

**UNITED NATIONS ECONOMIC COMMISSION FOR EUROPE**

**OVERVIEW OF  
NATIONAL SCHEMES FOR SEED POTATO  
CERTIFICATION**

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Working Party on Agricultural Quality Standards

Specialized Section on Standardization of Seed Potatoes



## INTRODUCTION

In order to update the present overview of seed potato certification systems previously compiled in 1985 a questionnaire was developed by the UNECE Specialized Section on the Standardization of Seed Potatoes and sent to 75 countries.

This overview is a compilation of answers received from certification authorities. The role of the UNECE secretariat has been to compile the data.

The aim of the compilation is to provide up to date information on National seed potato certification schemes to increase the understanding of individual schemes and encourage harmonization. The overall objective is to facilitate trade in seed potatoes worldwide.

The UNECE standard uses three categories to describe the quality of seed potatoes (Pre-Basic, Basic and Certified). Countries are free to define national classes within these categories. The latest version of the standard also defines international classes. The text of the standard is available on the UNECE web site at: [http://www.unece.org/trade/agr/standard/potatoes/pot\\_e.htm](http://www.unece.org/trade/agr/standard/potatoes/pot_e.htm)

The replies from countries concerning their classification system have been arranged in a way to show the correspondence to the system of categories used in the UNECE standard.

Many countries use the field generation number as an additional criteria for classification, to limit the number of generations from the initial material.

The UN secretariat is not responsible for the accuracy of the data, and interested parties should contact national authorities to confirm the current status of certification requirements.

Countries not listed in the following and wishing to provide their data or countries wishing to correct/update their data are invited to contact the UNECE Secretariat at the following address:

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## CONTENTS

- 1. General Information**
- 2. Certification system**
- 3. Varietal maintenance**
- 4. Service Providers**
- 5. Fees charged in association with certification procedures**
- 6. Requirements for production of seed potatoes**
- 7. Classification System**
- 8. Seed Potato Fields**
- 9. Requirements prior to planting**
- 10. Production areas regulated for specific pests**
  - 10.1 *Globodera rostochiensis*
  - 10.2 *Globodera pallida*
  - 10.3 *Synchytrium endobioticum*
  - 10.4 *Ralstonia solanacearum*
  - 10.5 *Clavibacter michiganensis sub sp. Sepedonicus*
  - 10.6 *Other pests of concern*
- 11. Requirements for growing crop**
  - 11.1 *Inspections/Official sampling*
  - 11.2 *Minimum distance between seed potato crops*
- 12. Types and size of sample on the growing crop**
- 13. Haulm Destruction**
- 14. Minimum number of official field inspections**
- 15. Criteria measured and/or recorded on the seed potato crop**
- 16. Field inspection standards**
  - 16.1 *Varietal purity and type*
  - 16.2 *Severe Mosaic*
  - 16.3 *Leaf roll virus*
  - 16.4 *Mild Mosaic*
  - 16.5 *Other Viruses*
  - 16.6 *Total Virus*
  - 16.7 *Potato Wart, Synchytrium endobioticum*
  - 16.8 *Blackleg, Erwinia spp.*
  - 16.9 *Bacterial Ring rot, Clavibacter michiganensis subsp. sepedonicus*
  - 16.10 *Brown rot, Ralstonia solanacearum*
  - 16.11 *Rhizoctonia solani*
  - 16.12 *Late Blight, Phytophthora infestans*
  - 16.13 *Early Blight, Alteria solani*

- 16.14 *Purple top, Stolbur, Aster yellows (phytoplasma)*
- 16.15 *Wilts, Verticillium spp. Fusarium spp.*
- 16.16 *Other*

## **17. Post Harvest Control**

- 17.1 *Post harvest control on tuber samples before seed lot is eligible for final certification*
- 17.2 *Components of Post Harvest testing*
- 17.3 *Minimum size of sample*
- 17.4 *Responsible for sampling*

## **18. Pathogens evaluated by post harvest control**

- 18.1 *Clavibacter michiganensis sepedonicus*
- 18.2 *Ralstonia solanacearum*
- 18.3 *Erwinia spp.*
- 18.4 *PLRV*
- 18.5 *PVY*
- 18.6 *PVX*
- 18.7 *PVM*
- 18.8 *PVS*
- 18.9 *PVA*
- 18.10 *Severe Mosaic*
- 18.11 *Mild Mosaic*
- 18.12 *Other viruses*
- 18.13 *Spongospora subterranean*
- 18.14 *Globodera rostochiensis*
- 18.15 *Globodera pallida*
- 18.16 *Meloidogyne chitwoodii*
- 18.17 *Synchytrium endobioticum*
- 18.18 *PSTV Potato Spindle tuber viroid*
- 18.19 *Varietal mixture*
- 18.20 *Other*

## **19. Tuber inspection requirements**

- 19.1 *Obligations and responsibilities*
- 19.2 *Sampling for which categories*
- 19.3 *Time of sampling*
- 19.4 *Washing of tubers/ Inspection prior to marketing*
- 19.5 *Tuber Size Standards*

## **20. Tuber Standards**

- 20.1 *Soil and Extraneous Matter*
- 20.2 *Growth Cracks*
- 20.3 *Malformed (off type)*
- 20.4 *Bruising*
- 20.5 *Internal Discoloration*
- 20.6 *Mechanical defects*
- 20.7 *Total defects*
- 20.8 *Black leg Erwinia spp*
- 20.9 *Other wet rots*
- 20.10 *Total wet rots*
- 20.11 *Dry rot, Fusarium spp*
- 20.12 *Alternaria solani (early blyte)*
- 20.13 *Phytophthora infestans (late blyte)*

- 20.14 *Phoma exigua* (gangree)
- 20.15 Total Dry rots
- 20.16 *Spongospora subterranean* (powdery scab)
- 20.17 *Streptomyces scabies* (common scab)
- 20.18 *Raizoctonia solani* (black scuff)
- 20.19 *Helminthosporium solani* (silver scuff)
- 20.20 *Globodera rostochiensis*
- 20.21 *Globodera pallida*
- 20.22 *Ditylenchus destructor*
- 20.23 *Ditylenchus dipsaci*
- 20.24 *Meloidogyne chitwoodi* and *fallax*
- 20.25 *Synchytrium endobioticum* (wart disease)
- 20.26 *Clavibacter michiganensis* subsp. *Sepedonicus* (ring rot)
- 20.27 *Ralstonia solanacearum* (brown rot)
- 20.28 Tobacco Rattle Virus
- 20.29 Superficial necrosis of viral origin
- 20.30 Potato Mop Top Virus (spraing)

**21. Fungicidal Disinfectants**

**22. Requirements for packaging and labelling**

**23. Seed potato shipment**

**24. Characteristics of packages allowed**

**25. Seed tag**

- 25.1 Colour of label
- 25.2 Nature of contents i.e., Seed Potatoes
- 25.3 Certifying body or authority
- 25.4 Producer identification number
- 25.5 Field identification number
- 25.6 Lot number
- 25.7 Variety
- 25.8 Country of Production
- 25.9 Area of Production
- 25.10 Category
- 25.11 Class
- 25.12 Size
- 25.13 Declared net weight
- 25.14 Crop year
- 25.15 Date of printing
- 25.16 Other particulars

**26. Differences made according to classes defined in classification system (Table 7) – Listed by country**

**27. National Seed Potato Certification Authorities/Seed Potato Import and Export Authorities**

**28. List of abbreviations used**

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In the tables the following conventions are used:

The questions are indicated in the column headings of the table.

