

Signature

Date.....

* Delete whichever is not applicable



THE REPUBLIC OF UGANDA

FORM SR 14 B
PRIVATE SEED SAMPLE ANALYSIS FORM
(In accordance with the Seeds and Plant Act 2006)

1. Owner of sample and address.....

2. Location of the Farm/Firm/Store.....

3. Number of samples.....

4. Date of submission.....

5. Date of sampling.....sampled by.....

6. Weight of sample..... Quantity represented.....

7. Type of packing.....

8. Number of units.....

9. Label Numbers.....

10. Crop..... Variety.....

11. Class of seed Lot number.....

12. Condition of sample

*Clean/Uncleaned

*Treated/Untreated

*Fumigated/Unfumigated

*Shelled/unshelled

Chemical(s) used.....

Fumigant used.....

13. Remarks

14. Tests required:

Moisture content..... Purity.....

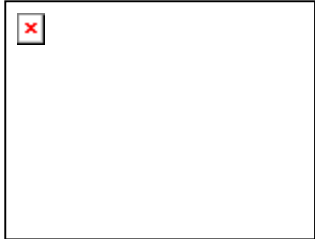
Germination..... Seed Health.....

15. Received by..... Date..... Test No. Alloted.....

Signature

Date.....

* Delete whichever is not applicable



REPUBLIC OF UGANDA

FORM SR 15A

OFFICIAL SEED TEST RESULTS CERTIFICATE
(In accordance with the Seeds and Plant Act 2006)

Date Received:										TEST NUMBER		
Lot Number:												
Crop species and Variety:							Weight of Lot:					
Country of Origin:										(As stated by Seed Inspector)		
RESULTS OF THE ANALYSIS												
PURITY				GERMINATION CAPACITY (G)						PxG		
Pure Seed	Inert Matter	Other Crop Seeds	Weed Seeds	1 st Count		Final Count		Hard	Fresh ungerminated	Remainder	100	Moisture
%	%	%	%	Days	%	Days	%	%	%	%	%	%

* incl.....% abnormal sprouts of which% broken germs

NOTE: Marketable/Not marketable

.....
 Official Seed Tester
 Date.....

Special Test

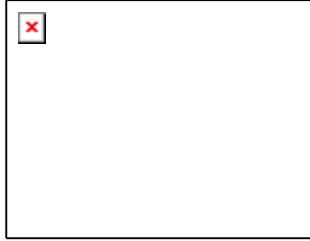
National Seed Testing Laboratory

Copies to:

1. Seed Dealer/Merchant
2. Laboratory File

Any inquiries concerning this test must quote the test number

VALIDITY OF THIS CERTIFICATE IS AS SPECIFIED IN SECTION 35 OF THESE REGULATIONS



REPUBLIC OF UGANDA

FORM SR 15B
PRIVATE SEED TEST REPORT
(In accordance with the Seeds and Plant Act 2006)

Date Received:										TEST NUMBER		
Lot Number:												
Crop species and Variety:							Weight of Lot:					
Country of Origin:										(As stated by Sender)		
RESULTS OF THE ANALYSIS												
PURITY				GERMINATION CAPACITY (G)						PxG		
Pure Seed	Inert Matter	Other Crop Seeds	Weed Seeds	1 st Count		Final Count		Hard	Fresh ungerminated	Remainder	100	Moisture
%	%	%	%	Days	%	Days	%	%	%	%	%	%

* incl.....% abnormal sprouts of which% broken germs

NOTE: For Own Use

.....
 Official Seed Tester
 Date.....

Special Test

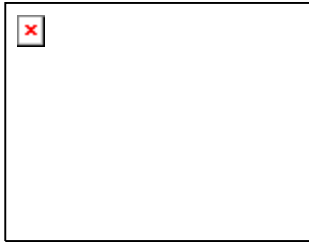
National Seed Testing Laboratory

Copies to:

3. Owner
4. Laboratory File

Any inquiries concerning this test must quote the test number

VALIDITY OF THIS CERTIFICATE IS AS SPECIFIED IN SECTION 35 OF THESE REGULATIONS



THE REPUBLIC OF UGANDA

FORM SR 16

APPLICATION FOR REGISTRATION AS A SEED DEALER/ AGENT/SUB-AGENT/STOCKIST

(In accordance with the Seeds and Plant Act 2006)

**TO: The Chairman
National Seed Board**

APPLICANT.....

NAMES AND ADDRESS OF SEED MERCHANT/IMPORTER.....

.....

1/We* hereby apply for a Seed Dealer's Certificate

Name and Address of Premises.....

.....

Sub-Parish..... Parish..... Sub-County.....

District.....

