

PLANT VARIETY AND SEEDS REGULATIONS [ARRANGEMENT OF REGULATIONS]

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SECTIONS 35 AND 84 PLANT VARIETY AND SEEDS REGULATIONS

*Statutory
Instrument
67 of 1988
157 of 1989
Act No.
13 of 1994
21 of 1995*

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

Title

2. In these Regulations unless the context otherwise requires-

Interpretation

"Certifying Authority" means the authority established by section *three* of the Act;

"control growing" means the growing of plants under tests to determine the cultivar purity and disease infection;

"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;

"field inspection" means an inspection of a seed field and includes the checking of isolation, hectarage, off-types and weeding usually as part of a seed certification programme;

"germination capacity" means the percentage by number of seeds which, in the course of a germination test, have produced normal seedlings;

"isolation" means the required distance between two crops of the same species or between two crops of too closely related species to prevent contamination either mechanically or by pollination;

"I.S.T.A." means the International Seed Testing Association;

"noxious weed" means weed species declared noxious by the Noxious Weeds Act; Cap. 231

"off-type plant" means a plant which does not exhibit the recognised and accepted habits and characteristics of the cultivar being grown;

"purity" means the percentage by weight of pure seed as determined by purity analysis;

"seed certification" means a system for quality control of seed multiplication and production;

"seed class" means a stage in a seed multiplication system well defined in respect of parent seed, standard of cultivation and seed quality;

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

"S.C.C.I." means the Seed Control and Certification Institute of Zambia;

"variety" means cultivar;

"weed plant" is any plant which is not of the same species as the crop being grown, and which is generally considered as a weed.

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|---|---|
| <p>3. The seeds set out in the First Schedule shall be prescribed seed for the purposes of the Act.</p> | <p>Prescribed seeds</p> |
| <p>4. The Seed Control and Certification Institute of Zambia established under section <i>seventeen</i> is an official seed-testing station.</p> | <p>The Seed Control and Certification Institute of Zambia</p> |
| <p>5. (1) No seed shall be offered for sale unless it has been certified or it has had its quality declared under regulation 7.</p> | <p>Sale of Seed</p> |

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

6. (1) No seed shall be certified unless it has been produced inspected, sampled, tested and complies with the standards set out in the Fourth Schedule. Certification of seed

(2) Seed shall be certified in six classes as set out in the Third Schedule:

Provided that a seed lot may be down-graded on the request of the applicant.

(3) Only cultivars which have been approved by the Certifying Authority shall be eligible for certification.

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

(5) Breeders shall maintain the standards of cultivars approved under sub-regulation (3).

7. Seeds whose quality conforms to the standards set out in the Fifth Schedule shall have its quality declared as such. Declaration of seed quality

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

(2) Each application shall be accompanied by the appropriate fee and shall refer to the growing of one crop 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 registration as a registered seed grower, the Certifying Authority

shall furnish to the applicant a certificate of registration in Form 2 set out in the Seventh Schedule, which certificate shall specify the conditions with regard to the growing of the registered seed crop.

(5) Unless the Certifying Authority 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 hectareage by more than ten per cent, any excess over this amount shall be destroyed without compensation, immediately on the request of an authorised seed inspector.

(7) The Certifying Authority shall keep a register of registered seed growers.

(8) The 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 Certifying Authority in this respect.

9. (1) Field inspection for the purpose of certification shall be conducted by persons authorised by the Certifying Authority to be seed inspectors.

Field inspection

(2) 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 disease as to render the crop unfit for seed or make inspection impracticable; or

(b) the isolation distance or the standards relating to off-types and other cultivars, prescribed in the Fourth Schedule have not been complied with; or

(c) for hybrids of maize, sorghum and sunflower there are more than three pollinating females per thousand plants;

(d) the crop exceeds the approved and registered hectareage by more

than ten per cent.

(3) For the purpose of certification an inspector shall conduct at least three field inspections per crop.

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

10. (1) No person shall process seeds without a licence to process seed in Form 5 of the Seventh Schedule issued by the Certifying Authority. Licence for seed processing

(2) An application for a licence to process seed shall be made in Form 4 of the Seventh Schedule and shall be accompanied by the appropriate fee.

(3) The Certifying Authority shall issue a licence to process seed if he is satisfied that the applicant has the ability and the appropriate processing facilities to produce quality seed.

(4) A licence to process seed shall-

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

(b) be valid for thirty-six months.

(5) The Certifying Authority shall maintain a register of holders of licences to process seed.

(6) The Certifying Authority may enter and inspect any processing premises.

11. (1) No person shall sell seeds without a seed seller's licence issued by the Certifying Authority in Form 7 set out in the Seventh Schedule. Seed seller's licence

(2) An application for a seed seller's licence shall be made in Form 6 set

out in the Seventh Schedule and shall be accompanied by the appropriate fee.

(3) The Certifying Authority shall issue a seed seller's licence if he is satisfied that the applicant has the ability, knowledge and appropriate facilities to maintain the quality and viability of the seeds to be exposed for sale.

(4) A seed seller's licence shall-

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

(a) be valid for thirty-six months; the Certifying Authority may, however, limit the validity of such licence for any period less than thirty-six months but not less than six months, if it thinks it necessary.