For each country there is one row of answers

+	means	the country has answered "yes" to the question asked
-	means	the country has answered "no" to the question asked
empty box	means	the country

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## 1. General Information

	Authority in charge of seed potato certification		Potato producers are allowed to plant non- certified seed potatoes		Use of imported seed potatoes of classes of certified seed	
	Government Administration	Service under Governmentresponsibility	In the whole country	Only in part of the country	Ware Production %	Further Multiplication %
ARGENTINA	+	+	-	-	100	0
BELARUS	-	-	-	+	30	70
BELGIUM	+	-	+	-		
BOSNIA & HERZEGOVINA	+	-	+	-	60	60
BULGARIA	-	+	-	-	70	30
CANADA	+		-	+		
COLOMBIA	+	+	+	-	99.9	<0.1
CZECH REPUBLIC	+	+	-	+	5	95
CHILE	+	-	-	+	84	16
CYPRUS			-	-	90	10
DENMARK	+	+	-	-	90	10
FINLAND	+		-	-	100	0
FRANCE		+				
GERMANY	-	+	+	+		
GREECE	+		+	-	100	0
IRELAND	+	-	+	-	100	0
ISRAEL	+	-		-	85	15
ITALY		+	+	-		
LATVIA	+		+	-		
LUXEMBOURG	+	-		-	20	80
MEXICO	+	+	+	-	100	0
NETHERLANDS	-	+		+	70	30
NORWAY	+		+	-		
PORTUGAL	+		+	-	100	0
RUSSIAN FEDERATION	+			-	0	100
SLOVAKIA	-	+		+	20	80
SLOVENIA	-	+	+	-	100	0
SWEDEN	+		+	-		
SWITZERLAND	+		+	-	100	0
TURKEY	+		+	-	100	0
ENGLAND and WALES	+		+	-	99	1
SCOTLAND	+		+	-		
NORTHERN IRELAND	+	-	+	-		
UNITED STATES	+	+		+	100	0

## 2. Certification System

	Seed potato producers/ growers need to be licensed/ authorized to be eligible for seed potato certification.	Potato varieties. must be registered/ catalogued for certification purposes	Method used to confirm varietal integrity/identity within the certification program.*		
			Documentation/ official certificate, etc.	Visual inspection of the crop to a varietal description.	Field grow out of reference samples.
ARGENTINA	+	+	+	+	+
BELARUS	+	+	+	+	+
BELGIUM	+	+	+	+	-
BOSNIA & HERZEGOVINA	+	+	+		
BULGARIA	+	+	+	+	+
CANADA	+	+	+	+	-
COLOMBIA	+	+	+	+	+
CZECH REPUBLIC	+	+	+	+	+
CHILE	+	+	+	+	-
CYPRUS	+	+	+	+	-
DENMARK	+	+	+	+	-
FINLAND	+	+	+	+	-
FRANCE	-	+	+	+	-
GERMANY	-	+	+	+	+
GREECE	+	+	+	+	+
IRELAND	+	+	+	+	-
ISRAEL	-	-	+	+	-
ITALY	+	+	+	+	+
LATVIA	+	+	+	+	-
LUXEMBOURG	-	+	+	+	+
MEXICO	-	+	+	+	+
NETHERLANDS	-	+	+	+	+
NORWAY	+	+	+	+	-
PORTUGAL	+	+	+	+	+
RUSSIAN FEDERATION	+	+	+	+	-
SLOVAKIA	+	+	+	+	+
SLOVENIA	+	+	+	+	-
SWEDEN	-	+	+	-	-
SWITZERLAND	+	+	+	+	+
TURKEY	+	+	+	+	+
ENGLAND and WALES	+	+	+	+	-
SCOTLAND	+	+	+	+	+
NORTHERN IRELAND	+	+	+	+	+
UNITED STATES	-	-	+	+	-

\*The method DNA fingerprints on protein/DNA profiling is not used in any country but Switzerland and Germany



### 3. Varietal Maintenance

	Method of varietal maintenance of material acceptable within the certification program				Varietal selection and maintenance activities within the certification programme are performed by:		Are there breeding activities:
	Tissue culture <i>in vitro</i> and years maintaining in tissue culture bank	Tissue culture <i>in vitro</i> and clonal selection	Clonal and roguing	Roguing Only	Official service	Private enterprise	
ARGENTINA	3	+	+	-	+	+	+
BELARUS	3	+	-	+	+	-	+
BELGIUM	+	+	+	+	+	+	+
BOSNIA & HERZEGOVINA	2-4	+	-	-	+	-	+
BULGARIA		+	+	-	+	+	+
CANADA	+	+	+	-		+	+
COLOMBIA	2	+	+	-	+	-	+
CZECH REPUBLIC	+	+	+	-	+	+	+
CHILE	+	+	+	-	-	+	+
CYPRUS	+	-	-	-	-	-	-
DENMARK	5	-	-	-	+	-	+
FINLAND	+				+	+	+
FRANCE	3	+	-	-		+	+
GERMANY	continuously years	+	+ (rarer)	-	-	+	+
GREECE	3	-	+	-	-	+	-
IRELAND	2	+	+	-	+	-	+
ISRAEL	6	-	-	-	+	-	+
ITALY	+	+	-	-	-		+
LATVIA	+	+			+		+
LUXEMBOURG		+	-	-	-	+	-
MEXICO	+	+	+		+	+	+
NETHERLANDS	4	+	-	-	-	+	+
NORWAY	+	+	-	-	-	+	+
PORTUGAL	several	+	+	-	-	+	-
RUSSIAN FEDERATION	+	+	+	-	+	+	+
SLOVAKIA	3	+	+	-	+	+	+
SLOVENIA	3	+	+	-	+	+	+
SWEDEN	not regulated	+			+	+	+
SWITZERLAND	2	-	-	-	+	+	-
TURKEY	-	-	-	+	+	+	+
ENGLAND and WALES	-	-	-	+	-	+	-
SCOTLAND	unlimited	-	-	-	+	-	+
NORTHERN IRELAND	1	-	-	-	+		+
UNITED STATES	+	+	-	-	+	+	+

#### 4. Service Providers

	Recognizes accredited or authorized service providers for certification purposes for:			
	Field Inspection	Sampling	Tuber Inspection	Laboratory analysis
ARGENTINA	+	+	+	+
BELARUS	+	+	+	+
BELGIUM	-	-	-	+
BOSNIA & HERZEGOVINA	+	+	+	+
BULGARIA	+	+	+	+
CANADA	-	-	-	+
COLOMBIA	-	-	-	-
CZECH REPUBLIC	-	-	+	+
CHILE	-	-	+	-
CYPRUS	+	+	+	+
DENMARK	+	+	-	+
FINLAND	+	+	+	+
FRANCE	-	-	-	+
GERMANY	-	+	-	-
GREECE	-	-	-	-
IRELAND	-	-	-	-
ISRAEL	-	-	+	+
ITALY	-	-	-	-
LATVIA	+	+	+	+
LUXEMBOURG	-	-	-	-
MEXICO	+	+	+	+
NETHERLANDS	-	-	-	-
NORWAY	+	+	+	+
PORTUGAL	-	-	-	-
RUSSIAN FEDERATION	+	+	+	+
SLOVAKIA	-	-	-	+
SLOVENIA	+	+	+	+
SWEDEN	+	+	-	-
SWITZERLAND	-	-	-	-
TURKEY	+	+	+	+
ENGLAND and WALES	-	-	-	+
SCOTLAND	-	-	-	-
NORTHERN IRELAND	-	-	-	-
UNITED STATES	+	+	-	+

## 5. Fees Charged In Association With Certification Procedures

	Administration/ Application approval	Field Inspection	Sampling	Tuber Inspection	Laboratory Analysis
ARGENTINA					
BELARUS	+	-	-	-	+
BELGIUM	+	+	+	+	+
BOSNIA & HERZEGOVINA	-	+	+	+	+
BULGARIA	-	+	+	+	+
CANADA	+	+	+	+	+
COLOMBIA	-	-	-	-	-
CZECH REPUBLIC	+	+	-	+	+
CHILE	+	+	+	+	+
CYPRUS	-	-	-	-	-
DENMARK	-	-	-	-	-
FINLAND	+	+	+	+	+
FRANCE			+	+	+
GERMANY	+	+	-	-	+
GREECE	+	+	+	+	+
IRELAND	-	-	-	+	-
ISRAEL	+	+	+	+	+
ITALY	+	+	+	+	+
LATVIA	+	+	+	+	+
LUXEMBOURG	+	+	+	+	+
MEXICO			+		+
NETHERLANDS	-	+	-	+	+
NORWAY	-	+	-	-	+
PORTUGAL	+	+	+	+	+
RUSSIAN FEDERATION	+	+	+	+	+
SLOVAKIA	+	+	+	-	+
SLOVENIA	+	+	+	+	+
SWEDEN	+	+	+	+	+
SWITZERLAND	-	+	+	+	+
TURKEY	-	+	+	+	+
ENGLAND and WALES	+	+	+	+	+
SCOTLAND	+	+	+	-	+
NORTHERN IRELAND	+	+	+	+	+
UNITED STATES	+	+	+	+	+