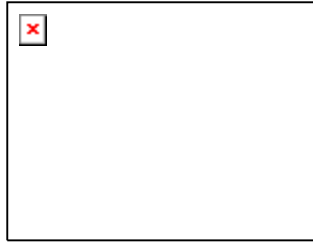
Species to be sold.....

Storage facilities.....

Signature.....

Date.....

*Delete whichever is not applicable.



THE REPUBLIC OF UGANDA

FORM SR 17

SEED DEALER'S /AGENT/SUB- AGENT/STOCKIST CERTIFICATE
(In accordance with the Seeds and Plant Act 2006)

SEED DEALER/AGENT/SUB-AGENT/STOCKIST Certificate No.....

A Seed Dealer/ Agent/Sub-Agent/Stockist Certificate is hereby granted to:

Name.....

Address.....

For trading of seeds at.....

For the period as from..... to.....

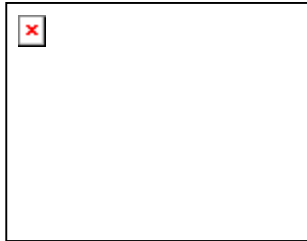
The Certificate is subject to the following conditions and standards.

1. The seed must at all times meet minimum germination standards.
2. Sealed containers shall not be tampered with.
3. Seed will always remain in a cool dry storage condition with no direct sunlight.
4. Seed will be kept away from chemicals and such other substances injurious to the seed.
5. upon registration, the Dealer/Agent/Sub-Agent/Stockist:
 - (a) Shall renew the certificate upon expiry (valid for one year)
 - (b) If not renewed for one year, the Dealer shall have to apply anew.

Signature.....

Chairman National Seed Board

Date.....



THE REPUBLIC OF UGANDA

FORM SR 18

STOP SALE ORDER

(In accordance with the Seeds and Plant Act 2006)

1. Merchant/Stockist.....

2 Address.....

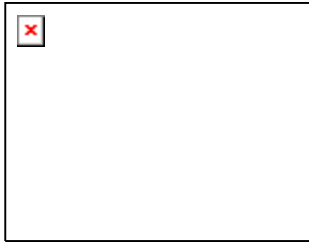
3. *The following seed lots are found to be in contravention of the seed regulations*

Species	Variety	Lot No.	No. of containers	Quantity(Kg)	Kind of violation	Sampled	
						Yes	No

By this notice, you are ordered to hold these lots of seed intact, at.....
(place) until compliance with the Seed and Plant Act has been achieved and the seed has been released from this order.

Signature of seed inspector.....

Date.....



THE REPUBLIC OF UGANDA

FORM SR19

APPLICATION FOR A SEED IMPORT/EXPORT PERMIT
(In accordance with the Seeds and Plant Act 2006)

TO: The **Secretary**
National Seed Board

I/We* hereby apply to import/export* the seeds as described below in accordance with the terms laid down in the Seeds and Plant Act 2006 and the Seeds and Plant Regulations made under.

1. Name of Applicant.....

2. Postal Address.....
.....

Tel No.....

3. NSB Registration Number is.....

4. Location of the stores where the seeds will be kept after arrival/where the seed is being kept before export*.....

5. Quantities of Seed of the same variety held in stock.....

6. Name and address of Origin.....
.....

7. Particulars of the seed imported/exported

Species	Variety	Category	Weight in Kg

8. In signing this application, I should obtain a Plant Import Permit.

9. The Seed consignment shall be accompanied by:
(a) The Orange International (ISTA) Certificate

(b) Import Permit
© Phytosanitary Certificate

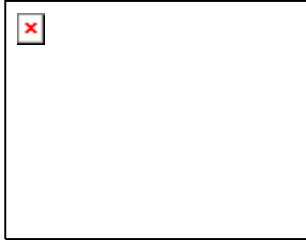
Signature.....
Date.....

Recommendation by Secretary National Seed Board

- (i) The applicant is registered Seed Merchant/Importer/Conditioner.
- (ii) The Quantity of seed of the same variety held in stock is..... tons/Kgs.
- (iii) The source of importation is recommended/not recommended.
- (iv)The varieties intended for importation have been tested for adaptability in Uganda and found to be suitable/unsuitable.

Signature.....
Secretary National Seed Board

Date.....



THE REPUBLIC OF UGANDA

**FORM 20
SEED IMPORT/EXPORT PERMIT**

(In accordance with the Seeds and Plant Act 2006)

Permit No.....

Date.....

Permission is hereby granted to.....

Of.....

With NSB Registration No.....

to import from/export* to.....

the following seeds.....

Species	Variety	Category	Weight (Kg)

Subject to the following conditions:

1. The consignment of seed shall be accompanied by:-

(i)The Orange International (ISTA) certificate

(ii) An Import Permit

(iii) Phytosanitary Certificate

2. The seeds shall not be distributed prior to the release of the results of samples unless with express permission of Chairman National Seed Board or his agent.

