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Statutory Instrument No. 8 of 2020

Sierra Leone Seed Certification Agency Regulations, 2020

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STATUTORY INSTRUMENT

Supplement to the Sierra Leone Gazette Vol. CXLXI, No. 21

dated 14th April, 2020

SIERRA LEONE SEED CERTIFICATION AGENCY REGULATIONS, 2020.

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STATUTORY INSTRUMENT NO. 8 OF 2020

Published 14th April, 2020

*THE SIERRA LEONE SEED CERTIFICATION AGENCY
ACT, 2018
(ACT NO. 5 OF 2018)*

Short title

SIERRA LEONE SEED CERTIFICATION AGENCY
REGULATIONS, 2020

In exercise of the powers conferred on him by section 91 of the Sierra Leone Seed Certification Agency Act, 2018 the Minister hereby makes the following Regulations—

PART I—PRELIMINARY

1. In these Regulations unless the context otherwise Interpretation requires -

"Act" means the Sierra Leone Seed Certification Agent Act, 2018 (Act No. 5 of 2018);

"controlled growing" means the growing of plants to determine the cultivar purity, disease infection and other factors;

"Controller of Seeds" means the Minister responsible for agriculture;

"cultivar" means a subdivision of any species of seed which can be distinguished from other subdivisions of that species by means of growth, plant, fruit or other characteristics;

"cultivar purity" means the percentage by number of seeds or plants found to be true-to-type under laboratory, field or control growing examination;

"defect test" means a test carried out to determine the percentage by weight of broken, chipped, diseased or shriveled seeds;

"hybrid" means a plant which grows from seed produced as a result of controlled crossing between two or more genetically unlike parents;

"isolation" means the required distance in space 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;

"International Seed Testing Association" means the association of laboratories which are authorised to check on the marketability of seed as defined in laws of the trading partner countries of the World Trade Organisation;

"quality declaration " means seed produced from commercial seed or higher class;

"release" means the official authorisation for the multiplication of a new variety;

"seed lot" means a specified quantity of seed, which is homogenous and physically identifiable;

"stability" means occurrence of essential characteristics in a variety after repeated reproduction;

"value for cultivation and use" means agricultural and produce value of a variety;

"variety list" means an official list of varieties approved by the Variety Release and Registration Committee for certification purposes.

2. The seeds set out in the First Schedule shall be the prescribed seeds for the purposes of the Act and these Regulations. Prescribed seeds.

PART II—CERTIFICATION, QUALITY DECLARATION AND OTHER RELATED MATTERS

3. (1) No person shall sell any seed unless the seed has been certified or the Agency issues a quality declaration. Seed certification.

(2) No species of seed set out in the Second Schedule shall be offered for sale unless it has been certified.

(3) The seeds set out in the Second Schedule shall be for compulsory certification for the purposes of the Act.

(4) The Agency shall not certify any seed unless the seed is produced, inspected, sampled, tested and complies with the standards set out in the Fourth Schedule.

(5) The Agency shall certify seeds in 6 different classes in accordance with the Third Schedule.

(6) Cultivars approved by the Variety Release and Registration Committee established under paragraph (a) of subsection (4) of section 81 of the Act, recorded on the National Catalogue of Plant Species and Varieties referred to in section 67 of the Act and the West African Catalogue of Plant Species and Varieties shall be eligible for certification.

(7) Any seed which contains noxious weeds or noxious ergots shall not be eligible for certification.

4. The Agency shall issue a quality declaration when a seed conforms to the standards set out in Part (A) of the Fifth Schedule. Quality declaration.

5. (1) Certification issued or quality declared by the Agency shall be valid for — Validity of certification and quality declaration.

- (a) a period of 9 months in the case of cereals, pulses declaration. and oil crops;
- (b) a period of 12 months from the date of completion of seed testing in the case of vegetables;
- (c) a period of 3 months in the case of cassava if the seed crop is still in the field and not exceeding 2 years from the date of planting after first rationing
- (d) a period not exceeding 2 months from the date of planting and 2 months from the date of the previous harvest for rationed crop in the case of sweet potato if the seed is still in the field .

(2) Harvested cassava and sweet potato planting materials shall not be revalidated.

Crop
certification.

6. (1) A seed inspector conducting a field inspection shall refuse to certify a crop if he is satisfied that -

- (a) the crop is so heavily contaminated with weeds, other species or pests so as to render the crop unfit for seed or make inspections impracticable;
- (b) the isolation distance or the standards relating to crop rotation, off-types and other cultivars, prescribed in the Fourth Schedule have not been complied with;
- (c) there are more than 3 pollinating females per thousand plants in the case of hybrids of maize and sorghum; or

- (d) the crop exceeds the approved and registered hectare by more than 10 percent.

(2) If a seed crop does not reach the standards for the class it has been grown, it may be approved in a lower class or rejected for certification if found to be of lower standard than that prescribed for certified seed of the lowest class.

(3) For the purpose of certification, there shall be a minimum number of the following inspections-

- (a) for open and self-pollinated crops, a minimum of four inspections, one of which shall be before planting, second at vegetative stage, third at flowering stage and fourth at clearance for harvesting;
- (b) for commercial seed class, a minimum of one inspection at clearance for harvesting stage;
- (c) for hybrids, a minimum of 5 inspections, 2 of which shall be during flowering stage.

(4) A report of every field inspection shall be made by the seed inspector as set out in Form 3 of the Seventh Schedule, and shall be countersigned by the registered grower or his representative.

7. (1) The sampling of seed lots shall be conducted in accordance with the International Seed Testing Association rules. Seed sampling.

(2) Crops from different fields of the same origin, species and cultivar which have passed field inspections may be blended under supervision of an official seed inspector and bulked to constitute one seed lot.

(3) With respect to pre-basic and basic seed, a seed lot shall be constituted by the product of one farm.

(4) The seed shall be weighed using weights approved under the Weights and Measures Act, 2010 (Act No. 5 of 2010).

(5) The maximum seed lot sizes shall be as stipulated in the Eighth Schedule.

(6) The seed sampler who conducts the sampling shall submit a sample together with a report of his sampling as set out in Form 16 of the Seventh Schedule and report shall be countersigned by the applicant or his representative.

(7) A seed sample shall be collected after sealing seed lot and submitted to the Agency for post control purposes in quantities determined by the Controller of Seeds.

(8) A seed lot which has been sampled in accordance with these regulations may be moved from one place to another.

Controlled
growth.

8. (1) Seed lots which have been sampled and tested under these regulations shall be controlled grown in accordance with instructions issued by the Agency.

(2) The Agency shall prepare a report on each control growth carried out under these regulations as set out in Form 18 of the Seventh Schedule.

(3) Notwithstanding sub-regulations (1) and (2), control growth for all crops prescribed in the First Schedule and of higher classes shall be compulsory.

(4) The Certifying Agency shall determine the percentage of seed lots to be control grown for each crop and class.

Seed Pack-
ing.

9. (1) Certified seed lot shall be packed in bags securely closed and sealed by a seed inspector and labeled with a certification label.

(2) Where certified seed lots have to be repacked, the repacking shall be done only with the approval of the Agency and under the Agency's supervision.

Seed labeling.

10. (1) A seed seller whose seed quality has been declared under these regulations shall label each package of seed being offered for sale and such label shall state the species, type (hybrid or composite, rain fed or irrigated), cultivar, minimum physical purity (percentage by weight), minimum germination capacity (percentage by number), seed class, certification number, lot number, weight, date of test and warning text in case the seed lot is treated.

(2) The label shall be of such colour as set out in the Third Schedule.

11. The seed inspector or seed sampler who seals bags shall submit a report of sealing in accordance with Form 16 as set out in the Seventh Schedule

Sealing of seeds.

12. (1) Seeds shall be stored both before and after certification in a manner satisfactory to the Controller of Seeds to avoid disease infection and contamination .

Storing of seeds.

(2) Buildings where seeds are stored shall be disinfected with a disinfectant approved by the Controller of Seeds.

(3) Each year the Controller of Seeds shall recommend the chemicals appropriate for disinfection and seed treatment.

13. (1) The National Seed Testing Station established under section 59 Seed Testing of the Act shall be the official seed testing station.

The National Station.

(2) The National Seed Testing Station shall—

- (a) license seed testing stations in accordance with section 60;
- (b) monitor seed testing stations;
- (c) inspect registered seed crops and conduct laboratory tests on submitted samples in accordance with International Seed Testing Association rules;
- (d) test all exported and imported seeds in accordance with International Seed Testing Association rules; and
- (e) issue international and national seed certificates respectively;
- (f) record the results of laboratory seed tests;

- (g) record the results of laboratory seed tests in accordance with Form 17 as set out in the Seventh Schedule and state whether the seed can be offered for sale;
- (h) retain a portion of each submitted sample for reference during the validity of the certification period.

Licensed seed testing station.

14. (1) A licensed seed testing station shall be-

- (a) located in a premises approved by the Controller of seeds ;
- (b) equipped in accordance with laboratory audit requirements;
- (c) managed by a licensed seed analyst;
- (d) subject to the supervision of the Agency.

(2) A person shall not make any changes to a seed testing station unless he applies for modification of the station and receives approval from the Controller of Seeds.

