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ECONOMIC COMMISSION FOR EUROPE

COMMITTEE FOR TRADE, INDUSTRY AND
ENTERPRISE DEVELOPMENT

Working Party on Standardization of
Perishable Produce and Quality Development

Meeting of Experts on Standardization of
Potatoes (Seed)

(Twenty-ninth session, 9 to 12 February 1998, Geneva)

Item 5 of the Provisional Agenda

CONSIDERATION OF A REVISED QUESTIONNAIRE
ON NATIONAL SEED POTATO CERTIFICATION SCHEMES

(a) Review of Questionnaire

Note by the secretariat

The following revised questionnaire was submitted by the rapporteur (Israel) for consideration by the Meeting of Experts. Additions and Amendments are printed in bold.

GE.97-32077

COUNTRY: _____

1. Name and address of the national certification authority or authorities:

(1) _____

(2) The authority in charge of certification is: 1/

G government administration

G service under government responsibility

G non-official service

G other _____
(please indicate)

(3) **Production:**

- G** **mother tuber and generation prior to pre-basic seed**
- G** **pre-basic seed**
- G** **basic seed**
- G** **certified seed**

1/ Please mark an "x" against the appropriate description.

2. General information concerning certification

2.1.1 Method of selection: 2/

_____ clonal and roguing

_____ roguing only

2.1.2 **Selection activities performed by:**

_____ **official service**

_____ **private enterprise**

2.2 **Generations prior to pre-basic seed derived from micropropagation (yes/no)**

2.3 System of classification:

_____ **classes used for Pre-Basic Seed** _____

_____ classes used for Basic Seed _____

_____ classes used for Certified Seed _____

2.4 **Maximum number of generations allowed for:**

- **prior to pre-basic seed** _____

- **pre-basic seed** _____

- **basic seed** _____

- certified seed _____

2.5 Final destination of certified seed potatoes

- further multiplication _____

- table stock production _____

2/ Please mark an "x" against the appropriate response.

2.6 Features considered for certification:

2.6.1 *Globodera rostochiensis*;

- soil analysis of field to be cropped _____
- size of sample (grammes) _____
- tolerance (number of cysts) _____
- examination of roots at the time of field inspection _____
- tolerance (number of cysts) _____

2.6.2 *Globodera pallida*;

- soil analysis of field to be cropped _____
- size of sample (grammes) _____
- tolerance (number of cysts) _____
- examination of roots at the time of field inspection _____
- tolerance (number of cysts) _____

2.6.3 Premature haulm destruction;
(obligatory or recommended)

- **pre-basic seed** _____
- basic seed _____
- certified seed _____

2.6.4. Examination of the state of health of tuber samples before despatch; (virus and **bacteria** tests in laboratory, growing on tests in the greenhouse or field)

- **pre-basic seed;**
all lots _____
by sample _____
- basic seed;
all lots _____
by sample _____
- certified seed;
all lots _____
by sample _____

2.6.5 Inspection of tubers at despatch before closing package; (presentation, sizing, diseases, etc.)

- **pre-basic seed;**
all lots _____
by sample _____
- basic seed;
all lots _____
_____ by sample _____

- certified seed;
- all lots
- by sample

2.6.6 Growing-on check of the progeny; (trial field)

- **pre-basic seed;**
- all lots**
- by sample**

- basic seed;
- all lots
- by sample

- certified seed;
- all lots
- by sample

2.7 Requirements concerning isolation and rotation:

2.7.1 Minimum interval between potato crops;

- **pre-basic seed**
- basic seed

- certified seed

2.7.2 Isolation requirements;

- distance between seed and other
potato crops;
- **pre-basic seed**

- basic seed

- certified seed

2.7.3 Production of seed potatoes only in isolated areas

(Yes/No) _____

2.8 Field inspection:

2.8.1 Applied (yes/no) _____

2.8.2 Minimum number of official
field inspections;

- **pre-basic seed** _____

- basic seed _____

- certified seed _____

3. Diseases and faults considered for certification

3.1 Field inspection: 3/

3.1.1 Virus diseases (tolerances);

- severe virus, including leaf roll,
virus Y or heavy mosaic;

pre-basic seed _____

basic seed _____

certified seed _____

- mild mosaic;

pre-basic seed _____

basic seed -----

certified seed _____

- soil-borne viruses;

pre-basic seed _____

basic seed _____

certified seed _____

- other virus diseases;

(list)	(tolerance)

_____	_____
_____	_____

3.1.2 Fungal and bacterial diseases

Synchytrium endobioticum;

- presence 4/

- tolerance

pre-basic seed

basic seed

certified seed

3/ For tolerances, please specify the tolerance (per cent) or indicate whether the tolerance is not allowed, or not considered (n/c).

4/ Please indicate whether reported, not reported, or absent.

Erwinia atroseptica;

- presence
- tolerance (Conforms or not to the Geneva Standard)(STAN.19/Rev.1).

pre-basic seed _____

basic seed _____

certified seed _____

Corynebacterium sependonicum;

- presence
- tolerance

pre-basic seed _____

basic seed _____

certified seed _____

Pseudomonas solanacearum;

- presence
- tolerance

pre-basic seed _____

basic seed _____

certified seed _____

3.1.3 Varietal purity and type

Rogues and variants _____

(other varieties and abberant plants)

Rogues _____

3.2 Post-harvest testing:

3.2.1 Application;

post-harvest testing is applied (yes/no)

pre-basic seed _____

basic seed _____

certified seed

3.2.2 Size of sample;

pre-basic seed

basic seed

certified seed

3.2.3 Virus diseases considered;

(list)

pre-basic

basic

certified

(tolerances) 5/

(list)	pre-basic	basic	certified
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

5/ Please indicate whether considered or not considered, or tolerance.