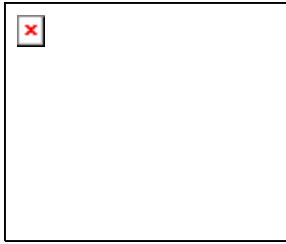
3. Fulfillment of Commerce/Customs requirement and adherence to regulations pertaining to importation of seed.

4. Additional Conditions.....

.....

National Seed Board
Secretary

*Delete whichever is not applicable



THE REPUBLIC OF UGANDA

FORM SR 21

TRANSFER OF SEED UNDER INTER-AGENCY SEED CERTIFICATION
(In accordance with the Seeds and Plant Act 2006)

SEED CERTIFICATION AGENCY NAME: ADDRESS:

Seed merchant/company.....
Date/month of harvest.....
Date of Seed Transfer.....
Reference No.....

Seed Producer Name: Address:	Seed Processor Name: Address:
--	---

Crop:	Variety:	Class:	Total Weight:
-------	----------	--------	---------------

Stage of Conditioning	Seed Container information: (i) Type: Bulk/Workbags/Retail Bags (ii) If Bagged (a) No. of bags..... (b) Wght/Kgs..... (c) Shipped on..... (d) Vehicle No.....
-----------------------	---

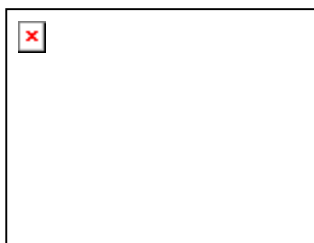
SEED CERTIFICATION AGENCY DECLARATION:

According to certification records, the above information appears to be:

- (i) Accurate/Inaccurate
- (ii) Seed Transfer Approved: Yes/No

Signature..... **Date**.....

Copies: 1) Merchant 2) Receiving Certification Agency 3) Sending Certification Agency 4) Book Copy



THE REPUBLIC OF UGANDA

FORM SR 22

APPLICATION FOR ACCREDITATION OF SEED CERTIFICATION SERVICES
(In accordance with the Seeds and Plant Act 2006)

TO: The Secretary
National Seed Board

Name of Applicant.....

Name of Employer.....

Location and address.....

Qualification and Experience.....

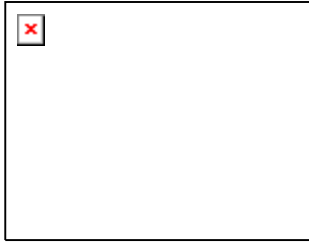
Scope of accreditation applied for-

- (a) Field Crop inspection;
- (b) Seed Sampling
- (c) Seed Testing
- (d) Seed labeling

NB: In seeking for accreditation of any of the above seed certification services, I shall abide by the conditions, as laid out in section 47 of these Regulations.

Signature of Applicant.....

Date.....



THE REPUBLIC OF UGANDA

FORM SR 23

**CERTIFICATE OF REGISTRATION FOR ACCREDITATION OF SEED
CERTIFICATION SERVICES**

1. Name of applicant.....

2. Address.....

3. Name of Institution.....

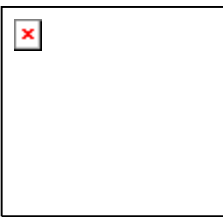
4. You have been granted accreditation to carry out the following seed certification services-

- (a) Field crop inspections
- (b) Seed Sampling
- (c) Seed Testing; and
- (d) Seed Labeling

In carrying out any /all the above services, you shall abide by the conditions, as laid out in section 47 of these Regulations.

Secretary National Seed Board
Signature.....

Date.....