## 6. REQUIREMENTS FOR PRODUCTION OF SEED POTATOES

	Specialized requirements for production of seed potatoes in authorized controlled areas
ARGENTINA	Province's rules must be more restrictive than National rules.
BELARUS	Doesn't have
BELGIUM	Doesn't have
BOSNIA & HERZEGOVINA	Doesn't have
BULGARIA	The only requirement for potato seed production is to be done at a height over 700 meters above sea level.
CANADA	Several regional and provincial bodies prescribe domestic movement and planting requirements that are in addition to national requirements.
COLOMBIA	Doesn't have
CZECH REPUBLIC	The use of uncertified seed is prohibited within the designated areas.
CHILE	Requirements for quarantine pests in free areas.
CYPRUS	
DENMARK	Doesn't have
FINLAND	High grade area in northern Finland has more tight requirements.
FRANCE	Protected zones for rhizomania in Bretagne
GERMANY	Health seed region and high grade region in Mecklenburg-Vorpommern / other federal countries don't have
GREECE	Doesn't have
IRELAND	Isolation and Low Aphid Activity.
ISRAEL	Doesn't have
ITALY	Closed area system
LATVIA	Doesn't have
LUXEMBOURG	Doesn't have
MEXICO	In the production zones of certified seed potatoes, only those areas that have not been sowed by this culture in the 2 previous agricultural cycles must be accepted
NETHERLANDS	Doesn't have
NORWAY	Doesn't have
PORTUGAL	The production of community grades is restricted to the Azores Islands, according to lower tolerances For virus and black leg in field inspection and wet or dry rots in tuber inspection, besides of increased requirements for field isolation.
RUSSIAN FEDERATION	Doesn't have
SLOVAKIA	Only certified seed allowed to plant.
SLOVENIA	At least class A of ware potatoes.
SWEDEN	Doesn't have
SWITZERLAND	Doesn't have
TURKEY	Field inspection (disease control & variety, purity)
ENGLAND and WALES	In the protected Region, stocks must be grown from seed potatoes classified no lower than Elite class. CC. Class seed cannot Be grown in the Protected Region.
SCOTLAND	No certified seed planted, controls on seed planted for ware production.
NORTHERN IRELAND	No certified seed planted, controls on seed planted for ware production.
UNITED STATES	States can authorize seed potato production areas.

## 7. CLASSIFICATION SYSTEM

Seed	Classes by chronological age:			Maximum number of multiplications/generations allowed for				
	Pre-Basic Seed	Basic Seed	Certified	material used prior to pre-basic seed		Pre-basic seed	Basic seed	Certified seed
				in vitro	greenhouse			
ARGENTINA		Preinitial 0, Preinitial I, Preinitial II	*	8	2		5	2
BELARUS				4	1	2	3	3
BELGIUM	CT (F0-F5) / clonal F1-F7	S, SE, E	A, B	5		7	4	2
BOSNIA & HERZEGOVINA	SE	E	A, 1.V.R.	1	1	2	1	0
BULGARIA			Class A, Class B	2	2			
COLOMBIA	Initial material	Super Elite, Elite	Basic and registered and certificate	1	1	2	2	1
CYPRUS	not specified	not specified	class A					
DENMARK	S1-S2-S3-S4-S5	E1-E2-E3	A		1	5	3	1
FINLAND	SS, S, SEE, SE	E1, E2, E3	A - B (Same Generation)		1	4	3	1
FRANCE	not produced	SE, E	A - B	3	1	3	5	2
GERMANY	no classes /PBTC M1, M2, M3	EG1, EG2, EG3; S, SE, E	Z1	continuously	1	max. 3	3	1
GREECE		EC1, EC2, EC3	no subdivision	4	2	2	1	0
IRELAND	MT1-NS1 - NS2	FS1 -FS2 -SE1-SE2 -SE3-E-H		20	1	2	7	
ISRAEL	1 CLON	1 CLON	1 CLON			1	2	1
ITALY		3	2					
LATVIA	PB	B1- B2- B3	C1-C2	1	1	1	3	2
LUXEMBOURG	F1-F2-F3 - F4- F5	S- SE- E	A - B	1	1	5	3	2
NETHERLANDS	Clones; class S	S- SE- E	A-B	n/a	1	4	2	3
NORWAY	P1-P2-P3-P4	B1-B2-B3	C		1	3	3	1
PORTUGAL	S both schemes	EC1- EC2- EC3	A or B	n/a	3	1	3	1
RUSSIAN FEDERATION	original	elite	reproduction	4	1	3	3	3
SLOVAKIA	TC -V2	SE1 -SE2-E	C1-C2	unlimited	1	1	3	2
SLOVENIA	mini-tubers(IS), S1-S2	SE 1- SE 2- E	A - B- C	3	2	2	3	3
SWITZERLAND	F1-F2-F3-F4	S-SE1-SE2-SE3-E	A	unlimited	unlimited	4	5	1
TURKEY	1	1	1					
ENGLAND and WALES	**	***	CC		1	3	unlimited	unlimited
SCOTLAND	PRE-BASIC TC, PRE-BASIC1, PREBASIC 2	VTSC1,2; SE 1,2,3;ELITE;A	not produced	unlimited	1	2	8	
SWEDEN	SS, S1, S2, S3, SE1, SE2, E, A,				1			
NORTHERN IRELAND	PRE-BASIC TC, PRE-BASIC1, PREBASIC 2	VTSC1,2; SE 1,2,3;ELITE;A	not produced	unlimited	1	2	unlimited	0
FG Countries								
CANADA	Pre-Elite, Elite I, Elite II, Elite III, Elite IV, Foundation, Certified				1			
CZECH REPUBLIC	SE 1, SE2, E, C1, C2			not determinated	not determinated			
CHILE	Prebasic - basic - Certified first Generation - Certified Second Generation -Certified Third Generation			1	1			
MEXICO	Basic (field generation1) Registrada 1 (FG2) Registrada 2(FG3) Registrada 3 (Fg4) certificada (Fg5)			unlimited	unlimited	unlimited	1	4
UNITED STATES	g1, g2, g3, g4, g5				1			

\* Initial I, Initial II, Initial III, Prefoundation & Foundation, Registered and Certified

\*\* PB (TC) tissue culture, PB (FG) field grown 1, PBFG2

\*\*\* VTSC 1, VTSC 2, Super Elite (SE) 1, SE 2, SE 3, Elite (E) 1, E2, E3, AA

## 8. SEED POTATO FIELDS

	seed potato fields of the same variety, class and category are allowed to be combined into one lot under a single certification number	Of the same farm holding for which category:			Of different farm holdings for which generation :		
		Pre-Basic Seed	Basic Seed	Certified Seed	Pre-Basic Seed	Basic Seed	Certified Seed
ARGENTINA							
BELARUS	+		+	+			
BELGIUM	+	-	+	+	-	-	-
BOSNIA & HERZEGOVINA	+			+			+
BULGARIA							
COLOMBIA	+			+	+	+	+
CYPRUS							
DENMARK	+	+	+	+			
FINLAND	+			+			+
FRANCE	+			+			
GERMANY		+	+	+			
GREECE							
IRELAND	+		+			+	
ISRAEL					+	+	+
ITALY	+						+
LATVIA							
LUXEMBOURG		+	+	+	+	+	+
NETHERLANDS	+	+	+	+			
NORWAY	+	+	+	+			
PORTUGAL	+			+			+
RUSSIAN FEDERATION	+		+	+			
SLOVAKIA	+	+	+	+	+	+	
SLOVENIA							
SWEDEN	+	-	+	+	-	-	-
SWITZERLAND		+	+	+			
TURKEY	+	+	+	+			
ENGLAND and WALES							
SCOTLAND							
NORTHERN IRELAND	+						

FG COUNTRIES		FG 1	FG2	FG3	FG4	FG5	FG6	FG 1	FG2	FG3	FG4	FG5	FG6
CANADA	+	+	+	+	+	+	+						
CZECH REPUBLIC													
CHILE		+	+	+	+	+	+						
MEXICO													
UNITED STATES													