(3) A licensed seed analyst shall-

- (a) test seeds in accordance with International Seed Testing Association rules and shall include a defect test as prescribed in Part B of the Fifth Schedule ;
- (b) record the results of seed tests on a seed analysis certificate and state in the certificate whether the seeds can be offered for sale or not and the class of the seeds;
- (c) make the records available for inspection by the Controller of Seeds at reasonable times;

- (d) retain a portion of submitted samples for reference during the validity of the certification period;
- (e) maintain a level of performance during testing satisfactory to the Controller of seeds.

15 The testing of seeds for the purposes of determining seed quality shall be done either in the National Seed Testing Station or a licensed seed testing station. Testing of seeds.

PART III-REGISTRATION OF SEED GROWERS

16. (1) An application for registration as a seed grower shall be made seed in accordance with Form 1 as set out in the Seventh Schedule. Registration as grower.

(2) Each application shall be accompanied by a fee as prescribed in the Sixth Schedule and shall refer to the growing of one crop cultivar only.

(3) An application shall not be approved in respect of land on which during the preceding season, other cultivars of the same crop or other too closely related crops have been grown.

(4) On registering as a seed grower, the Agency shall furnish the applicant with a certificate of registration as set out in Form 2 of the Seventh Schedule, specifying the conditions for growing registered seed crops.

(5) Unless the Agency decides otherwise, only one cultivar of the same species shall be permitted on the same farm.

(6) The registered seed crop shall not exceed the approved hectare by more than 10 percent, and any excess over this amount shall be destroyed without compensation, immediately on the request of a seed inspector.

(7) The Agency shall keep a register of registered seed growers, seed crops, cultivars and dealers.

(8) A seed grower shall plant the appropriate parent seed

for the production of his registered seed class and shall keep a record of such parentage including certification labels and invoices as may be sufficient to satisfy the Agency in this respect.

(9) All seed crops shall be registered not later than end of April every year for rain fed crops and not later than end of November of every year for irrigated crops.

Testing of seeds.

17. The testing of seeds for the purposes of determining seed quality shall be done either in the National Seed Testing Station or a licensed seed testing station.

Late seed registration application.

18. (1) Applications for registration as seed grower may not be accepted after the period limited in sub-regulation (1) of regulation 16 but the Agency may accept such registration if it is made within one month after the expiration of the time limited for that purpose.

(2) A fee for late registration as prescribed in Sixth Schedule shall be imposed for seed growers registered within one month after the time limited in sub-regulation (1) of regulation 16.

Evidence of seed grown.

19. A registered seed grower shall plant the class of seeds appropriate for his production; and shall retain such evidence of that class as may be sufficient to satisfy the Agency.

PART IV-LICENCES

License for Seed Inspectors.

20. (1) With the exception of official seed inspectors appointed under section 82 of the Act, no person shall inspect seeds without a licence to inspect as set out in Form 5 of the Seventh Schedule.

(2) An application for a license to inspect seeds shall be made in accordance with Form 4 of the Seventh Schedule accompanied by a fee prescribed in the Sixth Schedule.

(3) The Controller of Seeds shall issue a license to inspect seeds if he is satisfied that the applicant has undergone appropriate training and qualifies to be a seed inspector.

(4) A licence to inspect seeds shall-

(a) specify the conditions relating to the inspection of seeds; and

(b) be valid for a period of 12 months.

(5) A licensed seed inspector shall be subject to supervision by the Agency and shall at all times maintain a level of performance satisfactory to the Controller of Seeds.

(6) The Controller of Seeds shall keep a register of holders of licences to inspect seeds;

(7) The minimum qualifications for a licence seed inspector shall be the same as that of an official seed inspector.

21. (1) With the exception of official seed samplers, no person shall sample seeds without a licence as set out in Form 7 of the Seventh Schedule and issued by the Controller of Seeds. Licence for seed samplers.

(2) An application for a licence to sample seeds shall be made in accordance with Form 6 of the Seventh Schedule and shall be accompanied by a fee prescribed in the Sixth Schedule.

(3) The Controller of Seeds shall issue a licence to sample seed if he is satisfied that the applicant has undergone appropriate training to sample seeds and qualifies to be a seed sampler.

(4) A licence to sample seeds shall-

(a) specify the conditions relating to the sampling of seeds; and

(b) be valid for a period of twelve months

(5) A licensed seed sampler shall be subject to supervision by the Agency and shall maintain a level of performance satisfactory to the Controller of Seeds.

(6) The Controller of Seeds shall keep a register of holders of licences to sample seeds.

(7) The minimum qualifications for a licensed seed sampler shall be the same as that of an official seed sampler.

Licence for
seed analysts.

22. (1) With the exception of Official seed analysts no person shall analyse seeds without a licence to analyse seeds as set out in Form 9 of the Seventh Schedule issued by the Controller of Seeds.

(2) An application for a licence to analyse seeds shall be made in accordance with Form 8 of the Seventh Schedule and shall be accompanied by a fee prescribed in the Sixth Schedule.

(3) The Controller of Seeds shall issue a licence to analyze seed if he is satisfied that the applicant has undergone appropriate training to analyse seeds and is qualified to be a seed analyst.

(4) A licence to analyse seeds shall-

(a) set out the conditions relating to the analysis of seeds; and

(b) be valid for a period of 12 months.

(5) A licensed seed analyst shall be subject to the supervision of the Agency and shall maintain a level of performance satisfactory to the Controller of Seeds.

(6) The Controller of Seeds shall keep a register of holders of licenses to analyse seeds.

(7) The minimum qualifications for a licensed seed analyst shall be the same as that of an official seed analyst.

Licence for
seed testing.

23. (1) No person shall test seeds unless that person holds a licence as set out in Form 11 of the Seventh Schedule issued by the Controller of Seeds.

(2) An application for a licence to test seeds shall be made in accordance with Form 10 of the Seventh Schedule and shall be accompanied by a fee prescribed in the Sixth Schedule.

(3) The Controller of Seeds shall issue a licence to test seeds if he is satisfied that the applicant has the ability and appropriate facilities to test seeds.

(4) A licence to test seed shall be valid for a period of 12 months.

(5) A licensed seed testing laboratory shall be subject to the supervision of the Agency and shall maintain a level of performance satisfactory to the Controller of Seeds.

(6) The Controller of Seeds shall maintain a register of holders of licences to test seeds.

24. (1) With the exception of official seed processors, no person shall process seeds without a licence to process seeds as set out in Form 13 of the Seventh Schedule issued by the Controller of Seeds. Licence for seed processing.

(2) An application for a licence to process seeds shall be made in accordance with Form 12 of the Seventh Schedule and shall be accompanied by a fee prescribed in the Sixth Schedule.

(3) The Controller of Seeds shall issue a licence to process seeds if he is satisfied that the applicant has the appropriate processing facilities to produce quality seeds.

(4) A licence to process seeds shall-

(a) set out the conditions relating to the processing of seeds; and

(b) be valid for a period of 12 months.

(5) A licensed seed processing plant shall be subject to the supervision of the Agency and shall maintain a level of performance satisfactory to the Controller of Seeds.

(6) The Controller of Seeds shall keep a register of holders of licences to process seeds.

25. (1) No person shall sell seeds without a seed seller's licence issued by the Controller of Seeds as set out in Form 15 of the Seventh Schedule. Licence for seed sellers.

(2) An application for a seed seller's licence shall be made in accordance with Form 14 set out in the Seventh Schedule and shall be accompanied by a fee prescribed in the Sixth Schedule.

(3) The Controller of Seeds shall issue a seed seller's licence if he is satisfied that the applicant has the ability, appropriate knowledge and facilities to maintain the quality of seeds.

(4) A seed seller's licence shall-

(a) set out the conditions relating to the maintenance of the seeds to be exposed for sale; and

(b) be valid for a period of 12 months.

(5) A licensed seed seller shall be subject to the supervision of the Agency and shall maintain a level of performance satisfactory to the Controller of Seeds.

(6) The Controller of Seeds shall keep a register of holders of seed seller's licence.

(7) The Controller of Seeds or his representative shall enter and inspect any premises where seeds are kept for sale.

(8) A report of every seed premises inspection shall be made by the seed inspector in accordance with Form 22 of the Seventh Schedule and shall be countersigned by the owner of seeds or his representative.

Revocation
or suspension
of
licence.

26. Licences issued under the Act and these Regulations may be revoked or suspended by the Controller of Seeds in the event of any breach of the conditions set out in a particular licence.

Appeals.

27. A person aggrieved by any decision of the Agency under these Regulations may appeal pursuant to section 32 of the Act.

PART V-IMPORTATION AND EXPORTATION

Importation
of seeds.

28. (1) A person shall not import Seeds for sale-

(a) unless the person holds a seed seller's licence;

- (b) unless a notice to import the seeds has been submitted in accordance with Form 19 of the Seventh Schedule and is approved by the Controller of Seeds;
- (c) unless the seeds comply with the minimum standards set out in the Fourth Schedule .

(2) A notice to import seeds shall refer to one seed lot of a given specie and cultivar.

(3) An importer of seeds shall notify the Agency about the arrival of the consignment to facilitate sampling for the purpose of checking its quality.

(4) The Controller of Seeds shall -

- (a) regulate the certification of imported seed lots according to the certification scheme in Sierra Leone; and
- (b) restrict the importation of any specie and cultivar of seeds.

29. (1) A person shall not export seed unless he obtains the authorisation of the Controller of Seeds. Exportation of seeds.

(2) A notice to export seeds shall be submitted in accordance with Form 23 as set out in the Seventh Schedule

(3) The Controller of Seeds shall regulate the export of seeds of any crop and cultivar.