(5) The Certifying Authority shall maintain a register of holders of seed sellers licence.

(6) The Certifying Authority may enter and inspect any premises where seeds are kept for sale.

12. (1) The sampling of seed lots shall be conducted in accordance with current I.S.T.A. rules.

Sampling of seeds

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

(3) The applicant shall provide reliable scales for checking the weight of a seed lot.

(4) The seeds inspector or authorised officer who conducts the sampling shall submit a report of his sampling in Form 8 set out in the Seventh Schedule which report shall be counter-signed by the applicant or his representative.

(5) A seed lot which has been sampled in accordance with this regulation may be moved from one place to another.

13. The official seed testers shall-

Testing of seed

- (a) test seeds in accordance with I.S.T.A. rules for seed testing on payment of the appropriate fee by the applicant;
- (b) record the results of the seed test on a certificate in Form 9 set out in the Seventh Schedule;
- (c) state in the certificate whether the seeds are marketable and the category of the seeds.

14. (1) Seed lots which have been sampled and tested under these Regulations shall be control grown in accordance with instructions issued by the S.C.C.I.

Control growing

(2) The S.C.C.I. shall submit a report on each control growing carried out under these Regulations in Form 10 set out in the Seventh Schedule.

15. (1) Certified seed lots shall be packed in bags, securely closed, sealed by a seed inspector and labelled with a certification label.

Packing and labelling of seeds

(2) The certification label referred to in sub-regulation (1) shall state-

- (a) the seed class;
- (b) certification number;
- (c) the species and cultivar of seed;
- (d) lot number;
- (e) purity (% by weight);
- (f) germination capacity (% by number);

(g) expiry date; and

(h) warning text in case the seed lot is treated.

(3) The inspector who sealed the bags shall submit a report of the sealing in Form 11 set out in the Seventh Schedule.

(4) Where certified seed lots have to be re-packed, the repacking shall be done only with the approval of the S.C.C.I. and under S.C.C.I.'s supervision.

(5) The seller of seed whose quality has been declared under these Regulations shall label each package of seed being offered for sale and such label shall state the species, cultivar, purity (percentage by weight), germination capacity (percentage by number) and period of validity of the declaration.

16. (1) Unless cancelled earlier, the validity of a certification-

Validity of
certification and
quality
declaration

(a) for cereals, pulses, oil crops, fibre crops and root crops shall be nine months;

(b) for herbage grasses and legumes, vegetables and stimulant crops, shall be twelve months;

from the date of completion of testing the seeds.

(2) Unless cancelled earlier, a declaration of quality for all kinds of species of seed shall be valid for twelve months from the date of completion of testing the seeds.

17. (1) No person shall import seeds for sale-

Importation of
seed

(a) without a valid seed seller's licence;

(b) a notice to import the seeds has been submitted in Form 12 set out in the Seventh Schedule and has been approved by the Certifying Authority;

(c) if the seeds do not comply with the minimum standards set out in the Fifth Schedule.

(2) A notice to import seed shall refer to one specific quantity of seed of a given species and cultivar.

(3) The importer of seed shall on request supply S.C.C.I. with samples of the imported seed for checking its quality.

(4) The Certifying Authority may-

(a) regulate the certification of imported seed lots according to the certification scheme of Zambia;

(b) restrict the importation of any species and cultivar of seeds.

18. Any person aggrieved by any decision made under these Regulations by-

Appeals

(a) an inspector or duly authorised officer may appeal to the Certifying Authority;

(b) the Certifying Authority may appeal to the Minister.

19. The fees prescribed in the Sixth Schedule shall be payable in respect of the matters set out therein.

Fees

FIRST SCHEDULE

(Regulation 3)

PRESCRIBED SEEDS

CEREALS:

Barley	<i>Hordeum vulgare</i> L.
Finger millet.....	<i>Eleusine coracana</i> (L.)
Gaertn.	
Maize.....	<i>Zea mays</i> . L.
Oats	<i>Avena sativa</i> L.
Pearl millet.....	<i>Pennisetum glaucum</i> (L.)
R.Br.	
Rice	<i>Oryza sativa</i> L.
Rye	<i>Secale cereale</i> L.
Sorghum.....	<i>Sorghum bicolor</i> (L.) Moench
Triticale.....	X <i>Triticosecale</i> Wittm.
Wheat	<i>Triticum spp.</i>

PULSES:

Beans.....	<i>Phaseolus vulgaris</i> L.
Broad bean	<i>Vicia faba</i> L.
Chick pea	<i>Cicer arietinum</i> L.
Cowpea	<i>Vigna unguiculata</i> (L.) Walp.
Dolichos bean.....	<i>Dolichos lablab</i> L.
Pea.....	<i>Pisum sativum</i> L.
Soya bean	<i>Glycine max</i> (L.) Merr.
Velvet bean	<i>Mucuna deeringiana</i> (Bort)
Merr	
Common vetch.....	<i>Vicia sativa</i> L.

OIL CROPS:

Castor bean.....	<i>Ricinus communis</i> L.
Ground-nut.....	<i>Arachis hypogaea</i> L.
Linseed.....	<i>Linum usitatissimum</i> L.
Oilseed rape	<i>Brassica napus</i> L. var.
<i>oleifera</i> Metzg.	
Safflower.....	<i>Carthamus tinctorius</i> L.
Sesame	<i>Sesamum indicum</i> L.
Sunflower.....	<i>Helianthus annuus</i> L.