## 9. REQUIREMENTS PRIOR TO PLANTING

	Countries where minimum crop rotation intervals (years) are required between seed potato crops.	Category		Certified Seed			
		Pre-Basic Seed	Basic Seed	Pre-Basic Seed	Basic Seed	Certified Seed	
ARGENTINA	+	3	3	3			
BELARUS	+	5	4	3			
BELGIUM	+	4	4	4			
BOSNIA & HERZEGOVINA	+	6	4	4			
BULGARIA	+	2	2	2			
COLOMBIA	+	soil treatment	2	2			
CYPRUS	+	3	3	2			
DENMARK	+	4	3	3			
FINLAND	+	3	3	2			
FRANCE	+	4	4	4			
GERMANY	+	3	2	2			
GREECE	+		3	2			
IRELAND	+	4	4	n/a			
ISRAEL	+	not relevant	4	3			
ITALY	+	3	3	3			
LATVIA	+	3	3	3			
LUXEMBOURG	+	3	3	3			
NETHERLANDS	+	3	3	3			
NORWAY	+	3	3	3			
PORTUGAL	+	3	3	3			
RUSSIAN FEDERATION	+	4	4	3			
SLOVAKIA	+	4	4	4			
SLOVENIA	+	4	4	3			
SWEDEN	+	4 or 5	4	4			
SWITZERLAND	+	3	3	3			
TURKEY	+	1	1	1			
ENGLAND and WALES	+	7	5--7	4			
SCOTLAND	+	7	*1				
NORTHERN IRELAND	+	7	5--7*1				
<b>FG Countries</b>	Countries where minimum crop rotation intervals (years) are required between seed potato crops.	FG1	FG2	FG3	FG4	FG5	FG 6
CANADA	+	2	2	1*2			
CZECH REPUBLIC	+	4	4	4	4	4	
CHILE	+	4	4	4	4	4	4
MEXICO	+	1	1	1	1	1	
UNITED STATES							

<sup>1</sup> VTSC crops whilst still Basic crops have a seven-year rotation and other basic crops-SE, E and A have a five-year rotation.

<sup>2</sup> not specified, based on farm/grower management

## 10. PRODUCTION AREAS REGULATED FOR SPECIFIC PESTS

### 10.1 *Globodera rostochiensis*

	Regulation of the pest	Based on pest free areas	Soil analysis required prior to planting	Size of the sample (g/ha)	Tolerance (number of cysts)	Examination of roots at the time of field inspection	Tolerance (number of cysts)
ARGENTINA	–	+	–		0		
BELARUS	+	+	+	500	0		0
BELGIUM			+	4500			
BOSNIA & HERZEGOVINA	+	+	+	1000	0	yes	0
BULGARIA	+	+	+	1000	no	yes	no
CANADA			–				
COLOMBIA	pest not present						
CZECH REPUBLIC	+	+	+				
CHILE	+	+	–				
CYPRUS	–	+	+	4kg/ha			
DENMARK	+	–	+	240	0	no	0
FINLAND	+	+	+	1l/ha	0		
FRANCE	+	–	+	OEPP Norms	no	yes	no
GERMANY	+	+	+	2000	0	yes	0
GREECE	+	+	+	3000	0	yes	0
IRELAND	+	–	+	500 g/kg			
ISRAEL	pest not present						
ITALY	+	+	+	1000	0	yes	0
LATVIA	+	–	+	2000 g/ha	0		
LUXEMBOURG	+	+	+	500	0	no	
MEXICO	+	+	+	2000 g/ha	0	yes	0
NETHERLANDS	–	–	+	600 ml/ha	0	no	n/a
NORWAY	+	+	+	1000 ml/ha	0	no	
PORTUGAL	+	+	+	200g	0	*	0
RUSSIAN FEDERATION	+	+	+	200	0	na	0
SLOVAKIA	+	+	+	500gx4	0	yes	0
SLOVENIA	+	+	+	4x600-1000g/ha	0	no plants	0
SWEDEN	+	+	+	3samples/ha (300 g/sample)	0	yes	0
SWITZERLAND	+	+	+	400 g/ha	0		
TURKEY	+	+	–		0	0	0
ENGLAND and WALES	+	+	+	125g/ha	nil	yes	nil-affected area rejected
SCOTLAND	+	–	+	200	0	no	
NORTHERN IRELAND	+	–	+	350 g/ha	0	no	not applicable
UNITED STATES	+	+	–				

\*By hazard or based on symptoms expressed.



## 10.2 *Globodera pallida*

	Regulation of the pest	Based on pest free areas	Soil analysis required prior to planting	Size of the sample (g/ha)	Tolerance (number of cysts)	Examination of roots at the time of field inspection	Tolerance (number of cysts)
ARGENTINA	-	+					
BELARUS	+	+	+	500	0		0
BELGIUM							
BOSNIA & HERZEGOVINA	+	+	+	1000	0	yes	0
BULGARIA	+	+	+	1000	no	yes	no
CANADA	+	+	-				
COLOMBIA	+	-	-				
CZECH REPUBLIC	+	+	+				
CHILE	+	+	-				
CYPRUS							
DENMARK	+		+	240	0	no	0
FINLAND	+	+	+	1l/ha	0		
FRANCE	+	+	+	regles OEPP	0	yes	0
GERMANY	+	+	+	2000	0	yes	0
GREECE	+	+	+	3000	nil	yes	nil
IRELAND	+	-	+	500 g/ha	nil		n/a
ISRAEL	Pest not present						
ITALY	Pest not present						
LATVIA	+	-	+	2000 g/ha	0		
LUXEMBOURG	+	+	+	500	0	no	
MEXICO	-						
NETHERLANDS	-	-	+	6000 ml/ha	0	no	n/a
NORWAY	+	+	+	1l/ha	0	no	
PORTUGAL	+	+	+	200 g	0	by hazard or based on symptoms expressed	0
RUSSIAN FEDERATION	+	+	+	200	0	na	0
SLOVAKIA	+	+	+	500gx4	0	yes	yes
SLOVENIA	+	+	+	4x600-1000 g/ha	0	no plants	0
SWEDEN	+	+	-	3 samples/ha	0	yes	0
SWITZERLAND	+	+	+	400 g/ha	0		
TURKEY	+	+	-				
ENGLAND and WALES							
SCOTLAND	+	-	+		0	no	
NORTHERN IRELAND	+	-	+	350 g/ha	0	no	
UNITED STATES	+	+	-				

### 10.3 *Synchytrium endobioticum*

	Regulation of the pest	Based on pest free areas	Soil analysis required prior to planting	Size of the sample (g/ha)	Tolerance (number of spores)
ARGENTINA	–	+			
BELARUS					
BELGIUM					
BOSNIA & HERZEGOVINA	+	+	+	1000	0
BULGARIA	+	+	+	2000 g/ha	no
CANADA	+	+			
COLOMBIA	pest not present				
CZECH REPUBLIC	+	+	+		
CHILE	+	+	–		
CYPRUS					
DENMARK	Pest not present				
FINLAND	+	+			
FRANCE	+	+			
GERMANY	+	+	–		
GREECE	+	+	–		
IRELAND					
ISRAEL	pest not present				
ITALY	+	+	+	1kg	0
LATVIA	+	–	–		
LUXEMBOURG	+	+	–		
MEXICO	–				
NETHERLANDS	+	+	–		
NORWAY	+	+	–		
PORTUGAL	+	+	–		
RUSSIAN FEDERATION	+	+	+	200	0
SLOVAKIA	+	+	+	500 g	0
SLOVENIA	+	+	–		
SWEDEN	+	+	–		
SWITZERLAND	+	+	–		
TURKEY					
ENGLAND and WALES					
SCOTLAND	+	+	–		
NORTHERN IRELAND	+	+	–		
UNITED STATES	pest not present				

#### 10.4 *Ralstonia solanacearum*

	Regulation of the pest	Based on pest free areas	Analysis required prior to planting	Soil	Water	Size of sample (grams)	Tolerance
ARGENTINA	+	+	-			200tubers	0%
BELARUS	-	-	-	-	-	-	-
BELGIUM							
BOSNIA & HERZEGOVINA	+	+	+	+	+	1000	0
BULGARIA	+	+	+	-	-	-	-
CANADA	+	+					
COLOMBIA	+	-	-	-	-		
CZECH REPUBLIC	+	+	+	+			
CHILE	+	+	-	-	-		
CYPRUS							
DENMARK	+	-	+	-	-		
FINLAND	+	+	-				
FRANCE	+	+	-	-	-		
GERMANY	+	+	- (+ MV)	-	-		0
GREECE	+	+	-	-	+		nil
IRELAND	-	-	-	-	-	-	-
ISRAEL	pest not present	-	-	-	-	-	-
ITALY	+	+	+	+	-	1kg	0
LATVIA	+	-	+	-	-	200 tubers	0
LUXEMBOURG	+	+	+	-	+	200 tubers/20t	0
MEXICO	+	+	+	-	-	-	-
NETHERLANDS	-	-	-	-	-	-	-
NORWAY	+	+	+	-	-	200 tubers	0
PORTUGAL	+	+	-	-	-	-	-
RUSSIAN FEDERATION	+	+	+	+	+	200	0
SLOVAKIA	+	+	+	-	-	200 tubers/25t	0
SLOVENIA	+	+	-	-	-		
SWEDEN	+	+	-	-	-		
SWITZERLAND	+	+	never found				
TURKEY		-	-	-	-		
ENGLAND and WALES							
SCOTLAND	+	+	-				
NORTHERN IRELAND	+	+	-	-	-		
UNITED STATES	+	+	-				