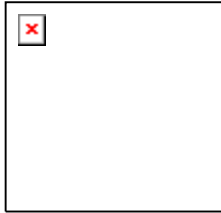
THE REPUBLIC OF UGANDA

FOURTH SCHEDULE

FEES

1. Field Inspection Fees (U shs,)

Crops under Certification	Inspection per Hectare	Minimum for Field	Re- inspection on appeal		Re- inspection due to Negligence or at Owner's Request	
			Per Hectare	Min. Per Field	Per Hectare	Min. per Field
Inbred Maize	3,000	12,000	10,000	12,000	10,000	12,000
Hybrid Maize	3,000	12,000	10,000	12,000	10,000	12,000
OPV Maize	3,000	12,000	10,000	12,000	10,000	12,000
Wheat	3,000	12,000	10,000	12,000	10,000	12,000
Barley	3,000	12,000	10,000	12,000	10,000	12,000
Sorghum	3,000	12,000	10,000	12,000	10,000	12,000
Potatoes	3,000	12,000	10,000	12,000	10,000	12,000
Hybrid Sunflower	3,000	12,000	10,000	12,000	10,000	12,000
OPV Sunflower	3,000	12,000	10,000	12,000	10,000	12,000
Beans	3,000	12,000	10,000	12,000	10,000	12,000
Groundnuts	3,000	12,000	10,000	12,000	10,000	12,000
Cowpeas Peas	3,000	12,000	10,000	12,000	10,000	12,000
Soybean	3,000	12,000	10,000	12,000	10,000	12,000
Finger millet	3,000	12,000	10,000	12,000	10,000	12,000
Bull rush millet	3,000	12,000	10,000	12,000	10,000	12,000



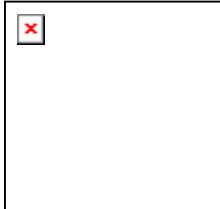
THE REPUBLIC OF UGANDA

FOURTH SCHEDULE

FEES

2. Sampling and Sealing Fees (U shs,)

Crops under Certification	Sampling & Lot Examination per 100kgs	Labeling & Sealing per 100kgs	Re- sampling of Seed Lots		Re- Sealing per 100kgs
			Min Per Lot	Per 100kgs	
Inbred Maize	5,000	5,000	5,000	5,000	5,000
Hybrid Maize	5,000	5,000	5,000	5,000	5,000
OPV Maize	5,000	5,000	5,000	5,000	5,000
Wheat	5,000	5,000	5,000	5,000	5,000
Barley	5,000	5,000	5,000	5,000	5,000
Sorghum	5,000	5,000	5,000	5,000	5,000
Finger Millet	5,000	5,000	5,000	5,000	5,000
Bulrush millet	5,000	5,000	5,000	5,000	5,000
Potatoes	5,000	5,000	5,000	5,000	5,000
	5,000	5,000	5,000	5,000	5,000
Hybrid Sunflower	5,000	5,000	5,000	5,000	5,000
OPV Sunflower	5,000	5,000	5,000	5,000	5,000
Beans	5,000	5,000	5,000	5,000	5,000
Groundnuts	5,000	5,000	5,000	5,000	5,000
Cow Peas	5,000	5,000	5,000	5,000	5,000
Soybean	5,000	5,000	5,000	5,000	5,000

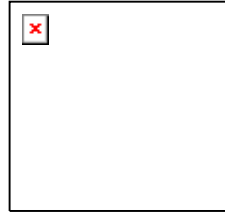


THE REPUBLIC OF UGANDA

**FOURTH SCHEDULE
FEES (CONTD.)**

3. Sampling and Pre- Control of Imported Seeds Fees (U shs,)

Crops under Certification	Minimum Fees per Lot (500 kgs)	Fees per 100kgs	Fees per 1,000kgs
Inbred Maize	6,000	3,000	12,000
Hybrid Maize	6,000	3,000	12,000
OPV Maize	6,000	3,000	12,000
Wheat	6,000	3,000	12,000
Barley	6,000	3,000	12,000
Sorghum	6,000	3,000	12,000
Finger Millet	6,000	3,000	12,000
Bulrush millet	6,000	3,000	12,000
Potatoes	6,000	3,000	12,000
Hybrid Sunflower	6,000	3,000	12,000
OPV Sunflower	6,000	3,000	12,000
Beans	6,000	3,000	12,000
Groundnuts	6,000	3,000	12,000
Peas	6,000	3,000	12,000
Soybean	6,000	3,000	12,000
Vegetables	6,000	3,000	12,000

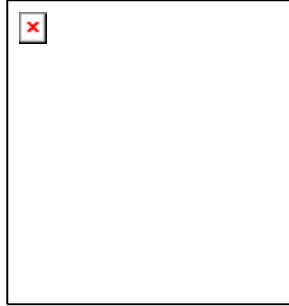


THE REPUBLIC OF UGANDA

FOURTH SCHEDULE – FEES (CONTD)

4. Laboratory Seed Testing Fees (U shs,)

Crops under Certification	Purity, Germination & moisture content per sample	Re-Sampling & Re-Testing per sample	Seed Health per sample
Inbred Maize	6,000	5,000	5,000
Hybrid Maize	6,000	5,000	5,000
OPV Maize	6,000	5,000	5,000
Wheat	6,000	5,000	5,000
Barley	6,000	5,000	5,000
Vegetable seed	6,000	5,000	5,000
Oats	6,000	5,000	5,000
Grasses	6,000	5,000	5,000
Sorghum	6,000	5,000	5,000
Finger Millet	6,000	5,000	5,000
Bulrush millet	6,000	5,000	5,000
Potatoes	6,000	5,000	5,000
Hybrid Sunflower	6,000	5,000	5,000
OPV Sunflower	6,000	5,000	5,000
Safflower	6,000	5,000	5,000
Beans	6,000	5,000	5,000
Groundnuts	6,000	5,000	5,000
Peas	6,000	5,000	5,000
Soybean	6,000	5,000	5,000
Rape Seed	6,000	5,000	5,000