FIBRE CROPS:

Cotton.....	<i>Gossypium spp.</i>
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Flax
Kenaf.....

Linum usitatissimum L.
Hibiscus cannabinus L.

ROOT CROPS:

Beet
Swede.....
napobrassica
.....

Beta vulgaris L.
Brassica napus L. var.

(L.) Reichb

Turnip.....
Metzg.

Brassica rapa L. var. *rapifera*

HERBAGE GRASSES:

Buffel grass
Guinea grass.....
Paspalum grass.....
Rhodes grass
Ryegrass.....
Setaria grass
Stapf
.....

Cenchrus ciliaris L.
Panicum maximum Jacq.
Paspalum spp.
Chloris gayana Kunth
Lolium spp.
Setaria sphacelata (Schum.)

Weeping lovegrass.....
Nees

et C. E. Hubb.
Eragrostis curvula (Schrader)

HERBAGE LEGUMES:

Centro.....
Clover.....
Glycine.....
Greenleaf.....
Urban.
Leucaena
(Lam.) *de Wit.*
Lucerne
Silverleaf.....
DC
Siratro.....
(DC)
.....
Stylo
bl.) Sw.
Sunnhemp

Centrosema pubescens Benth..
Trifolium spp.
Glycine javanica L.
Desmodium intortum (Miller)

Leucaena leucocephala

Medicago sativa L.
Desmodium uncinatum (Jacq.)

Macroptilium atropurpureum

Urban.
Stylosanthes guianensis (Au

Crotalaria juncea L.

VEGETABLES:

Amaranth.....
Beet
Brussels sprouts
oleracea

Amaranthus spp.
Beta vulgaris L.
Brassica oleracea L. convar.

.....	<i>var. gemnifera</i> DC.
Beans.....	<i>Phaseolus vulgaris</i> L.
Cabbage.....	<i>Brassica oleracea</i> L. var.
<i>capitata</i> L.	
Carrot.....	<i>Daucus carota</i> L.
Cauliflower.....	<i>Brassica oleracea</i> L. convar
<i>botrytis</i>	
.....	(L) <i>Alef. var. botrytis</i>
Celery.....	<i>Apium graveolens</i> L.
Chinese cabbage.....	<i>Brassica chinensis</i> L.
Cucumber.....	<i>Cucumis sativus</i> L.
Dill.....	<i>Anethum graveolens</i> L.
Eggplant.....	<i>Solanum melongena</i> L.
Endive.....	<i>Cichorium endivia</i> L.
Kale.....	<i>Brassica oleracea</i> L. var.
<i>acephala</i>	
.....	DC.
Leek.....	<i>Allium porrum</i> L.
Lettuce.....	<i>Lactuca sativa</i> L.
Muskmelon.....	<i>Cucumis melo</i> L.
Okra.....	<i>Hibiscus esculentus</i> L.
Onion.....	<i>Allium cepa</i> L.
Parsley.....	<i>Petroselinum crispum</i> (Miller)
<i>Nyman</i>	
.....	ex A. W. Hill.
Parsnip.....	<i>Pastinaca sativa</i> L.
Pea.....	<i>Pisum sativum</i> L. <i>sensu lato</i> .
Pepper.....	<i>Capsicum spp.</i>
Pumpkin.....	<i>Cucurbita pepo</i> L.
Radish.....	<i>Raphanus sativus</i> L. var.
<i>radicula</i> Pers.	
Rape.....	<i>Brassica napus</i> L.
Spinach.....	<i>Spinacea oleracea</i> L.
Sprouting broccoli.....	<i>Brassica oleracea</i> L. convar
<i>botrytis</i>	
.....	(L.) <i>Alef var. cymosa</i> Duch.
Squash.....	<i>Cucurbita moschata</i> (Duch)
<i>Duch ex.</i>	
.....	<i>Poir.</i>
Tomato.....	<i>Lycopersicon esculentum</i> P.
Mill.	
Turnip.....	<i>Brassica rapa</i> L. var. <i>rapifera</i>
<i>Metzg.</i>	
Water melon.....	<i>Citrullus lanatus</i> (Thumb.)
<i>Matsum et</i>	
.....	<i>Nahai</i>

STIMULANT CROPS:

Tobacco..... *Nicotiana tobacum* L.