### 10.5 *Clavibacter michiganensis sub sp. Sepedonicus*

	Regulation of the pest	Based on pest free areas	Analysis required prior to planting	Soil	Water	Size of sample (grams)	Tolerance
ARGENTINA	-	+					
BELARUS	-	-	-	-	-	-	-
BELGIUM							
BOSNIA & HERZEGOVINA	+	+	+	+	+	1000	0
BULGARIA	+	+	+	-	-	200 tubers	No
CANADA	+	-	+		1% of the tubers	up to 400 tubers / lot	0
COLOMBIA	pest not present						
CZECH REPUBLIC	+	+					
CHILE	+	+	-	-	-		
CYPRUS	+	-	+	-	-		0
DENMARK	+	-	+	-	-		
FINLAND	+	+	-				
FRANCE	+	+	-	-	-		
GERMANY	+	+	- (+ MV)	-	-		0
GREECE	+	+	-	-	+	-	nil
IRELAND							
ISRAEL	pest not present						
ITALY	+	+	-	-	-		
LATVIA	+	-	+	-	-	200 tubers	0
LUXEMBOURG	+	+	+		-	200 tubers/20t	
MEXICO	+	+	+				0
NETHERLANDS	pest not present						
NORWAY	+	+	+	-	-	200 tubers	0
PORTUGAL	+	+	-				
RUSSIAN FEDERATION	pest not present						
SLOVAKIA	+	+	+	+	-	200 tubers/25t	0
SLOVENIA	+	+	-	-	-	-	-
SWEDEN	+	+	-	-	-		
SWITZERLAND	+	+	never found	-	-	-	-
TURKEY	+	-	-	-	-	200 tubers each 20000kg	0
ENGLAND and WALES	+	+	-	-	-		
SCOTLAND	+	+	-				
NORTHERN IRELAND	+	+	-	-	-		
UNITED STATES	+	-	-				

### 10.6 Other pests of concern

		Soil analysis of field to be performed	Size of sample (grams)	Tolerance (number of spores, cells, etc)
Italy	<i>Ditylencus destructor</i>	yes	1kg	0
Mexico	<i>Meloidogyne chitwodii</i>	yes		0
RUSSIAN FEDERATION	Potato moth ( <i>phthorimaea</i> )			
England and Wales	<i>Rhizomania</i>	no based on pest free area		

## 11. REQUIREMENTS FOR GROWING CROP

### 11.1 *Inspections/Official sampling*

	Field inspections are mandatory	Growing crop inspection reports are completed by field inspectors for every seed potato crop/field	Official sampling is carried out on the growing crop
ARGENTINA	+	+	+
BELARUS	+	+	+
BELGIUM			+
BOSNIA & HERZEGOVINA	+	+	+
BULGARIA	+	+	-
CANADA	+	+	+
COLOMBIA	+	+	+
CZECH REPUBLIC	+	+	-
CHILE	+	+	-
CYPRUS	+	+	
DENMARK	+	+	-
FINLAND	+	+	-
FRANCE	+	+	+
GERMANY	+	+	-
GREECE	+	+	+
IRELAND	+	-	+
ISRAEL	+	+	+
ITALY	+	+	-
LATVIA	+	+	-
LUXEMBOURG	+	+	+
MEXICO	+	+	+
NETHERLANDS	+	+	+
NORWAY	+	+	+
PORTUGAL	+	+	-
RUSSIAN FEDERATION	+	+	+
SLOVAKIA	+	+	+
SLOVENIA	+	+	+
SWEDEN	+	+	-
SWITZERLAND	+	+	+
TURKEY	+	+	+
ENGLAND and WALES	+	+	+
SCOTLAND	+	+	-
NORTHERN IRELAND	+	+	+
UNITED STATES	+	+	+

\* Routine sampling is not carried out, however, samples are taken as confirmation of suspicious symptoms.

## 11.2 Minimum distance between seed potato crops

	There is a minimum distance of isolation between seed potato crops	Minimum distances are established for categories and classes of the same variety	Distance in meters
ARGENTINA	+	+	
BELARUS	+	-	
BELGIUM		+	1.5 m
BOSNIA & HERZEGOVINA	+	-	
BULGARIA	+	+	1m
CANADA	+	+	10 metres when the rows ends and 1 metre between rows of different categories
COLOMBIA	+	-	
CZECH REPUBLIC	+	+	
CHILE	+	+	1.5 m
CYPRUS	+		
DENMARK	+	+	1m
FINLAND	-	-	
FRANCE	+	+	1m
GERMANY	-	+	one row= 0.75 m
GREECE	+	+	
IRELAND	+	+	variable
ISRAEL	+	+	
ITALY	+	-	
LATVIA	+	+	1m ,6m at the end of furrows
LUXEMBOURG	+	+	2m
MEXICO	+	+	1m
NETHERLANDS	-	-	
NORWAY	+	+	5 m
PORTUGAL	+	-	
RUSSIAN FEDERATION	+	+	0.7m
SLOVAKIA	+	+	.75 m
SLOVENIA	+	-	
SWEDEN	+	+	5 m
SWITZERLAND	+	+	5.2 m
TURKEY	+	-	
ENGLAND and WALES	+	+	5.2m
SCOTLAND	+	+	5.2m
NORTHERN IRELAND	+	+	2.5m
UNITED STATES	-	-	

## 12. TYPES AND SIZE OF SAMPLE ON THE GROWING CROP

	Leaves			Tubers			Reason		
	Pre-B	Basic	Cert.	Pre-Basic	Basic	Cert.	Pre-Basic	Basic	Certified
ARGENTINA									
BELARUS	100	100		50	50				
BELGIUM				<3ha: 360 , >3ha: 600	360-600	240-360			
BOSNIA & HERZEGOVINA	400	400	0						
BULGARIA							*	*	*
CANADA		FG2: 400/ Stems: FG2- FG6: 400					FG2-FG6: to test for PVZN clavibacter michiganensis	10 samples of 250 leaves/ha	2 samples of 63 leaves/ha
COLOMBIA	5	2500	125				One seed lot is 1000 plants		
FRANCE				mat. de selection: 200		110t/ha			
GERMANY									
GREECE	300	300	300		300	300		PVY, PLRV, PVA, Cm, Rs	PVY, PLRV, PVA, Cm, Rs
IRELAND	10	10	n/a				for virus confirmation, where necessary	for virus confirmation, where necessary	
ISRAEL	100	100		100			PLRV, PVX, PVY, PVS	PLRV, PVX, PLY,PVS	
ITALY									
LATVIA									
LUXEMBOURG				300	300	300	virus, bacteria	virus ,bacteria	virus, bacteria
MEXICO		FG1-FG5: 150		FG1-FG5:40/ha			FG1-FG5:deseases		
NETHERLANDS							testing,PVA,PVX,PVY,PVS (sample size depends on surface)		
NORWAY	400						PLRV,PVA,PVY,PVX,PVM,PVS		
PORTUGAL									
RUSSIAN FEDERATION	200	100	--	200	100	--			
SLOVAKIA							if suspicion,as much as needed	if suspicion, as much as needed	if suspicion, as much as needed
SLOVENIA							all plants in mini-tubers, PLRV, Y, M, A, S, X		
SWEDEN									
SWITZERLAND				280-450	280-450	45-180	depends on surface	depends on surface	depends on surface and variety
TURKEY									
ENGLAND and WALES									
SCOTLAND									
NORTHERN IRELAND	1%	1500/ha					1%of plants sampled	looking for latent infection	
UNITED STATES									

\* Samples are drawn in the case of clonal breeding and varietal maintenance

NOTE: The CZECH REPUBLIC, CHILE, CYPRUS, DENMARK and FINLAND did not answer this question.