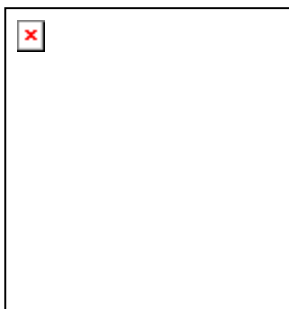
THE REPUBLIC OF UGANDA

FOURTH SCHEDULE

FEES (CONTD)

REGISTRATION FEES (U shs)

	Application Fee	Renewal Fee
A. SEED MERCHANT	1,000,000	200,000
B. SEED CONDITIONER	1,000,000	200,000
C. SEED DEALER/AGENT	50,000	20,000
D. SEED STOCKIST	20,000	10,000



THE REPUBLIC OF UGANDA

**FOURTH SCHEDULE
(CONTD)**

FEES

VARIETY TESTING

Application Fees

(a) NATIONAL VARIETY PERFORMANCE TRIAL TESTING

800,000/=

(b) DUS TESTING

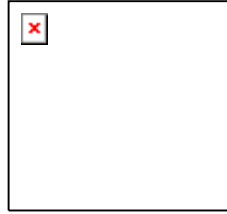
350,000/=

VARIETY REGISTRATION

100,000/=

SEED CERTIFICATION LABELS

.....



THE REPUBLIC OF UGANDA

FIFTH SCHEDULE

SEED CLASSES

CLASS OF SEED

COLOR OF LABELS

BREEDER SEED & PRE-BASIC SEED

White with violet diagonal stripe

BASIC SEED (FOUNDATION)

White

CERTIFIED SEED

Blue

(1ST GENERATION)

CERTIFIED SEED

Red

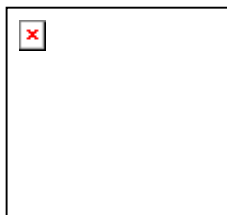
(2ND GENERATION)

STANDARD SEED

Yellow

**PARTIALLY CERTIFIED SEED
(IN TRANSIT)**

Grey



THE REPUBLIC OF UGANDA

SIXTH SCHEDULE

FIELD AND LABORATORY SEED STANDARDS

A. FIELD INSPECTION STANDARDS

1. Land Requirement, Minimum Isolation distances (m), off types and other cultivars permissible:

Species	Land Rotation	Minimum Isolation (meters)			Off types and/or other cultivars		
		BR	BASIC	CERT	BR	BASIC	CERT
CEREALS				Maximum number per 10,000 plants			
** Maize	1	400	400	200	0	0	1/100
* Sorghum	1	400	400	200	0	1/30m ²	1/10m ²
Rice	1	10	5	5	0.01%	0.01%	0.1%
Bulrush millet		400	400	200	0	0	20
Finger millet		10	5	2	1	1	6
Wheat	1	10	10	5	1/100m ²	1	1
Barley	1	10	10	4	1	1	6
PULSES				Maximum number per 10,000 plants			
Beans	1	20	10	10	0	0	10
Soybeans	1	10	5	4	0	0	10
Cow peas		50	50	25	0	0	2
OIL CROPS				Maximum number per 1,000 plants			

Groundnuts	1	20	10	5	0	0	10
Sunflower(km)	1	1.5 km	1 km	800	0	0	5
Sesame		20	10	5	0	0	5
ROOT AND TUBER CROPS					Maximum number per 1,000 plants		
Irish potato (5 seasons for BS; 3 for C1- C3)		10	10	5	0	2	3
PASTURE LEGUMES					Maximum number per 100 square meters		