NOTE-For potato-*Solanum tuberosum*-see *The Agriculture (Potato Seed) Regulations, 1984, (S.I. No. 133 of 1984).*

SECOND SCHEDULE

(Regulation 5)

SEED FOR COMPULSORY CERTIFICATION

SPECIES:

CEREALS:

Maize

Sorghum

Wheat

PULSES:

Soyabean

OIL CROPS:

Sunflower

THIRD SCHEDULE

(Regulation 6 (2))

SEED CERTIFICATION SCHEME

<i>Code</i>	<i>Class</i>	<i>Parent seed</i>	<i>Colour of label</i>
A	Pre-basic Seed	Produced from the breeder's parent material under control of the breeder and supervision of the S.C.C.I. More than one generation may be allowed by the Controller of Seeds	Violet stripe on white
B	Basic Seed	Produced from pre-basic seed and officially inspected Only one generation permitted	White
C1	Certified Seed, 1st generation officially	Produced from basic seed and	Blue stripe inspected on white
C2 and	Certified Seed, 2nd generation white	Produced from certified seed, 1st generation officially inspected	Red stripe on generation (or higher class)
C3 and	Certified Seed, 3rd generation on white	Produced from certified seed, 2nd generation officially inspected	Red stripe generation (or higher class)
D and	Certified Seed, 4th generation on white	Produced from certified seed, 3rd generation officially inspected	Green stripe generation (or higher class)
E	Emergency class	Only used when a serious shortage of seed (for certification) of essential crops occurs. The standards will be set by the Controller of Seeds	Red label

TH SCHEDULE

1))

STANDARDS FOR ZAMBIA CERTIFIED SEED

A. FIELD INSPECTION

<i>Species</i> <i>Off types and or cultivars</i>	<i>Isolation, metres (minimum)</i>					
	A	B	C1	C2-C3	D	A
CEREALS:						I. Maximu
m number per 10 square metres						
Barley	10	10	5	5	5	5
Oats	10	10	5	5	5	5
Rice	10	10	5	5	5	5
Rye	400	400	200	200	200	10
Triticale	20	20	10	10	10	10
Wheat	10	10	5	5	5	5
						II. Maximu
m number per 1 000 plants (heads)						
Finger millet.....	50	50	25	10	2	2
Maize.....	400	400	200	200	1	1
Pearl millet.....	400	300	200	200	5	5
Sorghum.....	400	400	400	300	200	2
PULSES:						I. Maximu
m number per 10 square metres						
Common vetch .	100	100	50	50	25	1
Soya bean.....	10	10	5	5	5	1
Pea.....	100	100	50	50	50	1
						II. Maximu
m number per 1000 plants (heads)						
Beans.....	50	50	25	25	10	1
Broad bean	200	200	100	100	50	1
Cow pea	10	10	5	5	5	1
OIL CROPS						II.

						Maximu
m number per 1000 plants (heads)						
Castor bean.....	50	50	25	25	25	1
Groundnut	200	200	100	100	50	1
Oilseed rape	1000	1000	600	400	200	2
Sunflower	2000	2000	1500	1000	1000	10

FIBRE CROPS:

Maximum number per 1000 plants (heads)

Cotton.....	400	400	200	200	100	1
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II.

I.

Maximu

m number per 10 square metres

Flax	20	20	10	10	10	5
Kenaf.....	600	600	300	300	200	1

ROOT CROPS:

II.

Maximu

m number per 1000 plants (heads)

Beet	2 000	2 000	1 500	1 000	1 000	1
Swede.....	1 000	1 000	600	400	200	1
Turnip.....	1 000	1 000	600	400	200	1

HERBAGE GRASSES:

I.

Maximu

m number per 10 square metres

Buffel grass	200	200	100	100	50	1
Guinea grass.....	50	50	25	10	5	1
Rhodes grass	200	200	100	100	50	1
Rye grass.....	400	400	200	200	200	1
Weeping lovegrass	50	50	25	10	5	1

HERBAGE LEGUMES:

Glycine.....	300	300	200	200	100	1
Siratro.....	200	200	100	100	50	1
Stylo	200	200	100	100	50	1

II.

Maximu

m number per 1000 plants (heads)

Clover.....	400	400	300	300	200	1
Lucerne	400	400	300	300	200	1

VEGETABLES:

I.

Maximu

m number per 10 square metres

Pea.....	100	100	50	50	25	1
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II.
Maximu

m number per 1000 plants (heads)

Beet	2 000	2 000	1 500	1 500	1 000	1
Cabbage.....	1 000	1 000	600	400	200	2
Carrot	1 000	1 000	750	500	250	5
Cauliflower	1 000	1 000	600	400	200	2
Kale.....	1 000	1 000	600	400	200	2
Leek.....	1 500	1 500	1 000	600	400	5
Lettuce.....	100	100	50	25	25	2
Onion.....	1 500	1 000	800	600	400	5
Pepper	200	200	100	50	50	1
Pumpkin	1 000	1 000	800	600	400	2
Rape	1 000	1 000	600	400	200	2
Tomato.....	100	100	50	50	25	2
Water melon.....	1 000	1 000	800	600	400	1
STIMULANT CROPS:						
Tobacco.....	500	500	400	400	300	2

Classes with respect to the analysis figures concerning purity, germination capacity, weed seeds and moisture