PART VI-PLANT VARIETY

30. A plant variety shall be released in Sierra Leone if it has been a plant tested by the Agency under the Sierra Leone agro-ecological sites for 2 years and found suitable for commercialisation in Sierra Leone. Release of variety.

Notice of
variety

31. Notice to convene a meeting shall be announced in writing by the release meetings. Secretary of the Variety Release and Registration Committee at least 4 weeks before the expected date of the meeting.

Requirements
for release.

32. (1) An applicant for variety release shall deposit an authentic sample of the variety with the Agency which shall form the living description of the variety.

(2) The parent lines of a variety for which certification is compulsory shall be made available to the Agency for the purpose of distinctness, uniformity and stability testing and familiarisation by the Agency.

(3) In the case of hybrids, testing shall include seed production technology.

(4) A variety shall present certain advantages in terms of agricultural or produce value over released varieties.

(5) A variety which has met the requirements shall not be considered for release unless it has also met the distinctness, uniformity and stability test requirements.

Application
for release.

33. (1) An applicant for variety release shall submit a written application to the Secretary of the Variety Release and Registration Committee.

(2) An application under sub-regulation (1) shall be accompanied by an application fee as set out in the Sixth Schedule to cover the costs of multi-location testing or evaluation tests and all relevant documentation including the application for the distinctness, uniformity and stability test and completing Form 21 of the Seventh Schedule.

Duration of
and exemption,
from duration of
official variety
testing.

34. (1) In order to obtain enough information for release official variety testing shall be done for a minimum of two growing seasons.

(2) For released varieties elsewhere, the Variety Release and Registration Committee may grant an exemption from the required minimum number of years of testing.

35. A plant variety released in foreign countries and brought into Sierra Leone for seed production shall be subjected to the same release
36. (1) An applicant shall be free to propose the denomination of a plant variety.
- (2) Varieties shall carry denominations which are simple, short, easily pronounced and not likely to be misspelt.
37. (1) There shall be a variety list and a list of active varieties maintained and regularly updated by the Agency.
- (2) A variety list under sub-regulation (1), shall be a list of all the varieties released in Sierra Leone including the names and addresses of the dealers.

Release of foreign varieties.

Rules for of denomination varieties

Lists of varieties

FIRST SCHEDULE

Regulations 2, 8(4)

PRESCRIBED SEEDS

CEREALS: Maize Rice Sorghum	<i>Zea mays</i> L. <i>Oryza sativa</i> L. <i>Sorghum bicolor</i> (L.) Moench
OIL CROPS: Groundnut Sesame	<i>Arachis hypogaea</i> L. <i>Sesamum indicum</i>
PULSES: Cowpea Soya bean Pigeon pea	<i>Vigna unguiculata</i> (L.) Walp. <i>Glycine max</i> (L.) Merr. <i>Cajanus cajan</i>
ROOT CROPS: Cassava Sweet Potato Iris potato Yam	<i>Manihot esculantum</i> . <i>Ipomea batata</i> . <i>Solanum tuberosum</i> <i>Dioscorea</i> spp.
TREE CROPS: Coffee Caocao Oil Palm Cashew	<i>Coffea</i> spp. <i>Theobroma cacao</i> <i>Elaeis guineensis</i> <i>Anacardium occidentale</i> L.
VEGETABLES: Cabbage Carrot Cauliflower Cucumber (including gherkins) Eggplant Kale Leek	<i>Brassica oleracea</i> L. <i>Daucus carota</i> L. <i>Brassica oleracea</i> lonvar. <i>botrytis</i> (L.) Alef. var. <i>botrytis</i> L.. <i>Cucumis sativus</i> L. <i>Solanum melongena</i> L. <i>Brassica oleracea</i> covar. <i>acephala</i> (DC.) Alef. var. <i>medullosa</i> Thell + var. <i>viridis</i>

Lettuce	L.
Okra	Allium porrum L.
	Lactuca sativa L. Hibiscus
	esculentus L.
Onion	Abelmoschus esculentus
Pepper	Allium cepa L.
Pumpkin	Capsicum annuum L.
Radish	Cucurbita pepo L.
Rape	Raphanus sativus L.
Tomato	Brassica napus L.
Water melon	Lycopersicon lycopersicum (L.)
	Karst. Ex Farw.
	Citrullus lanatus (Thunb)
	Matsum et Nakai

SECOND SCHEDULE

Regulations 3(2), 3(3)

SEEDS FOR COMPULSORY CERTIFICATION SPECIES.

All hybrid crops

THIRD SCHEDULE

Regulations 3(5), 10(2)

SEED CERTIFICATION SCHEME

CODE	CLASS	PARENT SEED AND AVAILABILITY	COLOUR OF LABEL
A	Breeder/ Pre-basic Seed	Produced from the breeder's parent material under control of the breeder and supervision of the SLeSCA. More than one generation may be permitted by the Controller of Seeds.	Voilet stripe on white
B	Foundation Basic Seed	Produced from Breeder/Pre-basic Seed and officially inspected. Only one generation permitted.	White
R1	Certified Seed, 1st generation	Produced from Foundation /Basic Seed and officially inspected.	Blue stripe on white

R2	Certified Seed, 2nd generation	Produced from Certified Seed, 1st generation (or higher class) and officially inspected.	Red stripe on white
R3	Certified Seed, 3rd generation	Produced from Certified Seed, 2nd generation (or higher class) and officially inspected.	Red stripe on white
D/R4	Commercial seed (Certified Seed, 4th generation)	Produced from Certified Seed, 3rd generation (or higher class) and officially inspected at least once.	Green stripe on white
QDS	Quality Declared seed	Produced from Commercial seed or higher class.	Green
E *	Emergency class	Non certified seed used in the case of acute seed shortage following a state declaration of a national disaster. Standards are set by the Controller of Seeds.	Red

1. STANDARDS FOR CERTIFIED SEED

A. Field Inspection

1. Minimum standards for isolation (metres), off types and/or other cultivars

Species	Isolation, metres (minimum)				Off types and/or other cultivars				
	A	B	R1	R2, R3, R4	A	B	R1	R2, R3	R4
Cereals:						I. Maximum number per 10 square meters			
Rice	10	5	3	3	5	5	10	30	30
						II. Maximum number per 1000 plants (heads)			
Maize	400	400	200	200	1	1	3	3	10
Sorghum	400	300	200	200	2	2	5	5	10
Pulses:						I. Maximum number per 10 square meters			
soya bean	10	10	5	5	1	1	2	2	5
						II. Maximum number per 1000 plants			
(heads)									
Cowpea	25	10	5	5	1	1	2	2	5
Pigeon pea	250	200	100	100	0.00%	0.10%	0.20%	0.20%	0.20%

A. Field Inspection (contd.)

2

I Minimum standards for isolation (metres), off types and/or other cultivars

Species	Isolation, meters (minimum)				Off types and/or other cultivars				
	A	B	R1	R2, R3, R4	A	B	R1	R2, R3	R4
Oil crops:	II. Maximum number per 1000 plants (heads)								
Groundnut	5	5	3	50/3	1	1	2	2	5
Sesame	15	15	5	5	5	5	5	7	7
Species	II. Maximum number per 1000 plants (heads)								
Vegetables	II. Maximum number per 1000 plants (heads)								
Cucumber	1000	1000	600	400	2	2	5	5	10
Cabbage	1000	1000	600	400	2	2	5	5	10
Carrot	1000	1000	750	500	5	5	10	10	20
Cauliflower	1000	1000	600	400	2	2	5	5	10
Kale	1000	1000	600	400	2	2	5	5	10
Leek	1500	1500	1000	600	5	5	10	10	20
Lettuce	100	100	50	25	2	2	10	15	30
	1000	1000	400	400	5	5	10	10	20

Vegetables (contd.)

II. Maximum number per 1000 plants (heads)

Paper (incl. Chili)	200	200	100	50	1	1	2	2	5
Pumpkin	1000	1000	800	600	2	2	10	15	30
Rape	1000	1000	600	400	2	2	5	5	10
Tomato	100	100	50	50	2	2	5	10	20
Water melon	1000	1000	800	600	1	1	2	5	10
Okra	1000	1000	600	600	2	2	5	5	10
Raddish	1000	1000	600	600	2	2	5	5	10
Egg plant	1000	1000	600	400	2	2	5	5	5

Note: White maize shall be isolated from all classes of yellow maize as follows:-

A-B 500m, C₁-C₄ 300m

A. Field Isolation

II. Isolation, time (minimum)

Species	Time (days)
Cereals	28
Maize	28
Sorghum	

III. Minimum number of inspections

	CROP	A - B	SEED CLASS
			C1 - C4
Note: for other crops, the minimum number of inspections shall	Groundnuts	4	4
	Soybeans	4	4
	Sesame	4	4
	Rice	4	4
	Beans	4	4
(iv) Field Standards Rotation) (For Crop	Sorghum OP	4	4
	Sorghum H	5	5
	Cowpeas/Pigeon peas	4	4
	Maize OP	4	4
	Maize H	5	5

(SEASONS BEFORE GROWING SEED OF SAME SPECIES)

SEED CLASS

CROP	A - B	C1 - C4
Groundnuts	1	1
Sesame	1	1
Soybeans	1	1
Rice (Low land)	2	1
Rice (Up land)	1	1
Beans	1	1
Sorghum OP	2	2
Sorghum H	2	2
Cowpea/Pigeon pea	1	1
Maize OP	1	1
Maize H	1	1

Note: for vegetable crops, the minimum number of seasons shall be one.