Note

* Open Pollinated

** Off-types in male parents M

Off-types in female parents F

*** For Sunflower, the isolation is subject to having bee hives within the seed field

B. ADDITIONAL FIELD STANDARDS

2. Inspection shall be done for the following diseases

<u>CROP</u>	<u>DISEASE</u>	<u>TOLERANCE</u>
(a) Maize	Head smut (<i>Sphacelotheca reiliana</i>) Common Smut (<i>Ustilago maydis</i>)	Nil during any inspection Nil during any inspection
(b) Wheat	Bunt (<i>Tilletia foetida</i>)	0(Basic) 1 head per 100sq.m.
Barley	Loose smut (<i>Ustilago</i> spp) Ear cockle	1 head per 100 sq .m. 1 plant per 100sq. m.
Oats	Loose smut (<i>Ustilago</i> spp)	1 head per 100 sq .m.
Triticale	Ergot (<i>Claviceps</i> spp)	1 head per 100 sq. m.
**	Covered smut (<i>Ustilago hordei</i>)	1 head per 100 sq. m.
© Sorghum	Covered smut (<i>Sphacelotheca sorghi</i>) Basic seed 2 plants/1,000	1 plant per 1,000 plants (C1 and C2)
	Bunt (<i>Sphacelotheca cruenta</i>) Basic seed 2plants/1,000	1 plant per 1,000 plants (C1 and C2)
	Mildew (<i>Perenosclerospora sorghi</i>) Basic seed 1 plant/ 1,000	2 plant per 1,000 plants (C1 and C2)
	Head smut (<i>Sporisorium relianum</i>) Basic seed 1 plant/1,000	1 plant per 1,000 plants (C1 and C2)
(d) Beans	Halo blight (<i>Pseudomonas phaseolicoli</i>) Basic seed (0%)	0.1% C1, C2 during final inspection
	Anthracoese (<i>collelotrichum lindemuthianum</i>)	0.02% for Basic, C1 and C2

	Bean common mosaic virus	0%BS, 0.1% C1, C2 during final inspection
	Common blight (<i>Xanthomonas phascoli</i>)	0%BS, 0.2% C1, C2 at final inspection
	Aschocyta leaf spot	Nil during final inspection
(e) Cowpeas	Leaf spots (<i>Ascochyta</i> spp.)	Nil during final inspection
	Pod spots (<i>Mycosphaerella pinodes</i>)	Nil during final inspection
	Bacteria (<i>xanthomonas vignicola</i>) blight	Nil during final inspection
(f) Soybean	Bacterial blight (<i>Pseudomonas</i> spp.)	Nil during final inspection
	Bacterial pustule (<i>Xanthomonas phaseoli</i>)	Nil during final inspection
	Soybean Mosaic Virus	0 BS, 0.2% C1 and C2
(g) Sunflower	Sclerotinia wilt & Head rot (<i>sclerotinia Scleroioruum</i>)	5 plants per 1,000 plants C1 and C2
	Basic seed (0)	
	Verticillium wilt (<i>Verticillium dahliae</i>)	5 plants per 1,000 plants C1 and C2
	Basic seed (0)	
	Botrytis head rot /Grey mould (<i>Botrytis cinerea</i>)	5 plants per 1,000 plants C1 and C2
	Basic seed (0)	
	Downy mildew (<i>Plasmopara halstedii</i>)	5 plants per 1,000 plants C1 and C2
	Basic seed (0)	
	<i>Alternaria helianthi</i>	5 plants per 1,000 plants C1 and C2
	Basic seed (0)	
(h) Groundnuts	Rossette (<i>Alphisdnuts craccivoa</i>)	5 plants per 1,000 plants
	Bacterial wilt (<i>Pseudomonas solanacearum</i>)	5 plants per 1,000 plants C1 and C2
	Basic seed (0)	
(i) Fingermillet	Blast (<i>Piricularia grisea</i>)	1 plant per 100 sq.m
	Ergot (<i>Claviceps</i> spp.)	1 plant per 100 sq.m
(j) Rice	Blast (<i>Piricularia oryza</i>)	1 plant per 1,000 plants

	False smut (<i>Ustilagoidea virens</i>)	1 plant per 1,000 plants
	Kernel smut (<i>Tilletia barclayana</i>)	1 plant per 1,000 plants
	Ergot (<i>Claviceps</i> spp.)	1 plant per 1,000 plants
(k) Irish Potato	Bacterial wilt/brown rot (<i>Pseudomonas solanacearum</i>)	Nil during any inspection
	Wart disease (<i>Synchytrium endobioticum</i>)	Nil during any inspection
	Golden nematode (<i>Heterodera rostochiensis</i>)	Nil during any inspection
	Ring rot (<i>Corynebacterium sepeconicum</i>)	Nil during any inspection
	Potato spindle viroid	Nil during any inspection
	Mycoplasma	1/1,000 plants during any inspection

SS PB B C1 C2 – C4

Per Thousand Plants

	Black leg (<i>Erwinia</i> spp.)	0	0	0	0	0
	Severe virus disease (Leafroll, Y- group virus, severe mosaic)	0	0	5	13	15
	PVY	0	1	1	10	13
	Mild mosaic visible in the field	0	0	10	13	15
	Fusarium wilt, Verticillium wilt	0	0	0	2	3
	Nematodes (<i>Meloidogyne</i> spp. and <i>Ditylenchus</i>)	0	0	0	1	2