Dry weight	Germination Capacity				Weed Seeds (excluding noxious weeds) Number				%
	A-B	C1-C3	D	A	B	C1-C3	D	A-D	
98.5	95	90	90	1	2	5	10	11.0	
98.0	80	80	75	125	250	500	1 000	11.0	
99.0	90	90	90	1	2	5	10	13.5	
98.5	90	85	85	1	2	5	10	11.0	
98.5	80	80	75	250	500	750	1 000	11.0	
98.0	85	85	80	1	2	5	10	11.0	
98.5	85	85	80	1	2	5	10	11.0	
98.0	80	80	75	50	100	200	300	11.0	
98.0	90	85	80	1	2	5	10	11.0	
97.0	90	85	80	1	2	5	10	11.0	
98.5	80	75	75	1	2	5	10	14.0	
98.5	80	75	75	1	2	5	10	14.0	
98.0	80	75	75	1	2	5	10	14.0	
98.0	80	75	75	1	2	5	10	14.0	
98.0	80	75	75	1	2	5	10	14.0	
97.5	80	75	70	1	2	5	10	14.0	
98.0	80	75	75	1	2	5	10	14.0	
97.0	85	80	80	1	2	5	10	14.0	
98.0	85	80	80	250	250	500	1 000	10.0	
97.5	90	85	85	5	10	50	100	12.0	
98.0	80	75	75	5	10	25	50	10.0	
98.0	85	80	80	25	25	50	100	10.0	
98.0	80	75	75	50	100	100	200	10.0	
98.0	85	80	80	25	25	50	100	10.0	
98.0	85	80	80	200	200	250	500	10.0	
98.0	85	80	80	250	250	500	1000	10.0	

60.0	70	60	60	250	500	1 000	2 000	10.0
60.0	70	60	50	250	500	1 000	2 000	10.0
60.0	70	60	50	250	500	1 000	2 000	10.0
97.5	90	85	80	250	500	750	1 000	10.0
80.0	90	85	80	250	500	1 000	2 000	10.0
97.5	80	80	75	100	100	200	300	10.0
97.0	80	75	70	100	100	200	300	10.0
98.0	80	80	75	200	200	250	500	10.0
98.0	90	85	80	200	200	250	500	10.0
98.0	75	70	65	200	200	250	500	10.0
98.0	85	80	80	25	25	50	100	10.0
98.0	85	80	80	25	25	50	100	8.0
97.0	75	75	70	250	500	1000	2 000	8.0
98.0	85	80	80	25	25	50	100	8.0
98.0	85	80	80	25	25	50	100	8.0
98.5	80	75	75	25	25	50	100	8.0
97.5	80	75	75	50	50	100	200	7.0
98.5	75	70	70	25	25	50	100	8.0
98.0	80	75	75	1	2	5	10	14.0
98.0	75	70	70	25	25	50	100	8.0
98.0	80	75	75	25	25	50	100	8.0
98.0	85	80	80	250	250	500	1 000	7.0
98.5	85	85	80	1	2	5	10	8.0
98.0	80	75	75	25	25	50	100	8.0
98.5	90	90	85	50	50	100	200	8.0

germinable:

ereals; pulses and herbage legumes.

3.II. QUALITY REQUIREMENTS FOR PURITY OF CULTIVAR IN LABORATORY TESTING

II. QUALITY REQUIREMENTS FOR PURITY OF CULTIVAR IN LABORATORY TESTING

A. MAXIMUM NUMBER (PER CENT) SEEDS OF FOREIGN CULTIVARS

<i>Species</i>	<i>Certification Classes</i>				
	A	B	C1	C2-C3	D
CEREALS:					
Barley	0.1	0.1	0.3	1.0	2
Maize.....	0.1	0.1	0.3	1.0	2
Rice	0.5	0.5	1.0	1.5	2
Sorghum.....	0.1	0.1	0.3	0.5	1
Wheat	0.1	0.1	0.3	1.0	2
PULSES:					
Broad bean	0.1	0.1	0.2	0.2	1
Cow pea	0.1	0.1	0.2	0.2	1
Pea.....	0.1	0.1	0.3	1.0	2
Soyabean.....	0.1	0.1	0.2	0.2	1
OIL CROPS:					
Groundnut	0.1	0.1	0.2	0.2	
Sunflower.....	1.0	1.0	2.0	2.0	3

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 mould or musty smell the seed cannot be considered to stand storage 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

<i>Species</i>	<i>Foreign cultivars including off-types, maximum permitted percentage by number</i>			
	A	B	C1	C2-C3
CEREALS:				
Barley	0.1	0.1	0.3	0.1
Finger millet.....	0.3	0.4	0.8	2.0

Maize.....	0.1	0.1	0.3	1.0
Oats	0.1	0.1	0.3	1.0
Pearl millet.....	0.3	0.3	0.6	2.0
Rice	0.1	0.1	0.3	1.0
Rye	0.3	0.3	0.6	2.0
Sorghum.....	0.3	0.4	0.8	2.0
Triticale.....	0.3	0.3	0.6	2.0
Wheat	0.1	0.1	0.3	1.0
PULSES:				
Beans.....	0.1	0.1	0.3	1.0
Broad bean	0.3	0.3	0.6	2.0
Cowpea	0.3	0.3	0.6	2.0
Pea.....	0.1	0.1	0.3	1.0
Soyabean.....	0.1	0.1	0.3	1.0
Common vetch.....	0.1	0.1	0.3	1.0
OIL CROPS:				
Castor bean.....	0.1	0.1	0.3	1.0
Groundnut	0.1	0.3	0.6	2.0
Oilseed rape	0.3	0.3	1.0	2.0
Sunflower.....	1.5	1.5	2.5	4.5
FIBRE CROPS:				
Cotton:.....	0.1	0.1	0.3	1.0
Flax	0.1	0.1	0.3	1.0
Kenaf.....	0.1	0.1	0.3	1.0
ROOT CROPS:				
Beet	0.1	0.1	0.3	1.0
Swede.....	0.3	0.3	1.0	2.0
Turnip.....	0.3	0.3	1.0	2.0
HERBAGE GRASSES:				
Buffel grass	0.3	0.3	1.0	2.0
Guinea grass.....	0.3	0.3	1.0	2.0
Rhodes grass	0.3	0.3	1.0	2.0
Rye grass.....	0.3	0.3	1.0	2.0
Weeping lovegrass.....	0.3	0.3	1.0	2.0
HERBAGE LEGUMES:				
Clover.....	0.1	0.1	0.3	1.0
Glycine.....	0.3	0.3	1.0	2.0
Lucerne	0.1	0.1	0.3	1.0
Siratro.....	0.3	0.3	1.0	2.0
Stylo	0.3	0.3	1.0	2.0
VEGETABLES:				
Beet	0.1	0.1	0.3	1.0
Cabbage.....	0.3	0.3	1.0	2.0