(V) Vegetative propagated Crops

a) Cassava

Number of Field inspections

A minimum of inspections shall be conducted:

- * The 1st inspection within 60 days after planting the cuttings;
- * The 2nd inspection about 120 days after planting the cuttings;
- * The 3rd inspection about 180 days after planting the cuttings;
- * The 4th just before cutting the stems.

Crop Declaration

Any establishment of seed crops shall be the subject of a declaration submitted to Sierra Leone Seed Certification Agency before the establishment of the crops. Otherwise, the crops shall be refused by Sierra Leone Seed Certification Agency.

Origin of the Parent Seed

Any producer establishing a seed crop shall provide details on the origin, the quantity, the variety and category of the parent seed to Sierra Leone Seed Certification Agency. If the producer cannot provide such details, the crop shall be rejected.

Previous Crop

For at least one crop year, the plot shall not be used to grow cassava, unless it is of the same variety and provided that this plot was planted with certified cuttings of the same generation or a previous generation. In the case of irrigated developed plots, this rule may not be applied. In this case, and after pre-irrigation of the multiplication plot, it is required to destroy any regrowth by tillage operations three weeks before planting. The plot shall be free of any cassava shoots.

Planting Areas

Fields for the multiplication of cassava cuttings shall not be established in marshy areas or in flood-prone lowlands in rainy seasons. Producers of cassava cuttings are required to seek fertile and well drained loose land.

Cultural Conditions of Seed Fields

Field with bad cultural condition is a cause for refusal by Sierra Leone Seed Certification Agency if the criteria below are not met.

i. Varietal Purity

All off-types shall be uprooted and carried away by the producer.

ii. Weeds

Any field producing cassava cuttings must be clean. Any specific impurity and weeds shall be regularly removed by the producer.

iii. Health Status

The presence of dangerous diseases and insects in a field of cassava cuttings is a cause for refusal by SLeSCA.

Storage of Cassava Cuttings

The lots of stems or cuttings shall be kept in shaded places to avoid rapid drying and reduced latex in stems. These stems or cuttings shall not be attacked, either by diseases or herbivorous insects such as locusts and termites.

Sampling

The sample to submit to the laboratory shall include 20 untreated cuttings. The length of the cuttings shall be approximately 20cm each. The sampling of cuttings shall be done by officers of Sierra Leone Seed Certification Agency or any other authorized body. The sample shall be kept in paper bags.

Certification of Cassava Cuttings/Crop Refusal

The lots of cassava cuttings submitted for certification shall meet all regulatory requirements and particularly comply with the standards specified in Table 6 below. A plot is refused if the standards in the Table are not met.

SEED QUALITY PARAMETERS	A/B	R1-R3	R4/QDS
Minimum rotation (years/seasons)	1	1	1
Minimum isolation (m)	5	5	5
Minimum distance between varieties (m)	3	3	3
Maximum permitted rations	3	3	3
Varietal purity (%) (5x30 counts/ha)	99	90	90
Maximum off-types (%)	0.10	0.10	0.20
Cassava mosaic disease - Max incidence (%)	0	0	0
Cassava bacterial blight - Max mean severity	0	0	0
Cassava brown streak disease - Max incidence (%)	0	0	0
Cassava mealybug - Max incidence (%)	0	0	0

SEED QUALITY PARAMETERS	A/B	R1-R3	R4/QDS
Anthraxnose - Max incidence (%)	0.5	0.5	0.1
Cassava green mite - Max mean severity	3.5	3.5	3.5
Scale insects - Max incidence (%)	2	2	5
Presence of latex when cutting a stem or a cutting	Avoid certifying old or dried stems		
Harvesting age - new crop	8-24mths	8-24mths	8-24mths
Harvesting age - ratoon crop	6-24mths	6-24mths	6-24mths
Minimum length of stake	20cm	20cm	20cm
Minimum diameter of stake	2cm	2cm	2cm
Minimum number of nodes/stake	5	5	5
Maximum damaged nodes	10%	10%	10%
Validity of certification	2mths	2mths	2mths

(b) Yam (*Dioscorea* spp)

Generations of Certified Yam Minisetts

Three generations for the category of certified minisetts allowed such as "R1", "R2" and "R3" respectively.

Number of Field Inspections

A minimum of three inspections shall be conducted on yam during its growth phase:

- * The 1st inspection shall occur about 90 days after planting,
- * The 2nd inspection shall occur about 150 days after planting,
- * The 3rd inspection during harvest.

Crop Declaration

Any establishment of seed crop shall be the subject of a declaration submitted to Sierra Leone Seed Certification Agency before the establishment of the crops. Otherwise, the crop will be refused.

Origin of the Parent Seed

Any producer establishing a seed crop field must be able to provide details on the origin, the quantity, the variety and category of the parent seed, submitted to Sierra Leone Seed Certification Agency. If the producer cannot provide such documents, the crop will be rejected.

Previous Crop

For at least one crop year, the plot must not have been used to grow yam crop, unless it is of the same variety and provided that this plot was planted with certified mini setts of the same generation or a previous generation. In the case of irrigated developed plots, this rule may not be applied. In this case, and after pre-irrigation of the multiplication plot, it is required to destroy any regrowth by tillage operations three weeks before planting. The plot shall be free of any yam regrowth.

Planting Areas

The chosen multiplication fields must not be infested with parasitic plants or weeds such as quack grass (*Imperata cylindrica*). These fields shall not be established in marshy or shaded areas or in flood-prone lowlands in rainy seasons. Producers of cuttings are required to seek fertile and well drained loose land.

Cultural Conditions of Seed Fields

Field with bad cultural condition is a cause for refusal by Sierra Leone Seed Certification Agency if the criteria below are not met.

i. Varietal Purity

All off-types including their tubers shall be uprooted and removed by the producer. Missing plants after roguing of a production field shall not exceed 10%.

ii. Weeds

Any field producing yam minisetts must be clean. During roguing, weeds shall be removed.

iii. Health Status

Any infected plant shall be systematically removed with its tubers by the producer and destroyed out of the plot.

Storage of Yam Minisetts Lots

There should be optimal conditions for the storage of the lots to ensure the preservation of the minisetts until their marketing or use.

Sampling of Yam minisetts

The sample to be submitted to the laboratory shall include at least 20 untreated yam minisetts. The sample shall be collected in paper bags by officers from Sierra Leone Seed Certification Agency or any other authorized body.

Yam Minisett Certification/Crop Refusal

The plots/lots of yam minisetts submitted for certification shall comply with the standards specified in Tables 3 and 4 below. It is refused by Sierra Leone Seed Certification Agency if the standards are not met

Table 2: Criteria and standards for yam setts field controls

Minimum Distance (in meters)		
	Foundation and breeder plants	Certified plants
Sources of contamination		
Yam plots with different varieties	5 m	5 m
Field of the same variety but non-compliant in terms of varietal purity	5 m	5 m
Criteria	Maximum acceptable percentage	
Maximum off-types (%)	0.05%	0.10%
Minimum analytical purity (%)	99%	98%
Plants showing symptoms of viral diseases (%)	0%	0%
Maximum tolerance levels of plants or tubers with symptoms of visible infestations caused by:		
* Anthracnose	0.05%	0.1%
* Angular spots (<i>Curvularia</i> sp)	0.05%	0.1%
* Rod/stem mealy bugs	0%	0%
* Mealy bugs on minisetts during harvest	0.1%	1%
* Nematode on minisetts during harvest	0.05%	1%

Table 3: Types and standards of laboratory analysis of yam minisett

	Standards for each class	
	Breeder and foundation plants	Certified plant
Maximum weight of the minisett	150 - 300 g	200-400 g
Maximum off-size tubers (%) - number of non-conforming tubers regarding size in a lot of yam setts	5 %	5 %
Maximum non-conforming yam setts: skinned, crushed, rotten or damaged by pests other than mealy bugs or nematodes (%).	5 %	5 %
Maximum yam setts non-complying with the varietal characteristics (%)	0 %	0 %
Maximum yam setts infested by nematodes (%)	0 %	0 %
Maximum yam setts infested by rod/stem mealy bugs (%)	0%	0%

c). Sweet Potatoes and Irish Potatoes (*Solanum tuberosum* L.)

Number of Field Inspections

Throughout vegetation, seed potato production fields shall be under the supervision of Sierra Leone Seed Certification Agency. At least three inspections are required as follows:

- * The 1st inspection after planting,
- * The 2nd inspection during flowering,
- * The last inspection 3 weeks before the destruction of vines.

These inspections particularly aim at checking the following: the origin of the plant material; the field history; farming practices; compliance with isolation standards; the counting of off-types; the presence of diseases and insects.

Crop Declaration

Any establishment of seed crop field shall be the subject of a declaration and submitted to Sierra Leone Seed Certification Agency. Otherwise, the crop will be refused.

Origin of the Parent Seed

Any producer establishing a seed crop field must be able to provide details on the origin, the quantity, the variety and category of the parent seed and these documents shall be submitted to Sierra Leone Seed Certification Agency. If the producer cannot provide such documents, the crop will be rejected.

Previous Crop

During the previous crop year, the plot shall not be used to grow potato, unless it is of the same variety and provided that this plot was planted with certified seed of the same generation or a previous generation. In the case of irrigated developed plots, this rule may not be applied. In this case, and after pre-irrigation of the multiplication plot, it is required to destroy any regrowth by tillage operations three weeks before planting. The plot shall be free of any potato regrowth.