3.3 Sampling:

3.3.1 Sampling is carried out officially; (yes/no)

pre-basic seed	_____
basic seed	_____
certified seed	_____

3.3.2 Stage of sampling;

	<u>Yes</u>	<u>No</u>
- in the field;		
pre-basic seed	_____	_____
basic seed	_____	_____
certified seed	_____	_____
- during harvest;		
pre-basic seed	_____	_____
basic seed	_____	_____
certified seed	_____	_____
- in the box or bag;		
pre-basic seed	_____	_____
basic seed	_____	_____
certified seed	_____	_____
- other; (please specify)		

3.4 Inspection of tubers at despatch before closing: 6/ 7/

3.4.1 Size;

- tubers larger than maximum

size _____

- tubers smaller than minimum
size _____

- **maximum variation in size** _____

3.4.2 Mechanical defects and physical faults

- blemishes, malformations and
cracks;
tolerance _____

- earth and extraneous matter;
tolerance _____

6/ Please mark the appropriate space with an "x".

7/ For tolerances, unless otherwise indicated please indicate whether the tolerance is allowed, not allowed, or not considered.

3.4.3 Tuber diseases;

- Synchytrium endobioticum;
tolerance _____

- Pseudomonas solanacearum;
tolerance _____

- Corynebacterium sependonicum;
tolerance _____

(*) - Other wet and dry rots;
tolerance _____

(*) - **Helminthosporium solani**
tolerance _____

- Spongospora subterranea
tolerance

- Rhizoctonia solani
tolerance

- Black leg
tolerance

- Phthorophora infestans
tolerance

- Piling
tolerance

3.4.4 Total tolerance for the three
items marked with an asterisk (*)
in relation to the Geneva Standard
(STAN.19/Rev.1)

3.4.5 Pests;

- Globodera rostochiensis;
presence 8/
tolerance 9/

- Globodera pallida;
presence
tolerance

- Ditylenchus destructor;
tolerance

8/ Conforms or not with the Geneva Standard (STAN.19/Rev.1).

9/ Please indicate whether reported, not reported or absent.

4. Chemical treatment of tubers

4.1 Fungicidal disinfectants
(for example against rhizoctonia
or common scab)

4.2 Other chemical treatments _____

5. Closing of packages and despatch

5.1 Official system of closing carried out by: Yes No

i) an inspector of the authority
in charge of certification _____

ii) a third party under the supervision
of an inspector of the responsible
authority _____

iii) the producer or a commercial firm _____

iv) other system of closing _____

5.2 Certificates, labels and seals:

5.2.1 Each package is supplied with;

- a certificate inside _____

- a label outside _____

- a seal _____

- other systems of closing _____

5.2.2 Colour of label and certificate;

- **pre-basic seed;**
label _____
certificate _____

- basic seed;
label _____
certificate _____

- certified seed;
label _____
certificate _____

5.2.3 Particulars stated on label and certificate;

	<u>Yes</u>	<u>No</u>
- nature of contents; (seed potatoes)		

- pre-basic seed; label	_____	_____
certificate	_____	_____

- basic seed; label	_____	_____
certificate	_____	_____

- certified seed; label	_____	_____
certificate	_____	_____

- certifying body and producing

country;

- **pre-basic seed;**

label

certificate

- basic seed;

label

certificate

- certified seed;

label

certificate

- producer's identification number
or reference number of the lot;

- **pre-basic seed;**

label

certificate

- basic seed;

label

certificate

- certified seed;

label

certificate

- variety;

- **pre-basic seed;**

label

certificate

- basic seed;		
label	_____	_____
certificate	_____	_____
- certified seed;		
label	_____	_____
certificate	_____	_____
- country and/or region of production;		
- pre-basic seed;		
label	_____	_____
certificate	_____	_____
- basic seed;		
label	_____	_____
certificate	_____	_____
- certified seed;		
label	_____	_____
certificate	_____	_____
- category and class;		
- pre-basic seed;		
label	_____	_____
certificate	_____	_____
- basic seed;		
label	_____	_____
certificate	_____	_____
- certified seed;		

label _____
certificate _____

- size;

- pre-basic seed;

label _____
certificate _____

- basic seed;

label _____
certificate _____

- certified seed;

label _____
certificate _____

- declared net weight;

- pre-basic seed;

label _____
certificate _____

- basic seed;

label _____
certificate _____

- certified seed;
label _____
certificate _____

- crop year;

- pre-basic seed;**
label _____
certificate _____

- basic seed;
label _____
certificate _____

- certified seed;
label _____
certificate _____

- date of closing;

- pre-basic seed;**
label _____
certificate _____

- basic seed;
label _____
certificate _____

- certified seed;
label _____
certificate _____

- other particulars; _____

5.3 Characteristics of packages allowed

Kind of packages (bags, boxes) _____

Maximum weight of each unit _____

Minimum weight of each unit _____