### 13. HAULM DESTRUCTION

	Premature haulm destruction is directed by the certification authority (obligatory/recommended)						
	Pre-Basic Seed		Basic Seed		Certified Seed		Depends on the cultivar
	Obligatory	Recommended	Obligatory	Recommended	Obligatory	Recommended	
ARGENTINA	+	-	+	-	+	-	-
BELARUS	-	+	-	+	-	+	-
BELGIUM							
BOSNIA & HERZEGOVINA	+	-	+	-	-	+	-
BULGARIA	+	-	+	-	class A, class B	-	-
COLOMBIA	-	+	-	+	-	+	-
CYPRUS							
DENMARK							
FINLAND							
FRANCE	+	-	+	-	-	+	+
GERMANY	-	+	-	+	-	+	+
GREECE			+	-	+	-	
IRELAND	-	+	-	+	-	n/a	+
ISRAEL	-	+	-	+	-	+	-
ITALY	-	+	-	+	-	+	-
LATVIA	-	+	-	+	-	+	-
LUXEMBOURG	+	-	+	-	+	-	+
NETHERLANDS	+	-	+	-	-	+	+
NORWAY	-	-	-	-	-	-	
PORTUGAL	-	-	-	-	-	-	-
RUSSIAN FEDERATION	-	+	-	+	-	+	Na
SLOVAKIA	-	+	+	-	+	-	-
SLOVENIA	+	-	+	-	+	-	-
SWEDEN		+		+		+	+
SWITZERLAND	+	-	+	-	sensitive varieties	little sensitive	+
TURKEY	-	+	-	+	-		
ENGLAND and WALES	+	-	+	+	+	+	
SCOTLAND	+	-	VTSC only	+	n/a	n/a	-
NORTHERN IRELAND	+	-	+	-			

#### FG COUNTRIES

CANADA	FG1-FG6: recommended						-
CZECH REPUBLIC	FG1-FG4:obligatory, FG5: recommended						-
CHILE	FG1-FG6: recommended						-
MEXICO	FG1-FG5: recommended						-
UNITED STATES	FG1-FG6: recommended						-



#### 14. MINIMUM NUMBER OF OFFICIAL FIELD INSPECTIONS

	Pre-basic seed	Basic seed	Certified seed
ARGENTINA	3	3	3
BELARUS	2	2	2
BELGIUM	2	2	2
BOSNIA & HERZEGOVINA	4	3-4	3
BULGARIA	2	2	Class A: 1,B: 1
COLOMBIA	every 2 months	4	4
CYPRUS	3	3	2
DENMARK	3	1	1
FINLAND	2	2	1
FRANCE	materiel de selection: permanent	3	2
GERMANY	2	2	2
GREECE		3	2
IRELAND	3	2	n/a
ISRAEL	3	2	2
ITALY	3	1	1
LATVIA	2	2	1
LUXEMBOURG	3	3	3
NETHERLANDS	3, 1st and 2nd year clone at least one inspection	3	3
NORWAY	1	1	1
PORTUGAL	3	3	2
RUSSIAN FEDERATION	3	3	1
SLOVAKIA		3	3
SLOVENIA	4	4	4
SWEDEN	1	1	1
SWITZERLAND	3	2	2
TURKEY			
ENGLAND and WALES	2	2	1
SCOTLAND	2	2	n/a
NORTHERN IRELAND	2	2	n/a

#### FG COUNTRIES

	FG1	FG2	FG3	FG4	FG5	FG6
CANADA	3	3	3	3	3	3
CZECH REPUBLIC	3	3	3	3	2	
CHILE	3	3	3	3	3	3
MEXICO	1	1	1	1	1	
UNITED STATES	2	2	2	2	2	

### 15. CRITERIA MEASURED AND/OR RECORDED ON THE SEED POTATO CROP

	Vigor	Plant Emergence	Uniformity	Overall health of the crop	Weediness of the crop
ARGENTINA					
BELARUS	+	+	+	+	+
BELGIUM	+	+	+	+	+
BOSNIA & HERZEGOVINA	+	+	+	+	+
BULGARIA	-	+	+	+	+
CANADA	+	+	+	+	+
COLOMBIA	-	-	-	+	+
CZECH REPUBLIC	+	+	+	+	+
CHILE	-	+	-	+	+
CYPRUS	+	+	+	+	+
DENMARK	-	+	-	-	
FINLAND	-	-	+	+	-
FRANCE	+	+	+	+	+
GERMANY	-	-	+	+	-
GREECE	+	+	+	+	+
IRELAND	+	+	+	+	+
ISRAEL	-	-	+	+	+
ITALY	-	-	+	+	+
LATVIA			+	+	+
LUXEMBOURG			+	+	+
MEXICO	-	-	+	+	+
NETHERLANDS	-		+	+	-
NORWAY	-	-	+	+	-
PORTUGAL	+	+	+	+	+
RUSSIAN FEDERATION	+	+	+	+	+
SLOVAKIA	+	+	+	+	+
SLOVENIA	+	+	+	+	+
SWEDEN			+	+	+
SWITZERLAND			+	+	+
TURKEY	-		+	+	+
ENGLAND and WALES			+	+	+
SCOTLAND	-		+	+	+
NORTHERN IRELAND	-	-	+	+	+
UNITED STATES			+	+	+

## 16 FIELD INSPECTION STANDARDS

### 16.1 Varietal purity and type

	Class(see 3.0)			Tolerance %						
				Off-type(including mutation, abberants)			Mixture of varieties			
	Pre-Basic	Basic	Certified	Pre-Basic	Basic	Certified	Pre-Basic	Basic	Certified	
ARGENTINA										
BELARUS		100	100	98.5	0	0	1.5	0	0	1.5
BELGIUM			S, SE, E	A, B	0	0, 0.01, 0.02	0.05, 0.05	0	0	0
BOSNIA & HERZEGOVINA										
BULGARIA				class A 0.5% B 1%	0	0		0	0	class A 0.5% B1%
COLOMBIA		0%	0%	0%	0%	0%	0%	0%	0%	1%
CYPRUS										
DENMARK		S1, S2, S3, S4, S5	E1, E2, E3	A	0.01	0.05	0.25	0	0.01	0.05
FINLAND		SE	E1, E2, E3	A, B				0.1	0.1,0.1,0.1	0.5,0.5
FRANCE						0.1,0.1,0.1	0.2,0.2,0.2			
GERMANY		M1 – M3	EG1 - EG3, S, SE, E	Z1	0.005	0.005, 0.01, 0.02	0.04	the same as off-types		
GREECE						0.25	0.5		0.1	0.2
IRELAND		NS1, NS2	FS, SE, E			0, 0.05, 0.05	n/a		0, 0.05, 0.05,	n/a
ISRAEL					0	0		0	0	1
ITALY			S, SE, E	A, B		0, 0.1, 0.2	0.4, 0.5		0, 0.1, 0.2	0.4, 0.5
LATVIA		PB	B1, B2, B3	C1, C2	0.1	0.25, 0.25, 0.25	0.5, 0.5	0	0.1, 0.1, 0.1	0.2, 0.2
LUXEMBOURG			S, SE, E	A, B	0	0, 0, 0	0, 0.1	0	0, 0, 0	0, 0.1
NETHERLANDS		Clones/S	S, SE, E	A, B	0	0, 0, 0	0.01, 0.05	0	0, 0, 0	0.01, 0.05
NORWAY					0	0.05	0.1	0	0.05	0.1
PORTUGAL		S	EC1, EC2, EC3, SE, E	A-B	0.01	0.05, 0.1, 0.1, 0.05, 0.1	0.3, 0.5	See off-type		
RUSSIAN FEDERATION					0	0	0.5			
SLOVAKIA		TC-V2	SE1, SE2, E	C1, C2	0	0, 0.0, 0.1	0.2,0.4	0	0.0, 0.0, 0.1	0.2, 0.4
SLOVENIA		IS, S1, S2,	SE1, SE2, E	A, B, C	0, 0, 0	0, 0, 0		0, 0, 0	0, 0, 0,	0.01, 0.05, 0.1
SWEDEN		S1, S2,S3	SE1, SE2, E	A	0, 0, 0	0.05, 0.05, 0.05	0.1,	0, 0, 0	0, 05, 0.05, 0.05	0.1
SWITZERLAND		F1-F4	S, SE1-SE3+E,	A	0	0, 0.02,	0.04			
TURKEY					0*	0.5*	1*	0*	0.5*	1*
ENGLAND and WALES		PB (TC), PB (FG)	VTSC, SE, Elite, AA	CC	Nil, Nil	Nil, 0.05*, 0.05*, 0.1*	0.5	Nil, Nil	Nil, 0.05*, 0.05*, 0.1*	0.2
SCOTLAND		PB (TC), PB (FG) 1,PB (FG) 2	VTSC, SE, Elite, Class A		Nil, Nil, Nil	Nil, 0.05*, 0.05*, 0.1*		Nil, Nil, Nil	Nil, 0.05*, 0.05*, 0.1*	
NORTHERN IRELAND		PB (TC), PB (FG) 1,PB (FG) 2	VTSC, SE, Elite, Class A	n/a	Nil, Nil, Nil	Nil, 0.05*, 0.05*, 0.1*		Nil, Nil, Nil	Nil, 0.05*, 0.05*, 0.1*	