** No roguing

3. Inspection shall be done on the following weeds:-

CROP	WEED	TOLERANCE
Wheat	Wild oats (<i>Avena fatua</i> , <i>Avena sterilis</i>)	Nil
	<i>Avena ludoviciana</i>	Nil
Barley	Thorn apple (<i>Datura stramonium</i>)	Nil
Triticale		
Sorghum	<i>Striga</i> spp. and <i>Orobanche</i>	Nil
Finger Millet	Wild oat	Nil
Maize	<i>Striga</i> spp.	Nil

HYBRID SEED PRODUCTION

MAIZE

- b. detasseling of female plants shall be inspected at least three times during the detasseling period.
- c. If 1% or more of the female plants have receptive silk and more than one per a hundred of them are shedding pollen at any one inspection visits, or more than two per a hundred cumulatively during three days of inspection (three inspection visits), then the crop shall be rejected.
- d. If more than 50% of the female plants are silking and male plants are not shedding pollen in the field, then the field shall be rejected.
- e. The seed crop adjacent to a rejected seed crop shall also be rejected if;
 - a) the female plants shedding pollen in the rejected field exceeds either two per a hundred on any one inspection or four per a hundred or a combination of three visits.

- b) The field crop shall have more than two per a hundred off types in its pollen parent.
- c) The rejected neighboring crop has more than two smutted plants per hectare.
- d) The neighboring seed crop adjacent to a rejected crop shall not be rejected if isolation is in accordance with these regulations ; and
- e) All seed fields shall have eight male guard rows around the seed field.

SUNFLOWER

When 2% (certified and above) and 5 % (certified) of the female plants have pollen receptive flowers, there should not be more than the number of off type plants stated in the schedule and also not more than five plants per one thousand female pollen shedders (certified and above) or ten plants per one thousand female pollen shedders (certified).

B. FACTORY SEED PROCESSING STANDARDS

CROP	Screens** (bottom sieve mm)	Screenings allowed%	Grades
Hybrid Maize	7.8	5	LF,LR,MR,MF,HP
OPV maize	6.75	5	LF,LR,MR,MF,HP
Wheat	2.2	5	LF,LR,MR,MF,HP
Barley	2.3	5	LF,LR,MR,MF,HP
Oats	2.0	5	LF,LR,MR,MF,HP
Triticale	2.0	5	LF,LR,MR,MF,HP
Potatoes	28.0 – 45.0 mm	5 tubers per 50 kg bag	1 st grade
	46.0 – 60.0 mm	5 tubers per 50 kg bag	2 nd grade

Key:

LF= Large flat grains LR= Large round grains MR= Medium round grains
 MF= Medium flat grains HF= Hand planting

Note:

1. Maize

A seed lot shall not be allowed to contain more than 2.5% of cracked, diseased, shriveled seeds, cob pieces and debris.

2. Wheat, Barley, Triticale

(a) Mixtures with other crop seeds

A maximum of one seed per litre will be allowed in Pre-basic and Basic seed lots, and four seeds per litre for certified seed lots.

(b) Weed Seeds

A maximum of two seeds per litre will be allowed in Pre-basic and Basic seed lots, and four seeds per litre for certified seed lots. No seed of wild oats or Thorn apple or other noxious weeds shall be allowed.

© Damaged Seeds

(i) In Pre- Basic and Basic seed lots, a maximum of 5% of naked seeds and 5% of cracked seeds in barley shall be allowed, while for certified seed, the maximum will be 10 %.

(ii) In Pre- Basic and Basic seed lots, a maximum of 5% of all discolored seeds e.g. blue pointed seeds(germ end) and 5% of insect damaged seeds shall be allowed, while for certified seed, the maximum will be 10 %.

(d) Sprouted Seeds

In Pre- Basic and Basic seed lots, a maximum of 5% short sprouts and 2% long sprouts will be allowed, while a maximum of 10% short sprouts and 5 % long sprouts will be allowed in certified seed lots.

(e) The combination of the factors mentioned in © and (d) above shall not exceed 5% for basic seed (and above) and 10% for certified seed.

3. Sunflower

(i) Mixtures with other varieties- maximum of 2 seeds per litre allowed.

(ii) Seeds with cracked seed coat – maximum of 5% allowed; and

(iii) Noxious weed seeds e.g. Datura sp. – none will be allowed.

4. Beans, Peas, cowpeas, groundnuts and Soybean

(a) Mixture with other crop seeds – none allowed in Pre- basic and basic seed while a maximum of one seed per litre of clearly distinguishable other bean seeds will be allowed for certified seed, but seeds of other species will not be allowed.

(b) Weed seeds – free from all weed seeds.