Carrot	0.2	0.2	0.4	1.5
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
LXttuce	0.1	0.1	0.3	1.0
Onion.....	0.3	0.3	1.0	2.0
Pea.....	0.1	0.1	0.3	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	0.1	0.1	0.3	1.0
Water melon.....	0.1	0.1	0.3	1.0
STIMULANT CROPS:				
Tobacco.....	0.3	0.3	1.0	2.0

NOTES:

In review of the frequency of disease infection the S.C.C.I. determines in every special case whether the seed lot can be approved in the respective classes or not.

FIFTH SCHEDULE

(Regulation 7)

MINIMUM STANDARD OF SEED QUALITY

<i>Species</i>	<i>Purity % by weight</i>	<i>Germination capacity % by number</i>
CEREALS:		
Barley	98.0	85
Finger millet.....	97.5	70
Oats	98.0	80
Pearl millet.....	97.5	70
Rice	97.0	75
Rye	98.0	80
Triticale.....	98.0	80
PULSES:		
Beans	98.0	70
Broad bean.....	98.0	70
Chick pea.....	97.0	70
Cowpea.....	98.0	75
Dolichos bean.....	98.0	70
Pea	98.0	75
Velvet bean.....	98.0	75
Common vetch	97.0	70
OIL CROPS:		
Castor bean.....	98.0	70
Ground-nut	96.0	75
Linseed	97.5	75
Oilseed rape.....	98.0	75
Safflower	96.0	75
Sesame.....	96.0	75
FIBRE CROPS:		
Cotton.....	97.5	70
Flax	97.5	75
Kenaf.....	98.0	75
ROOTS CROPS:		
Beet	97.5	75
Swede.....	98.0	75
Turnip.....	98.0	75

HERBAGE GRASSES:

Buffel grass	55.0	60 or PLSC 33%,
Guinea grass.....	50.0	50 or PLSC 33%,
Paspalum grass.....	50.0	50 or PLSC 25%
Rhodes grass	50.0	50 or PLSC 25%,
Rye grass.....	96.0	75
Setaria grass	60.0	60 or PLSC 36%,
Weeping lovegrass	80.0	80

HERBAGE LEGUMES:

Centro.....	98.0	55
Clover.....	97.0	70
Glycine.....	97.0	60
Greenleaf.....	95.0	70
Leucaena	95.0	70
Lucerne	98.0	70
Silverleaf.....	95.0	70
Siratiro.....	97.5	75
Stylo	97.0	65
Sunnhemp	98.0	75

VEGETABLES:

Amaranth.....	93.0	70
Beet	97.5	75
Brussel sprouts	98.0	75
Beans.....	98.0	75
Cabbage.....	98.0	75
Carrot	97.0	65
Cauliflower	98.0	75
Celery.....	96.0	60
Chinese cabbage.....	98.0	75
Cucumber.....	98.0	75
Dill	97.0	70
Eggplant	98.0	60
Endive	95.0	70
Kale	98.0	75
Leek.....	98.0	70
Lettuce.....	97.0	75
Muskmelon	98.0	75
Okra.....	96.0	55
Onion.....	98.0	65
Parsley.....	96.0	65
Parsnip.....	96.0	55
Pea.....	98.0	70
Pepper	98.0	65
Pumpkin	98.0	75

Radish	98.0	75
Rape	98.0	75
Spinach.....	96.0	65
Sprouting broccoli.....	98.0	75
Squash.....	98.0	75
Tomato	98.0	75
Turnip.....	98.0	75
Water melon.....	98.0	70
STIMULANT CROPS:		
Tobacco.....	98.0	80

APPENDIX

(Regulation 2)

SIXTH SCHEDULE

(Regulation 19)

PRESCRIBED FEES

REGISTRATION AS SEED GROWER:

	Fee units
Hybrids of maizo, sorghum and sunflower	19 per hectare
All other crops..	13 per hectare
Seed Processing License:	25 per annum
Seed Seller's License:	
A. General - Restricted wholesale	23 per annum
B. General - Restricted retail	23 per annum
C. General - Unrestricted	30 per annum
D. Limited - Restricted wholesale	10 per annum
E. Limited - Restricted retail	8 per annum
F. Limited - Unrestricted	15 per annum
Sampling of seeds	6 per bag (container)