\* Both off types and mixture of varieties are combined within the one tolerance

FG COUNTRIES

CANADA	Off-type: FG1:0, FG2:0, FG3:0, FG4:0, FG5:0, FG6:0.05, FG7 0.1	Mixture of varieties: FG1:0 FG2:0 FG3:0 FG4:0 FG5:0 FG6:0.05 FG7 0.1
CZECH REPUBLIC	Off-type: FG1:SE1 0, FG2:SE2 0, FG3:E 0.1, FG4:C1 0.2, FG5:C2 0.5	
CHILE	Off-type: FG2:PB 0, FG3:B 0, FG4:C1 0.1 FG5:C2 0.2, FG6:C3 0.3	Mixture of varieties: FG2:PB 0, FG3:B 0, FG4:C1 0.1, FG5:C2 0.2, FG6:C3 0.3
MEXICO	Off-type: FG1:0, FG2:0, FG3:0, FG4:0, FG5:0.25	Mixture of varieties: FG1:0, FG2:0, FG3:0, FG4:0, FG5:0.25
UNITED STATES		Mixture of varieties: FG1:0, FG2:0, FG3:0.1, FG4: 0.25, FG5: 0.5

16.2 Severe Mosaic

	Tolerance %									
	Reported (R) Not reported (NR)	Pre-Basic Classes (see 3.0)			Basic Classes (see 3.0)			Certified Classes (see 3.0)		
ARGENTINA	R									
BELARUS	R	0			1			10		
BELGIUM	R									
BOSNIA & HERZEGOVINA										
BULGARIA	R	0.4			0.8			A 1.6	B 3	
COLOMBIA	R	IM: 0	SE: 0	E: 0	B: 1	R: 2		C: 5		
CYPRUS										
DENMARK			0.1			0.2			0.5	
FINLAND	R			SE: 0.0	E1: 0.0	E2: 0.2	E3: 0.2	A: 0.5	B: -	
FRANCE					SE	SE	E	A	A	B
GERMANY	R	0,1	0,1	0,1	0,1	0,2	0,2	0,6		
GREECE	R				0.6			2		
IRELAND		NS1: 0	NS2: 0		FS1: NIL	FS2: NIL	SE: NIL	E: 0.1		
ISRAEL		0								
ITALY	R									
LATVIA										
LUXEMBOURG	R									
NETHERLANDS	R	Clones: 0			S: 0.03	SE: 0.03	E: 0.1	A: 0.25	B: 0.5	
NORWAY	R	0.05			0.2			0.5		
PORTUGAL					EC1: 0.2, EC2: 0.2	EC3: 0.3,	SE: 0.2, E: 0.3	A: 1	B: 3	
RUSSIAN FEDERATION	R		From meristeme0	From g.h 0	Sse: 0	Se : 0	E: 0.6	Ri : 1.2	R2 : 1.5	R3 ; 2.4
SLOVAKIA	R			TC V2 0.0	SE1: 0.1	SE2: 0.2	E: 0.4		C1: 1.0	C2: 3.0
SLOVENIA	R	IS: 0	S1: 0	S2:0	SE1: 0.03	SE2: 0.03	E: 0.1	A: 0.25	B: 0.5	C: 1.5
SWEDEN	R	S1: 0	S2: 0	S3:0	SE1: 0.2	SE2: 0.2	E:0.7	A: 10		
SWITZERLAND	R	F1-F3: 0	F4: 0.02		S: 0.02	SE1-SE3: 0.04	E: 0.06	A: 0.2		
TURKEY										
ENGLAND and WALES	R	PBTC: NIL	PBFG: NIL		VTSC: NIL	SE: NIL			CC: 2.0	
SCOTLAND	R	PBTC: NIL	PB1&2: NIL		VTSC: NIL	SE: 0.01	E: 0.1 AA: 1.0			
NORTHERN IRELAND	R	PBTC: NIL	PB1&2: NIL		VTSC: NIL	SE: 0.01	E: 0.1, A: 0.25			

FG COUNTRIES

CANADA	R	FG1: 0	FG2: 0	FG3: 0	FG4: 0.1	FG5: 0.1	FG6: 0.2	FG7: 1		
CZECH REPUBLIC		FG1: 0.1	FG2: 0.2	FG3: 0.4	FG4: 1	FG5: 3				
CHILE	R	FG1: 0	FG2 PB: 0.1	FG3 B: 0.25	FG4 C1: 1	FG5 C2: 2	FG6 C3: 3			
MEXICO	PVX	FG1: 0.04	FG2: 0.4	FG3: 0.4	FG4: 0.4	FG5: 3.0				
UNITED STATES	R	FG1: 0	FG2: 0.10	FG3: 0.1	FG4: 0.25	FG5: 0.5				

### 16.3 Leaf roll virus

	Tolerance %									
	Reported (R) Not reported (NR)	Pre-Basic Classes (see 3.0)			Basic Classes (see 3.0)			Certified Classes (see 3.0)		
ARGENTINA	R									
BELARUS	R	0			1			10		
BELGIUM	R	0								
BOSNIA & HERZEGOVINA										
BULGARIA	R*	*			*			*	*	
COLOMBIA	R	IM :0	SE: 0	E: 0	B: 1	R: 2		C: 5		
CYPRUS										
DENMARK			0.1			0.2			0.5	
FINLAND	NR									
FRANCE										
GERMANY	R	together with severe mosaic								
GREECE	R				0.6			2		
IRELAND		NS1: 0	NS2: 0		FS1: NIL	FS2: NIL	SE: NIL	E: 0.1		
ISRAEL			0			1			2	
ITALY	R									
LATVIA										
LUXEMBOURG	R									
NETHERLANDS	R	Clones: 0			S: 0.03	SE: 0.03	E: 0.1	A: 0.25	B: 0.5	
NORWAY	R	P			P			P		
PORTUGAL										
RUSSIAN FEDERATION	R		0	0	SSE : 0	SE : 0	E: 0.6	R1: 1.2	R2 :1.5	R3: 2.4
SLOVAKIA	R	together with sever mosaic								
SLOVENIA	R	IS: 0	S1: 0	S2:0	SE1: 0.03	SE2: 0.03	E: 0.1	A: 0.25	B: 0.5	C: 1.5
SWEDEN	R	S1: 0	S2: 0	S3:0	SE1: 0.2	SE2: 0.2	E: 0.7	A: 10		
SWITZERLAND										
TURKEY										
ENGLAND and WALES	R	PBTC: NIL	PBFG: NIL		VTSC: NIL	SE: 0.01		E: 0.1, AA: 1.0		
SCOTLAND	R	PBTC: NIL	PB1&2: NIL		VTSC: NIL	SE: 0.01		E: 0.1, AA: 1.0		
NORTHERN IRELAND	R	PBTC: NIL	PB1&2: NIL		VTSC: NIL	SE: 0.01		E: 0.1, A: 0.25		

\*other viruses include: PLRV+PVY

#### FG COUNTRIES

CANADA	R	FG1: 0	FG2:0	FG3: 0	FG4: 0.1	FG5: 0.1	FG6: 0.2	FG7: 1.0		
CZECH REPUBLIC		FG1: 0.1	FG2: 0.2	FG3: 0.4	FG4: 1	FG5: 3				
CHILE	R									
MEXICO	PLRV	FG1: 0.2	FG2: 0.2	FG3: 0.2	FG4: 0.2	FG5: 1.0				
UNITED STATES	R	FG1: 0	FG2: 0.10	FG3: 0.1	FG4: 0.25	FG5: 0.5				