Planting Areas

The production of seed potatoes shall not be conducted in marshy areas or in flood-prone lowlands during the rainy season.

Cultural Conditions of Seed Fields

Field with bad cultural condition is a cause for refusal by Sierra Leone Seed Certification Agency if the criteria below are not met.

i. Varietal Purity

Varietal purification shall be performed by the producer from the beginning of vegetation until the time of vine destruction. This is to remove all off-types and regrowth located in the isolation area.

ii. Health Status

Any seed potato field shall be free of dangerous pathogens transmissible through seed. The plants affected by viral diseases, blackleg, rhizoctonia or verticillium shall be removed with tubers and carried away from the field and destroyed.

Lot Size

The constitution of seed potato lots shall comply with the rules set out by ISTA. The maximum weight of a seed potato lot is 10 tons.

Control of Seed Potatoes

Seed control shall be conducted from harvest to their final packaging. This control covers the following:

- * Storage conditions to limit losses due to respiration, transpiration, germination and disease;
- * Packages that are new and resistant;
- * The treatment product that is mentioned on the certification label.

Sampling

The sample to be submitted for laboratory analysis must include at least 20 tubers or 20 sprouted untreated plants. The sample shall be collected in brown paper bag by officers of Sierra Leone Seed Certification Agency or any other authorized body.

Certification of Seed Potatoes

Batches of seed potatoes submitted for certification shall meet all regulatory requirements and particularly comply with the standards specified in Tables 9, 10 and 11

(i). Sweet potato

Table 2: Criteria and standards for Sweet potato field controls

	Breeder and Foundation	Certified (R1 - R3)	Certified(R4) QDS
(1) Minimum Rotation (years)	1	1	2
(2) Minimum Isolation (meters)	75	70	50
(3) Maximum permitted Ratoons (Number)	1	2	2
(4) Varietal Purity			
- Minimum sample size (counts/Lima)	5 x 50	5 x 50	5 x 50 plants
- Maximum off-types (% by number)	0.5	1	2
(5) Diseases (Maximum incidence)			
- Sweet potato Virus disease (% by number of plants)	0.5	0.5	5

(7) Harvesting age of seed crop

- new crop 2 - 3 months
- ratoon crop 3 weeks

(8) Size of planting material

- Length of stake/vine 20 - 30 cm (from tip)
- Diameter of stake/vine
- Number of nodes/duds $\bar{5}$

(ii). Irish Potato

Table 7: The minimum isolation standards for the production of Seed Irish potatoes

Isolation	Breeder (Jeunes families) F1 F2 F3	Foundation (Super Elite)	Foundation (Elite)	Certified (A and B)	Certified Seed
F1, F2, F3	1 empty row	20 m	30 m	40 m	500 m
Super Elite	20 m	1 empty row	20 m	30 m	400 m
Elite	30 m	20 m	1 empty row	20 m	300 m
Certified A and B	40 m	30 m	20 m	1 empty row	200 m

Table 8: Criteria and standards for seed Irish Potato field controls

Criteria	Breeder	Foundation	Foundation	Certified	
	(Jeunes familles F1, F2, F3)	(Super) Elite	(Elite)	A	B
Maximum stunted plants	1%	7%	7%	7%	10%
Maximum plants infected with blackleg (E. carotovora pv. atroseptica)	0%	0%	0.5%	1%	2%
Maximum plants infected with wart (Synchytrium endobioticum)	0%	0%	0%	0%	0%
Maximum plants infected with potato ring rot (C. m. subsp. sepedonicum)	0%	0%	0%	0%	0%
Maximum off-types	0%	0.1%	0.1%	0.2%	0.2%
Maximum plants infected with verticillium wilt (V. arboatum)	0%	0.5%	1%	3%	5%
Maximum plants infected by viruses	0%	0.25%	0.33%	1%	3%
Maximum plants infected with Rhizoctonia (R.solani)	0%	1%	5%	10%	10%

Table 9: Types and standards of laboratory analysis of seed Irish Potatoes

Criteria	Standards for all seed categories
Maximum tubers infested with nematodes (%)	0%
Maximum tubers infested with ringworm (%)	0%
Maximum tubers infected by fusarium wilt (%)	2%
Maximum tubers infected superficial scab (%)	2%
Maximum tubers infected with late blight (%)	1%
Maximum inert materials (%)	2%
Maximum stamp-like marks and serious damage (%)	5%
Maximum misshapen/damaged tubers (%)	3%
Maximum off-size tubers (max %)	6%
Maximum tubers infected by dry or wet rot (%)	0.10%
Maximum tubers infected with powdery scab (%)	5%
Maximum tubers infected with wart (%)	0%
Maximum tubers infected with ring rot (%)	0%
Maximum tubers infected with bacterial blight	0%
Maximum tubers infected with viruses	0%

(VI) Other Criteria and Standards for Field Control

Criteria		RICE	
		Standards for controls at field level	
	Breeder (B)	Foundation (B)	Certified (R1,R2,R3)
Minimum isolation of a variety which is sensitive to diseases compared to other varieties (meters)	100	100	100
Maximum diseased plants (%)	0.01%	0.01%	0.5%
Maximum of other species grown which are difficult to separate (%)	0.01%	0.01%	0.02%
Maximum hazardous weed (%)	0.01%	0.01%	0.02%
Maximum diseased plants	0.05%	MAIZE 0.10%	0.10%
Maximum diseased plants per 500 m	3	SORGHUM 3	3
Maximum diseased plants (%)	0.10%	COWPEA 0.10%	0.20%
Other crop plants (Max. % by No.)	0.10%	PIGEON PEA 0.10%	0.50%
General condition of the crop: If the crop is severely damaged or lodged and irregularly flowered or otherwise damaged that makes assessment difficult will be rejected		GROUNDNUT	
Maximum diseased plants/500 m ²	0	0	3
Maximum diseased plants (%)	0	ONION 0	0
Maximum diseased plants (%)	0.1%	TOMATO 0.1% 0.1%	
Maximum plants showing symptoms of viral and bacterial diseases (%)	0	0	0

B. Laboratory tests

I. Quality requirements for different classes with respect to the analysis figures concerning purity, germination capacity, weed seeds and moisture content.

Species excluding Content (%)	Purity Moisture			Germination Capacity					Weed seeds, noxious weeds		
	(% by weight)			(% by number)					(number per kg)		
	A-B	C ₁ -C ₃	C ₄	A-B	C ₁ -C ₃	C ₄	A	B	C ₁ -C ₃	C ₄	A-C ₄
Cereals:											
Maize (OP)	99.0	99.0	99.0	90	90	90	1	2	5	10	13.0
Maize (Hybrid)	99.0	99.0	98.0	80	90	90	1	2	5	10	13.0
Rice	99.0	98.0	98.0	80	80	80	10	10	50	50	13.0
Sorghum (OP)	99.	98.0	98.0	80	80	80	10	10	50	50	12.0
Sorghum (H)	99.0	99.0	99.0	80	80	80	10	10	50	50	12.0
Pulses:											
Cowpea	99.0	99.0	98.0	75	75	75	1	2	5	10	13.0
Soyabean	99.0	99.0	98.0	75	75	75	1	2	5	10	14.0
Pigeon pea	98.0	98.0	98.0	75	75	75	5/kg	5/kg	10/kg	10/ kg	9.0
Oil Crops:											
Groundnut	98.0	98.0	98.0	75	75	75	1	2	5	5	10.0
Sesame	98.0	98.0	98.0	85	85	75	5	5	50	100	

B. Laboratory tests (contd.)

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I. Quality requirements for different classes with respect to the analysis figures concerning purity, germination capacity, weed seeds and moisture content.

Species	Purity Moisture			Germination Capacity				Weed seeds, noxious weeds			
	excluding										
	Content (%)										
	(% by weight)			(% by number)				(number per kg)			
	A-B	C ₁ -C ₃	C ₄	A-B	C ₁ -C ₃	C ₄	A	B	C ₁ -C ₃	C ₄	A-C ₄
Vegetables:											
Cucumber	98.0	98.0	98.0	80	80	80	2525	25	50	50	8.0
Cabbage	98.0	98.0	98.0	75	75	75	200	25	50	100	8.0
Carrot	98.0	97.0	97.0	75	75	75	25	250	250	300	8.0
Cauliflower	99.0	98.0	98.0	85	80	80	75	25	50	100	8.0
Kale	99.0	98.0	98.0	85	80	80	25	29	50	100	8.0
Leek	99.0	99.0	98.0	80	75	75	25	25	50	100	7.0
Lettuce	98.0	98.0	97.0	80	75	75	25	25	50	100	8.0
Onion	98.0	98.0	98.0	70	70	70	25	25	50	100	8.0
Pepper (Chilli)	99.0	98.0	98.0	75	70	70	25	25	50	100	8.0
Pumpkin	98.0	98.0	98.0	75	75	75	100	25	50	100	7.0
Rape	99.0	98.0	98.0	85	80	80	25	100	200	250	8.0
Tomato	98.0	98.0	98.0	75	75	75	25	25	50	100	8.0
Water melon	98.0	98.0	75	75	25	25	50	100	8.0	98.0	75
Okra	98.0	98.0	98.0	75	75	75	50	25	50	100	8.0
Raddish	98.0	98.0	80	80	25	75	75	100	8.0	98.0	80

Notes:

The following seeds are evaluated as germinable:

- (a) All fresh ungerminated seeds of cereals;
- (b) 75% of hard seeds in pulses.