TESTING OF SEEDS

	A. Determination of			Moisture content
	Purity	Weeds by Germination	number	
	K	K	K	K
Cereals	20.00	22.00	22.00	20.00
Pulses	20.00	22.00	22.00	20.00
Oil Crops	28.00	22.00	26.00	18.00
Fibre Crops	28.00	22.00	26.00	18.00
Root Crops	24.00	24.00	26.00	18.00
Herbage Crasses	28.00	28.00	26.00	18.00
Herbage Legumos	24.00	24.00	26.00	18.00

Vegetables	28.00	28.00	26.00	26.00
Stimulant Crops	28.00	28.00	26.00	20.00
Others	28.00	28.00	26.00	20.00

A. Miscellaneous Tests

	K
Seed health test	34.00
Verification of species	22.00
Verification of cultivars	
-Laboratory test.....	30.00
-Control growing.....	250.00
Weight per 1000 seeds	22.00
TZ-test.....	37.00
Others.....	37.00

C. Certificate

	K n
ISTA-Orange International Seed Lot Certificate	25.00 <i>per piece</i>
ISTA-Blue International Seed Sample Certificate.....	25.00 <i>per piece</i>
Sealing of seeds.....	2.50 <i>per bag (container)</i>
Notice to import seeds	20.00 <i>per piece</i>

NOTES:

Fees for registration as a seed grower includes necessary field inspections
19 fee units and for all other crops 13 fee units

(As amended by S.I. no. 176 of 1989 and Act No. 13 of 1994)

SEVENTH SCHEDULE

(Regulations 8, 10, 11, 12, 13, 14, 15 and 17)

PRESCRIBED FORMS

Form 1

REPUBLIC OF ZAMBIA

(To be completed in triplicate)

MINISTRY OF AGRICULTURE AND FOOD SECURITY

PLANT VARIETY AND SEEDS REGULATIONS

APPLICATION FOR REGISTRATION AS SEED GROWER

(Regulation 8)

To: S.C.C.I.,
P.O. Box 350199
Chilanga

Name and address of applicant

Name and address of farm

Species to be grown Cultivar

Parent seed:Class Certification No.

For hybrids:Male line..... Female line.....

Quantity.....kg Proposed hectarage

Proposed planting date.....

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

Season19.....19.....

Crop.

Cultivar

Comments

Date..... Signature

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

FOR OFFICIAL USE ONLY

Application received Fee paid
for.....hectares
Decision: Approval of.....(species).....(cultivar)
Production period Conditions imposed.....

Reg. No..... Date.....
.....

Certification Institute

For Seed Control and

Form 2

REPUBLIC OF ZAMBIA

MINISTRY OF AGRICULTURE AND FOOD SECURITY

PLANT VARIETY AND SEEDS REGULATIONS

CERTIFICATE OF REGISTRATION AS A SEED GROWER

(Regulation 8 (4))

Registration No.:.....

To(name)

of..... (address)

You are hereby registered as a seed grower to grow
hectares of..... (species).....(cultivar) on the
farm
for certification as..... seed class
parent seed
(specie, cultivar, cert. No.)

This registration is valid from..... 19..... to.....
.....19.....

The following conditions are imposed on this crop
.....
.....

Date..... ..

for Seed

Control and Certification Institute

Form 3

REPUBLIC OF ZAMBIA

MINISTRY OF AGRICULTURE AND FOOD SECURITY

PLANT VARIETY AND SEEDS REGULATIONS

FIELD INSPECTION REPORT No.:.....

(Regulation 9)

IDENTIFICATION:

Registration No

Crop

Cultivar Seed class

Parent seed, certification No.

Grower

Farm

INSPECTION:

Hectares..... Isolation.....Metres

Cultivar purity

.

Diseases

Other crop plants

Weed plants

Remarks

Date.....

.....
*Signature of Grower or his representative
of Inspector*

.....
Signature

Form 4

(To be completed in triplicate)

REPUBLIC OF ZAMBIA

MINISTRY OF AGRICULTURE AND FOOD SECURITY

PLANT VARIETY AND SEEDS REGULATIONS

APPLICATION FOR SEED PROCESSING LICENCE

(Regulation 10 (2))

Applicant

Address

SPECIFICATION

Address of premises

Type of processing plant

Drying facilities

Cleaning facilities

Dressing and packing facilities

Storage facilities

Remarks

Date.....

Signature.....

FOR OFFICIAL USE ONLY

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

Inspected by

Decision: Approved for the period.....
 Rejected.

Conditions imposed
.....

Licence No..... Date.....

.....
Institute *for Seed Control and Certification*

Form 5
REPUBLIC OF ZAMBIA

MINISTRY OF AGRICULTURE AND FOOD SECURITY

PLANT VARIETY AND SEEDS REGULATIONS

SEED PROCESSING LICENCE

(Regulation 10 (1))

A seed processing licence is hereby granted to *(name)*

.....

of *(address)*

for processing of seeds at *(name of premises)*

.....

(address)

for the period..... 19..... to..... 19.....

This license is subject to the following conditions

.....

.....