© Other factors:-

(i) Spotted beans and heat damaged beans – maximum 0.5% allowed;

(ii) Rejects (insect damaged beans, off- colored beans, beans with cracked skin, broken beans, under-size seeds etc. – maximum 3 % allowed.

5. Sorghum, Bulrush millet and Finger millet

(a) Mixtures with other crop seeds – none will be allowed in Pre- Basic and Basic seed lots, and two seeds per litre in certified seed lots.

(b) Weed seeds – A maximum of two seeds per litre will be allowed in Pre- Basic and Basic seed lots, while four seeds will be allowed in certified seed lots. No seed of wild oats, thorn apple, striga, orobanche or other noxious weeds shall be allowed.

6. Irish Potato

The following diseases/abnormalities will be permitted up to the stated tolerances

Disease/Abnormality	Tolerance (tubers per 50 kg bag)	
	Basic	Certified
Scab (<i>Streptomyces</i> sp.) Spongospora subterranea (No more than 59% tuber covered)	25%	50%
Rhizoctonia (<i>Rhizoctonia solani</i>)	10%	30%
Pink rot (<i>Phytophthora erythroseptica</i>) Soft rot (<i>Erwinia</i> spp.)	0%	1%
Severe tuber moth	2%	5%
Mis-shapen and damaged tubers	0%	5%

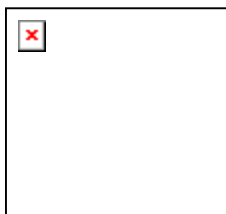
7. Maximum Weight of Lots

Generally, the following shall be the maximum weights which constitute a seed lot:-

(a) for seed whose size is less than that of *Triticum* spp. (2.2 mm)- 10,000 kgs.

(b) for seed whose size i.e. equal to or larger than that of *Triticum* spp. (2.2mm) 25,000 kgs, and

© in case of maize – 40,000 kgs.



THE REPUBLIC OF UGANDA

SIXTH SCHEDULE

LABORATORY SEED TESTING STANDARDS (PURITY, GERMINATION, MOISTURE CONTENT OTHER CROPS SEEDS,)

Crop	Minimum Purity (%)	Maximum Other Crop seed (%) number	Minimum Germination (%)	Maximum moisture content (%)
CEREALS				
Maize	99	1	90	13
Sorghum	98	2	80	11
Finger Millet	98	2	80	11
Bull rush Millet	98	2	80	13
Rice	99	1	80	11
Wheat	99	1	80	13
Barley	99	1	85	13
PULSES				
Beans	99	1	80	13
Broad beans	99	1	80	13
Chickpeas	99	1	80	13
Dolichos Beans	99	1	80	13
Peas	99	1	80	13
Pigeon Pea	99	1	80	13
Common Vetch	98	2	75	12
French beans	99	1	80	13
OIL CROPS				
Groundnuts	98	2	80	13
Sunflower	99	1	85	10
Soybeans	99	1	75	11
Oil Seed Rape	99	1	85	10
Safflower	99	1	75	10
FIBER CROPS				
Cotton	98	2	75	10
Flax	98	2	80	10
Kenap	98	2	75	10
VEGETABLES				
Amaranthus	98	2	75	9
Artichoke	98	2	75	9
Asparagus	96	4	70	9

Broccoli	97	3	75	10
Brussel sprouts	97	3	75	10
Cabbage	97	3	75	10
Carrots	95	5	75	9
Cauliflower	97	3	75	10
Celery	97	3	75	10
Chicory	95	5	75	10
Collards	97	3	75	10
Chinese cabbage	97	3	75	10
Cucumber	98	2	80	9
Eggplant	96	4	75	10
Gourds	97	3	75	9
Leek	97	3	75	8
Lettuce	95	5	75	11
Okra	98	2	75	11
Onion	97	3	70	10
Parsley	97	3	75	9
Parsnip	97	3	75	10
Pepper	97	3	75	9
Pumpkin	98	2	70	9
Courgette	98	2	75	9
Radish	97	3	75	8
Rutabaga	98	2	75	10
Spinach	97	3	70	11
Squash	98	2	70	11
Tomato	97	3	75	9
Turnip	98	2	75	10
Water melon	98	2	75	9
GRASSES				
Blue stem grass	40		30	12
Buffel grass	40		30	12
Paspalm	40		30	12
Setaria	40		30	12
Rhodes grass	40		30	12
Sudan grass	40		30	12
Congo signal	40		30	12
Guinea grass	40		30	12
Bermuda grass	40		30	12
PASTURE LEGUMES				
Centro	98	2	70	
Stylo	97	3	70	
Desmodium	95	5	70	

Clover	98	2	75	
Lucerne	98	2	75	
Siratro	98	2	80	
Glycine	97	3	70	