B. Laboratory tests (contd.)

II. Quality requirements for cultivar/variety purity.

Maximum number (%) seeds of foreign cultivars

Species	Certification Classes				
	A	B	C ₁	C ₂ -C ₃	C ₄
Cereals	0.3	0.3	0.3	0.3	0.3
Maize	0.2	0.2	0.2	0.2	0.2
Rice					
Sorghum	0.2	0.2	0.2	0.2	0.2
Pulses					
Cowpea	1.0	1.0	0.2	0.3	0.3
Soyabean	0.5	0.5	0.5	0.5	0.5
Pigeon pea	0.1	0.1	0.2	0.3	0.3
Oil Crops					
Groundnut	0.1	0.1	0.2	0.2	0.2
Sesame	1.0	1.0	0.3	0.1	2.0

Notes:

Even though the minimum requirements for certification have been fulfilled the certification of a seed lot shall be refused or permitted in a lower class if:

- (a) the seed to a great extent (more than 15%) is mixed with ergots or infected with seed-borne diseases and insects;
- (b) because of mold or musty smell the seed cannot be considered to store without loss in germination capacity;
- (c) After considering the cultivar and the year's crop growth the seed is of unsatisfactory quality with regard to cleaning, scarifying or grading.

C. Control Growing

Foreign cultivars including off-types,				
Maximum permitted percentage by number				
Species	A	B	C1	C ₂ -C ₃
Cereals	0.3	0.3	0.3	0.3
Maize	0.3	0.3	0.3	0.3
Rice	0.2	0.2	0.2	0.2
Sorghum	0.2	0.2	0.5	0.5
Pulses:				
Cowpea	0.1	0.1	0.2	0.2
Soyabean	0.5	0.5	0.5	0.5
Pigeon pea				
Oil Crops:				
Groundnut	0.1	0.1	0.2	0.2
Sesame	0.3	0.3	1.0	2.0

Vegetables:

Cucumber	0.2	0.2	0.5	0.5
Cabbage	0.2	0.2	1.0	1.0
Carrot	0.5	0.5	0.5	0.5
Cauliflower	0.3	0.3	1.0	2.0
Kale	0.3	0.3	1.0	2.0
Leek	0.3	0.3	1.0	2.0
Lettuce	0.1	0.1	0.3	1.0
Onion	0.5	0.5	1.0	1.0
Pepper	0.2	0.2	0.4	1.5
Pumpkin	0.1	0.1	0.3	1.0
Rape	0.3	0.3	1.0	2.0
Tomato	0.2	0.2	0.5	1.0
Water melon	0.1	0.1	0.3	1.0

NOTES:

In view of the frequency of disease infection the Sierra Leone Seed Certification Agency determines in every special case whether the seed lot can be approved in the respective classes or not.

FIFTH SCHEDULE

Regulations 4, 14(3)(a),

MINIMUM STANDARDS OF QUALITY DECLARED SEED

A. Purity and germination tests

Species	Purity (% by weight)	Germination capacity (% by number)
Cereals		
Maize (O.P)	97.0	75
Rice	98.0	98.0
Sorghum (O.P)	98.0	70
Pulse Crops:		
* Cowpea	98.0	75
Soyabean	97.0	70
Pigeon pea	98.0	75
Oil Crops:		
Groundnut	96.0	75
Vegetables:		
Cabbage	98.0	75
Carrot	97.0	65
Cauliflower	98.0	75
Cucumber	98.0	75
Eggplant	98.0	60
Kale	98.0	75
Leek	98.0	75
Lettuce	98.0	75

Species	Purity (% by weight)	Germination capacity (% by number)
Okra	98.0	55
Onion	98.0	55
Pepper	98.0	65
Pumpkin	98.0	65
Radish	98.0	75
Cape	98.0	65
Tomato	98.0	75
Water melon	98.0	75

Note:

O, P = Open Pollinated

h. Defect tests

Species	Defect (minimum %)	Sample size (minimum g)
Cereals		
Maize	2.5	500
Rice	2.0	250
Sorghum	2.0	250
Oil Crops		
Groundnuts	5.0	500
Pulses		
Chickpea	3.0	500
Soyabean	3.0	500
Pigeon pea	3.0	500

SIXTH SCHEDULE**Regulations 7(2), 19(2), 20(2), 22(2), 23(2),
24(2), 33(2)****PRESCRIBED FEES****A. LICENCES**

Registration as Seed Grower per HA:	LEONES
Hybrid crops	Le 60,000 per hectare
Other crops	Le 45,000 per hectare
Quality declared seed	Le 15,000 per hectare bas
Late registration	25% more on original fee

B. LICENCES

Seed Seller	
(a) General	Le 300,000 per annum
(b) Limited	Le 225,000 per annum
(c) Restricted	Le 225,000 per annum
(d) Unrestricted	Le 225,000 per annum
-Seed Inspector's Licence	Le 135,000 per annum
-Seed Analyst's Licence	Le 135,000 per annum
-Seed Sampler's Licence	Le 135,000 per annum
-Seed Testing Lab. Licence	Le 490,000 per annum
-Seed Processing Licence	Le 300,000 per annum

C. TESTING OF SEEDS (Leones)

Weed determination by Number

Species	Purity	Germination	by Number	Moisture Content
Cereals	Le 45,000	Le 45,000	Le 45,000	Le 45,000
Pulses	Le 45,000	Le 45,000	Le 45,000	Le 45,000
Oil crops	Le 45,000 Le 45,000	Le 45,000	Le 45,000	
Vegetables	Le 45,000	Le 45,000	Le 45,000	Le 45,000

D. VARIETY TESTING AND REGISTRATION

Application for release	Le 150,000 per application
Distinctness, Uniformity and Stability test	Le 800,000 per variety per year
National variety release trials	Le 800,000 per variety per site per year
Control growing	Le 300,000 per seed lot per site

E. MISCELLANEOUS TESTS

Description	LEONES
Seed Health Test	
: Mycological	Le 60,000
: Bacteriological	Le 60,000
: Virological	Le 60,000
: Verification of cultivars	Le 45,000
Defect test	Le 45,000
Grading	Le 45,000
Other	Le 45,000

Notice to Import Seeds

- Vegetables

Le 150,000 per seed lot

- other crops

Le 250,000 per seed lot

H. Appeal

Le 300,000

Notes

1. Double the normal fees shall be charged for the tests required to be done immediately and not in the normal sequence.
2. Fees for seed testing are charged per test.

SEVENTH SCHEDULE

Prescribed Forms

Form 1

REPUBLIC OF SIERRA LEONE

Regulation 16(1)

MINISTRY OF AGRICULTURE, FORESTRY AND
FOOD SECURITY

(To be completed in triplicate)

THE SEEDS REGULATIONS, 2018

APPLICATION FOR REGISTRATION AS SEED GROWER

(b) The Director,
Sierra Leone Seed Certification Agency
Freetown

Applicant's name and address:.....

Name and address of farm:.....

Species to be grown: Cultivar:.....

Parent seed: Class:..... Certification No:..... Quantity (kg):

Source of parent seed:.....

For hybrids:

Female parent: Cultivar: Class: Certification No: Quantity

(kg)
Male parent: Cultivar: Class: Certification No: Quantity

(kg).....

Proposed hectare:..... Proposed planting date:.....

Previous species and cultivars grown in the field during the last two growing
season:

Species and cultivar

Season (year)

Comments:

Date:Signature:

(A map giving clear instructions on how to reach the farm must be drawn specified below:)

FOR OFFICIAL USE ONLY

Application received: Fee paid:for

hectares

Approved for the period.....to.....

Not approved for reasons.....

REGISTRATION No.

.....
Date.....
Controller of Seeds

REPUBLIC OF SIERRA LEONE

MINISTRY OF AGRICULTURE, FORESTRY AND FOOD SECURITY

(To be completed in triplicate)

THE SEEDS REGULATIONS, 2018

CERTIFICATE OF REGISTRATION AS SEED GROWER

(Regulation 8 (4))

REGISTRATION No:.....

Name and address of seed grower:.....

You are hereby registered as a seed grower to grow:

Species:

Cultivar:

Intended seed class:.....

From parent seed stock of:

Seed class:.....Source.....Certification No:.....

or hybrids:

Female parent: Cultivar:Class:Certification No:.....

Male parent: Cultivar:Class:Certification No:.....

This registration is valid for the period:to.....

.....
Controller of Seeds

REPUBLIC OF SIERRA LEONE

Regulation 6(4)

MINISTRY OF AGRICULTURE, FORESTRY AND
FOOD SECURITY
(To be completed in triplicate)

THE SEEDS REGULATIONS, 2018
FIELD INSPECTION

REPORT No:

Name and address of seed grower:

Name of farm: Mon No: Species: Cultivar: Inten

Crop registration No: seed class:

Parent seed Certification No.:

For hybrids: Certification No. Male parent: Certification No.:
Female parent: Cer

INSPECTION RESULT

Hectares (planted): (bed):

Isolation (metres/ es/days/barriers):

Cultivar purity:

Diseases:

Weeds and other er crop plants:

Remarks:

Date:

Signature of Gro Grower

Signature and Inspector's

Form 4

REPUBLIC OF SIERRA LEONE

MINISTRY OF AGRICULTURE, FORESTRY AND
FOOD SECURITY

(To be completed in triplicate)

THE SEEDS REGULATIONS, 2018

APPLICATION FOR SEED INSPECTOR'S LICENCE

(Regulation 12(2))

To: The Director,
Sierra Leone Seed Certification Agency
Freetown.