.....

Date.....

for Seed Control and Certification Institute

Form 6
REPUBLIC OF ZAMBIA (*To be completed in triplicate*)

MINISTRY OF AGRICULTURE AND FOOD SECURITY

PLANT VARIETY AND SEEDS REGULATIONS

APPLICATION FOR A SEED SELLERS' LICENCE

(Regulation 11 (2))

To: S.C.C.I.
P.O. Box 350199
Chilanga

Applicant.....

Address

.....

I hereby apply for a seed seller's licence of class:

- | | | | |
|----|---|----|---|
| A. | General-Restricted wholesale [<input type="checkbox"/>] | B. | General-Restricted retail [<input type="checkbox"/>] |
| C. | General-Unrestricted [<input type="checkbox"/>] | D. | Limited-Restricted wholesale [<input type="checkbox"/>] |
| E. | Limited-Restricted retail [<input type="checkbox"/>] | F. | Limited-Unrestricted [<input type="checkbox"/>] |

Tick off as applicable

Name and address of premises

Species to be sold

Storage facilities

Date.....

Signature.....

FOR OFFICIAL USE ONLY

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

Inspected by

Decision: Approved for the
period..... Rejected

Conditions imposed

Licence No..... Date.....
for Certifying Authority

Form 7
REPUBLIC OF ZAMBIA

MINISTRY OF AGRICULTURE AND FOOD SECURITY

PLANT VARIETY AND SEEDS REGULATIONS

SEED SELLER'S LICENCE

Licence No.....

A seed seller's licence of class is

hereby granted to (*name*)

(*address*)

for trading of seeds at (*name of premises*)

(*address*)

for the period..... 19..... to..... 19.....

This licence is subject to the following conditions.....

.....
.....
.....
.....

Date.....

.....
for Certifying Authority

Form 8

REPUBLIC OF ZAMBIA

MINISTRY OF AGRICULTURE AND FOOD SECURITY

PLANT VARIETY AND SEEDS REGULATIONS

SAMPLING REPORT

(Regulation 12)

No.....

Applicant

Address

Registration No.....

Certification No.....

Crop..... Cultivar.....

Lot No Weight of lot..... kg:

Intended seed class

Number of labels required

Remarks

Date.....

.....
*Signature of Applicant or his
representative*

.....
Signature of Sampler/Inspector

Form 9

REPUBLIC OF ZAMBIA

MINISTRY OF AGRICULTURE AND FOOD SECURITY

PLANT VARIETY AND SEEDS REGULATIONS

SEED CERTIFICATE

(Regulation 13)

SEED CONTROL AND CERTIFICATION INSTITUTE OF ZAMBIA

Species		Cultivar			
Test No.	Date Received			Date sampled	
Lot No.	Origin				Weight of Lot: kg

Name and address of applicant

Purity, % weight				Germination, % number					Germination Capacity, %
Pure seed	Inert Matter	Other Crop Seed	Weed Seeds	Normal Seedlings	Hard Seeds	Fresh Seeds	Abnorma Seedlings	Dead Seeds	

Kind of inert matter:

Species and number of other crop seeds:

Species and number of weed seeds:

Moisture Content, %	Cultivar Purity, %	Weed Seeds, number per kg
---------------------	--------------------	---------------------------

Other Determinations:

Date.....

.....

for S.C.C.I.

Form 10

**REPUBLIC OF ZAMBIA
MINISTRY OF AGRICULTURE AND FOOD SECURITY
PLANT VARIETY AND SEEDS REGULATIONS**

SEED CONTROL AND CERTIFICATION INSTITUTE OF ZAMBIA

CONTROL GROWING REPORT

(Regulation 14)

Specie.....

Cultivar

Certification No..... Seed Lot No.....

Seed Class..... Planted.....

TEST RESULTS

Foreign cultivars

.....

.....

Off types.....

.....

.....

.....

Diseased plants.....

.....

.....

.....

Remarks

.....

.....

.....

Date.....

.....

Signature,

S.C.C.I.

Form 11
REPUBLIC OF ZAMBIA

MINISTRY OF AGRICULTURE AND FOOD SECURITY

PLANT VARIETY AND SEEDS REGULATIONS

SEED CONTROL AND CERTIFICATION INSTITUTE OF ZAMBIA

SEALING REPORT

(Regulation 15)

Applicant.....

Address

.....

Species and Cultivar	Certification No.	Lot No.	Number and size of bags sealed

Date.....

.....

of Sampler/Inspector

.....

Signature

*Signature of Applicant or
his representative*

Form 12
REPUBLIC OF ZAMBIA

MINISTRY OF AGRICULTURE AND FOOD SECURITY

PLANT VARIETY AND SEEDS REGULATIONS

NOTICE TO IMPORT SEED

(Regulation 17)

Applicant.....

Address

SPECIFICATION

Species

Cultivar

Quantity to be imported.....kg

Country of origin.....

Official marks of the seed lot.....

Quality of the seeds (copy of seed certificate to be enclosed).....

.....

.....

Reasons for the importation

.....

.....

Expected date for the import.....

Date.....

Signature

FOR OFFICIAL USE ONLY

Notification received..... Fees paid.....

Remarks

Notification No.

Date.....

Signature