Applicant's name and address:.....

Employer's name and address:.....

Qualification (certificates, diplomas, degrees, etc.):

Employment record:

Employer post period of service

Date Signature of applicant

FOR OFFICIAL USE ONLY

Application received: Fee paid.....

Approved for the period..... to.....

Not approved for reasons.....

LICENCE No.

Date Controller of Seeds

REPUBLIC OF SIERRA LEONE

Regulation 19(1)(2)

MINISTRY OF AGRICULTURE, FORESTRY AND
FOOD SECURITY

(To be completed in triplicate)

THE SEEDS REGULATIONS, 2018

SEED INSPECTOR'S LICENCE

LICENCE No.

A Seed Inspector's licence is hereby granted to (Name and address):
.....
.....
.....of (Employer's name and address):
.....
.....
.....

for the period to

This licence is issued subject to the conditions specified below:

.....
Date.....
Controller of Seeds

CONDITIONS

1. Field inspections shall be conducted in accordance with Regulation 12(1).
2. The holder of this licence shall make available field inspection reports to Sierra Leone Seed Certification Agency as and when directed by the Controller of Seeds.

3. The holder of this licence may also sample seed.
4. The licence is valid for twelve months.
5. The Controller of Seeds may revoke or suspend this licence without notice if he is satisfied that the holder of the licence has conducted himself in a manner inconsistent with these regulations.
6. The holder of a licence shall be required to reapply to licensing Agency in case of movement from one Organisation to another within 21 days.

REPUBLIC OF SIERRA LEONE
 MINISTRY OF AGRICULTURE, FORESTRY AND
 FOOD SECURITY
 (To be completed in triplicate)
 THE SEEDS REGULATIONS, 2018
 APPLICATION FOR SEED SAMPLER'S LICENCE

Regulation 20

To: The Director,
 Sierra Leone Seed Certification Agency
 Freetown

Applicant's name and address:.....

Employer's name and address:.....

Qualification (certificates, diplomas, degrees, etc.):

Employment record:

Employer	post	period of ser
----------	------	---------------

.....
 Date

.....
 Signature of applic

FOR OFFICIAL USE ONLY

Application received:.....Fee paid

Approved for the periodto.....

Not approved for reasons

LICENCE No.....

.....
 Date

.....
 Controller of Seeds

Form 7

REPUBLIC OF SIERRA LEONE

Regulation 20(1)

MINISTRY OF AGRICULTURE, FORESTRY AND
FOOD SECURITY

(To be completed in triplicate)

THE SEEDS REGULATIONS, 2018

SEED SAMPLER'S LICENCE

LICENCE NO.....

Seed Sampler's licence is hereby granted to (name and address):

employer's name and address):

The period to.....

The licence is issued subject to the conditions specified below:

Controller of Seeds

CONDITIONS

Seed sampling shall be conducted in accordance with Regulation 13.

The holder of this licence shall not carry out seed sampling without a Seed
Sampler's licence.

3. The holder of this licence shall make available seed sampling reports to Leone Seed Certification Agency as and when directed by the Controller of Seeds.
4. The licence is valid for twelve months.
5. The Controller of Seeds may revoke or suspend this licence without notice if he is satisfied that the holder of the licence has conducted himself in a manner inconsistent with these regulations.
6. The holder of a licence shall be required to reapply to licensing Agency if there is a change of movement from one organization to another within 21 days

Form 8

REPUBLIC OF SIERRA LEONE

Regulation 21(2)

MINISTRY OF AGRICULTURE, FORESTRY AND
FOOD SECURITY

(To be completed in triplicate)

THE SEEDS REGULATIONS, 2018

APPLICATION FOR SEED ANALYST'S LICENCE

(Regulation 14(2))

The Director,
Sierra Leone Seed Certification Agency
Freetown.

Applicant's name and address:.....

Employer's name and address:.....

Qualification (certificates, diplomas, degrees, etc.):

Employment record:

Employer	post	period of service
.....
.....
.....

Signature of applicant

FOR OFFICIAL USE ONLY

Licence received: Fee paid.....

Valid for the period to

Approved for reasons

Licence No.

Controller of Seeds

REPUBLIC OF SIERRA LEONE

Regulation 210

MINISTRY OF AGRICULTURE, FORESTRY AND
FOOD SECURITY(To be completed in triplicate)
THE SEEDS REGULATIONS, 2018

SEED ANALYST'S LICENCE

(Regulation 14 (1))

LICENCE No.

A Seed Analyst's Licence is hereby granted to (name and address):
.....
..........
of (employer's name and address):

for the periodto

This licence is issued subject to the conditions specified below:

.....
Date.....
Controller of Seeds

CONDITIONS

1. Seed analyses shall be conducted in accordance with Regulation 14 (1)
2. The licence is valid for twelve months.
3. The Controller of Seeds may revoke or suspend this licence without notice if he is satisfied that the holder of the licence has conducted himself in a manner inconsistent with these regulations.
4. The holder of a licence shall be required to reapply to the licensing Authority in the case of movement from one Organization to another within 21 days

Form 10

REPUBLIC OF SIERRA LEONE
Regulation 22(2)
MINISTRY OF AGRICULTURE, FORESTRY AND
FOOD SECURITY
(To be completed in triplicate)
THE SEEDS REGULATIONS, 2018

APPLICATION FOR SEED TESTING LICENCE

To: The Director,
Sierra Leone Seed Certification Agency
Freetown.

Applicant's name and address:

SPECIFICATIONS

Name and address of premises:

Species to tested:

Type of seed testing equipment (Please attach list).

Date

Applicant

FOR OFFICIAL USE ONLY

Application received:..... Fee paid.....

Approved for the period..... to

Not approved for reasons.....

LICENCE No.

Date

Controller of Seeds

REPUBLIC OF SIERRA LEONE

Regulation 22(1)

MINISTRY OF AGRICULTURE, FORESTRY AND
FOOD SECURITY

(To be completed in triplicate)

THE SEEDS REGULATIONS, 2018

SEED TESTING LICENCE

(Regulation 15 (1))

LICENCE No.

A Seed Testing Licence is hereby granted to (name and address):

.....

of (name and address of premises):

.....

for the periodto.....

This licence is issued subject to the conditions laid out overleaf.

Date

Controller of Seeds

CONDITIONS

A licensed seed testing station shall -

- (a) be housed in premises approved by the Controller of Seeds and shall be equipped in accordance with requirements specified. No change shall be made without prior approval of the Controller of Seeds to the accommodation, equipment of the station, except replacement of consumable stores.

- (b) be in charge of a licensed seed analyst.
- (c) record the results of the seed test on a certificate in Form 17 set out in the Seventh Schedule.
- (d) make available to the certifying agency every sample tested for random sampling as specified in the International Seed Testing Association rules.
- (e) state in the certificate whether the seeds are marketable and the category of the seeds.
- (f) make records available for inspection by the Sierra Leone Seed Certification Agency at all reasonable times.
- (g) be subject to supervision by the Sierra Leone Seed Certification Agency and shall at all times maintain a level of performance satisfactory to the Controller of Seeds in the tests which it undertakes.

REPUBLIC OF SIERRA LEONE
 MINISTRY OF AGRICULTURE, FORESTRY AND
 FOOD SECURITY
 (To be completed in triplicate)
 THE SEEDS REGULATIONS, 2018

Regulation 23(2)

APPLICATION FOR SEED PROCESSING LICENCE

To: The Director,
 Sierra Leone Seed Certification Agency
 Freetown

Applicant's name and address:.....

SPECIFICATIONS

Name and address of premises:

Type of drying facilities:

Type of cleaning facilities:

Type of dressing and packaging facilities:

Type of storage facilities:.....

Remarks:.....

Date:..... Signature:.....

FOR OFFICIAL USE ONLY

Application received..... Fee paid

Approved for the period to

Not approved for reasons

Inspected by: Date:.....

LICENCE No.

Date

Controller of Seeds

Form 13

REPUBLIC OF SIERRA LEONE

Regulation 23(1)

MINISTRY OF AGRICULTURE, FORESTRY AND
FOOD SECURITY

(To be completed in triplicate)

THE SEEDS REGULATIONS, 2018
PROCESSING LICENCE

LICENCE No:

Name and address of seed processor:.....

Seed Processing License of the following crop(s):

Licence is granted to you for processing of seeds at (name and address
premises)

The period: to

This licence is issued subject conditions specified below:

Controller of Seeds

CONDITIONS

Offer the machinery in the processing plant regularly for inspections.

Display this licence at the place of processing of seed.

This licence is valid for twelve months.

The Controller of Seeds or his representative shall have access to the processing
premises at all times.The Controller of Seeds may revoke or suspend this licence without notice if he
is satisfied that the conditions for the licence have not been met.

REPUBLIC OF SIERRA LEONE
Regulation 24(2)
Ref.

MINISTRY OF AGRICULTURE, FORESTRY AND
FOOD SECURITY

(To be completed in triplicate)

THE SEEDS REGULATIONS, 2018

APPLICATION FOR SEED SELLER'S LICENCE

To: The Director,
Sierra Leone Seed Certification Agency
Freetown

Applicant's name and address:.....

I hereby apply for a Seed Seller's Licence of the following class(es) (delete what not applicable):

(a) General (b) Limited (c) Restricted (d) Unrestricted

Name and address of premises:

Species to be sold:

Type of storage facilities:

Date: Signature:.....

FOR OFFICIAL USE ONLY

Application received: Fee paid

Approved for the period to.....

Not approved for reasons.....

LICENCE No.....

.....
Date

.....
Controller of Seeds

Form 15

Regulation 24(1)

REPUBLIC OF SIERRA LEONE
MINISTRY OF AGRICULTURE, FORESTRY AND
FOOD SECURITY

(To be completed in triplicate)
THE SEEDS REGULATIONS, 2018
SEED SELLER'S LICENCE
LICENCE No:

Name and address of seed seller:

Seed Seller's Licence of the following class(es):

hereby granted to you for sale of seeds at (name and address of premises):

for the period to

This Licence is issued subject conditions specified below:

.....
Controller of Seeds

CONDITIONS

Offer the seed for retest before the expiry date of the current certification.

Store seed in a clean, cool and dry place.

Display this licence at the place of sale of seed.

Licence is valid for twelve months.

The Controller of Seeds or his representative shall have access to the trading premises at all times.

The Controller of Seeds may revoke or suspend this licence without notice if he is satisfied that the conditions for the licence have not been met.

REPUBLIC OF SIERRA LEONE
Regulation 11
MINISTRY OF AGRICULTURE, FORESTRY AND
FOOD SECURITY
(To be completed in triplicate)
THE SEEDS REGULATIONS, 2018
SAMPLING AND SEALING REPORT

REPORT No:

Applicant's name and address:

Crop registration No:

Crop certification No:

Species: Cultivar:

Intended seed class:

Lot No: Weight of Lot: kg.

Number and size of containers

Tests required:

Sampling Remarks:

Sealing Remarks:

Date:

Signature of Applicant or Representative

Signature of

Sampler's No.

REPUBLIC OF SIERRA LEONE

Regulation 13(2)(g)

MINISTRY OF AGRICULTURE, FORESTRY AND FOOD SECURITY

(To be completed in triplicate)

THE SEEDS REGULATIONS, 2018

SEED ANALYSIS CERTIFICATE
SIERRA LEONE SEED CERTIFICATION AGENCY

SPECIES:		CULTIVAR:	
		CLASS:	
TEST NO:	DATE RECEIVED:	DATE SAMPLED:	
LOT NO:	ORIGIN:	WEIGHT OF LOT: KGS	

NAME AND ADDRESS OF APPLICANT:

PURITY, % WEIGHT				GERMINATION, % NUMBER				GERMINATION CAPACITY, %
Test	Inert	Other	Weed	Normal	Hard	Fresh	Abnormal	Dead
matter	crop seed	seeds	seedlings	Seeds	seeds	Seedlings	seeds	

Kind of inert matter:

Species of other seeds:

Species of weed seeds:

NUMBER DETERMINATION: Total number of weeds per Kg.....

Other crop seeds:

Weed seeds:

Moisture Content, %

Cultivar Purity, %

OTHER DETERMINATIONS

Remarks:

Date Reported.....

.....
For Controller of Seeds

Form 18

REPUBLIC OF SIERRA LEONE

Regulation 8(2)

MINISTRY OF AGRICULTURE, FORESTRY AND FOOD SECURITY

(To be completed in triplicate)

THE SEEDS REGULATIONS, 2018

CONTROL GROWING REPORT

REPORT No.

TESTS RESULTS

70

Diseased plants:

Cultivar

Purity.....

Remarks:.....

.....
Date

.....
For/ Controller of Seeds

Form 19

REPUBLIC OF SIERRA LEONE
MINISTRY OF AGRICULTURE, FORESTRY AND FOOD SECURITY
THE SEEDS REGULATIONS, 2018
NOTICE TO IMPORT SEED
(Regulation 28 (b))

Official Business Address: _____

REFERENCES

.....

.....

Quantity to be imported: (in words)

Country of origin:Exporting Company (Name and Address):

ing of variety in Sierra Leone: Released:..... Not released....Pre Released....Others

Field marks of the seed lot:

Copy of seed certificate(s) to be enclosed):.....

.....

Cost for the importation:

Estimated date for the importation (please specify):

Please note that the following conditions apply to this notice:

Import Permit Shall Be Given Before The Seed Arrives In The Country

Must Be Accompanied With A Phytosanitary Certificate

Must Be Accompanied With An International Seed Testing Association
Certificate

4. Sierra Leone Seed Certification Agency Shall Be Notified Before Seed Is Distributed
5. Sierra Leone Seed Certification Agency Shall Draw A Seed Sample For Test And Reference Purposes
6. This Notice to Import Seed Is For A Single Entry Only

Date: Signature of Applicant:

Notification received: Fees paid:

Notification approved/rejected: Notification No.

Date: Signature (Controller of Seeds):

Form 20

REPUBLIC OF SIERRA LEONE

Regulation 30 (1) (a) (i)

MINISTRY OF AGRICULTURE, FORESTRY AND FOOD SECURITY
 THE SEEDS REGULATIONS, 2018
 APPLICATION FOR NATIONAL VARIETY RELEASE TRIALS
 (Pre-release; including DUS testing)

To: The Secretary, Variety Release and Registration Committee,
 C/O Sierra Leone Seed Certification Agency

From:

1. Name & Address of Applicant:

.....

2. Species:

3. Preliminary designation:

4. Parentage:

5. Genetic origin, breeding methods etc. :

6. Maturity group (early, medium, Late):

7. Grain type (dent, semi dent, flint, colour, etc):

8. Type of release* (general, specific i.e.):

9. Quantity of seed submitted (seed over leaf):

10. Botanical characteristics. Detailed information.

11. Date sample submitted:

FOR OFFICIAL USE ONLY

Date application received:

Date seed sample received:

Date Fee received/paid:

REPUBLIC OF SIERRA LEONE

Regulation 33

MINISTRY OF AGRICULTURE, FORESTRY AND FOOD SECURITY
THE SEEDS REGULATIONS, 2018
APPLICATION FOR VARIETY RELEASE

To: The Secretary,
Variety Release and Registration Committee,
Sierra Leone Seed Certification Agency
Freetown.
Tel:
E-mail.....

1. Name & Address of applicant:
2. Breeder (Institution, Country):
3. Representative:
4. Species:
5. Preliminary designation/Code name:
6. Proposed variety name:
7. Parentage:
8. Genetic origin, breeding methods etc:
9. Country of origin:
10. Is the variety released in any country? If yes state country and year of release:
11. Reason(s) for application:
12. Distinctness, Uniformity, Stability test results from Sierra Leone Seed Certification Agency / Sierra Leone Agricultural Research Institute

13. National Variety Release Trials results from Sierra Leone Seed Certification Agency / Sierra Leone Agricultural Research Institute.

14. Any other information that may support your application

Date:

Signature:

Note: 1. Submit 8 copies each application

FOR OFFICIAL USE ONLY

Date application received:

REPUBLIC OF SIERRA LEONE

Regulations 17(8), 24(e)

MINISTRY OF AGRICULTURE, FORESTRY AND FOOD SECURITY
 THE SEEDS REGULATIONS, 2018
 SEED WAREHOUSE/SLABS INSPECTION REPORT

Name of applicant.....

Telephone number.....

Name of premises.....

Physical address:.....

INSPECTION RESULTS (Warehouse Conditions)

Roof/Walls:	Ok	Not ok
Floor/Slab:	Ok	Not ok
Ventilation:	Ok	Not ok
Storage facilities:	Ok	Not ok
General Remarks		

OVERALL DECISION/ACTION

Premises: License withdrawn License suspended
 Approved for licensing Not approved for licensing.....

Seeds stocked: Detained/confiscated Recommended for destruction.....
 Recommended for re- testing

Date

Signature of Authorized Representative

Signature of Inspector

REPUBLIC OF SIERRA LEONE

Regulation 2011

MINISTRY OF AGRICULTURE, FORESTRY AND FOOD SECURITY
THE SEEDS REGULATIONS, 2011
NOTICE TO EXPORT SEED

Applicant:

Physical Business Address:

SPECIFICATIONS

Species:

Cultivar:

Quantity to be exported: (in words)

Country of final destination:

Address:

Status of variety in Sierra Leone: Released..... Not released.....
(specify).....

Official marks of the seed lot:

Quality of seed (copy of seed certificates(s) to be enclosed)

Point of exist:

Expected date for the exportation (please specify):

Date:..... Signature of Applicant:

FOR OFFICIAL USE ONLY

Notification received: Fee paid

Notification approved/rejected..... Notification fee

Date: Signature (Name and Title)



EIGHTH SCHEDULE

Regulation 7(5)

MAXIMUM SEED LOT SIZES

CROP	MAXIMUM SEED LOT SIZE	5% TOLERANCE
Maize	40,000 kg	42,000 kg
Cereal seed and seed larger than cereal seed (e.g. groundnuts, rice, Soyabeans, sorghum, etc.)	30,000 kg	31,500 kg
Seed the size of cereal seed (other than cereal seed) e.g. pigeon peas, cowpeas.	20,000 kg	21,000 kg
Seed smaller than cereal seed (e.g. onion, watermelon, tomato, etc.)	10,000 kg	10,500 kg

Made this day of 2020

DENNIS K. VANDI
Minister of Agriculture