16.4 Mild Mosaic

	Reported (R) Not reported (NR)	Tolerance %								
		Pre-Basic Classes (see 3.0)			Basic Classes (see 3.0)			Certified Classes (see 3.0)		
ARGENTINA	R									
BELARUS	R	0			3					
BELGIUM	R	0								
BOSNIA & HERZEGOVINA										
BULGARIA										
COLOMBIA	R	IM: 0	SE: 0	E: 0	B: 1	R: 2		C: 5		
CZECH REPUBLIC		FG1: 0.1	FG2: 0.2	FG3: 0.4	FG4: 1	FG5: 3				
CHILE	R	FG1: 0	FG2 PB: 0.1	FG3 B: 0.25	FG4 C1: 1	FG5 C2: 2	FG6 C3: 3			
CYPRUS										
DENMARK										
FINLAND	NR									
FRANCE										
GERMANY	R	0,1	0,1	0,1	0,2	0,4	0,4	3,0		
GREECE	R				0,6					
IRELAND		NS1: 0	NS2: 0		FS1: NIL	FS2: NIL	SE: 0.05	E: 0.5		
ISRAEL			0			1			1	
ITALY	R									
LATVIA										
LUXEMBOURG	R									
MEXICO PVy		FG1: 0.2	FG2: 0.2	FG3: 0.2	FG4: 0.2	FG5: 1.0				
NETHERLANDS	R	Clones: 0	S: 0.03			SE: 0.03	E: 0.1	A: 2	B: 4	
NORWAY	R	0.05			0.2			0.5		
PORTUGAL										
RUSSIAN FEDERATION	R		0.5	1.5	SSE : 1.8	SE : 1.8	E: 3.0	R1: 6.0	R2: 9.0	R3: 10.2
SLOVAKIA	R			TC V2 0.0	SE1: 0.4	SE2: 0.4	E: 0.6	C1: 2.0	C2: 3.0	
SLOVENIA	R	IS: 0	S1: 0.01	S2: 0.01	SE1: 0.05	SE2: 0.05	E: 0.5	A: 2	B: 3	C: 6
SWEDEN	R									
SWITZERLAND	R									
TURKEY										
ENGLAND and WALES	R	PBTC: NIL	PBFG: NIL		VTSC: NIL	SE: 0.05	E: 0.5* , AA:		CC: 5.0	
SCOTLAND	R	PBTC: NIL	PB1&2: NIL		VTSC: NIL	SE: 0.01	E: 0.1 AA:1.0			
NORTHERN IRELAND	R	PBTC: NIL	PB1&2: NIL		VTSC: NIL	SE: 0.05	E: 0.5 A:1.0			

FG COUNTRIES

CANADA	R	FG1: 0	FG2: 0	FG3: 0	FG4: 0.1	FG5: 0.1	FG6: 0.2	FG7: 1.0		
CZECH REPUBLIC		FG1: 0.1	FG2: 0.2	FG3: 0.4	FG4: 1	FG5: 3				
CHILE	R	FG1: 0	FG2 PB: 0.1	FG3 B: 0.25	FG4 C1: 1	FG5 C2: 2	FG6 C3: 3			
MEXICO		FG1: 0.2	FG2: 0.2	FG3: 0.2	FG4: 0.2	FG5:1.0				
UNITED STATES	R	FG1: 0	FG2: 0.1	FG3: 0.1	FG4: 0.25	FG5: 0.5				

\*Including leafroll and severe mosaic virus

## 16.5 Other Viruses

	Reported (R) Not reported (NR)	Tolerance								
		Pre-Basic Classes (see 3.0)			Basic Classes (see 3.0)			Certified Classes (see 3.0)		
ARGENTINA	R									
BELARUS	R	3			3			3		
BELGIUM	R									
BOSNIA & HERZEGOVINA										
BULGARIA	R *	0.2			0.2			A: 0.6	B: 2	
COLOMBIA	R yellow veins	IM: 0	SE: 0	E: 0	B: 0	R: 1		C: 1		
CYPRUS										
DENMARK										
FINLAND	NR									
FRANCE										
GERMANY	NR									
GREECE										
IRELAND		NS1: 0	NS2: 0		FS1: NIL	FS2: NIL	SE: NIL	E: NIL		
ISRAEL			0			1			2	
ITALY	R									
LATVIA										
LUXEMBOURG	NR									
NETHERLANDS	TRV R	Clones: 0			S: 0.25	SE: 0.25	E: 0.5	n/a	n/a	
NORWAY										
PORTUGAL					EC1: 0.3, EC2: 0.3	EC3: 0.7	SE: 0.5, E: 1	A: 2	B: 6	
RUSSIAN FEDERATION	R									
SLOVAKIA										
SLOVENIA	R	IS: 0	S1: 0	S2: 0	SE1: 0	SE2: 0	E: 0	A: 0.02	B: 0.02	C: 0.02
SWEDEN	NR									
SWITZERLAND										
TURKEY										
ENGLAND and WALES	NR									
SCOTLAND	R	PBTC: NIL	PB1&2: NIL		VTSC: NIL					
NORTHERN IRELAND	R	PBTC: NIL	PB1&2: NIL		VTSC: NIL					

### FG COUNTRIES

CANADA	R	FG1: 0	FG2: 0	FG3: 0	FG4: 0.1	FG5: 0.1	FG6: 0.2	FG7: 1		
CZECH REPUBLIC	include SVD	FG1: 0.5	FG2: 0.5	FG3: 1	FG4: 3	FG5: 6				
CHILE										
MEXICO	PVA, PVS	FG1: 0.2	FG2: 0.2	FG3: 0.2	FG4: 0.2	FG5: 1.0				
UNITED STATES	R	FG1: 0	FG2: 0.10	FG3: 0.1	FG4: 0.25	FG5: 0.5				

\*Other viruses include: PLRV+PVY

16.6 Total Virus

	Reported (R) Not reported (NR)	Tolerance %								
		Pre-Basic Classes (see 3.0)			Basic Classes (see 3.0)			Certified Classes (see 3.0)		
ARGENTINA	R									
BELARUS	R	0.4			4			10		
BELGIUM	R				0.1	0.2	0.3	1	3	
BOSNIA & HERZEGOVINA	R		0			0.25			0.5	
BULGARIA										
COLOMBIA										
CYPRUS										
DENMARK										
FINLAND	R			SE: 0.2	E1: 0.2	E2: 0.5	E3: 0.5	A: 2.0	B: 10.0	
FRANCE		0.1	0.1	0.1	SE: 0.25	SE: 0.25	E: 0.33	A: 1	A: 1	B: 1
GERMANY	R	0.1	0.1	0.1	0.2	0.4	0.4	0.6		
GREECE					0.6			2		
IRELAND		NS1: 0	NS2: 0		FS1: NIL	FS2: NIL	SE: 0.05	E: 0.5		
ISRAEL		0				2			2	
ITALY					S: 0.5	SE: 0.5	E: 1	A: 3	B: 6	
LATVIA	R	PB: 0.5			B1: 4	B2: 4	B3: 4	C1: 10*	C2: 10*	
LUXEMBOURG		0.1			0.1	0.2	0.2	0.4	0.6	
NETHERLANDS	Mosaic +PLRV	Clones: 0			S: 0.03	SE: 0.03	E: 0.1	A: 2.0	B: 4	
NORWAY	R	0.05			0.5			2		
PORTUGAL		S: 01			EC1: 0.5, EC2: 0.5	EC3: 1	SE: 0.7, E: 1.3	A: 3	B: 9	
RUSSIAN FEDERATION	R	-	-	-	SSE: 1.8	SE: 1.8	E: 3.6	R1: 7.2	R2: 11.0	R3: 13.6
SLOVAKIA	R together with other virus			TC V2 0.0	SE1: 0.5	SE2: 0.6	E: 1.0		C1: 3.0	C2: 6.0
SLOVENIA	R	IS: 0	S1: 0.01	S2: 0.01	SE1: 0.05	SE2: 0.05	E: 0.5	A: 2.0	B: 3	C: 6
SWEDEN		S1: 0	S2: 0	S3: 0	SE1: 0.2	SE2: 0.2	E: 0.7	A: 10		
SWITZERLAND		F1-F3: 0	F4: 0.02		S: 0.02	SE1-SE3: 0.04	E: 0.06	A: 0.2		
TURKEY			0			0			1	
ENGLAND and WALES	R	PBTC: NIL	PBFG: NIL		VTSC: NIL	SE: 0.06	E: 0.5, AA: 1.0		CC: 5.0	
SCOTLAND	R	PBTC: NIL	PB1&2: NIL		VTSC: NIL	SE: 0.06	E: 0.5, AA: 1.0			
NORTHERN IRELAND	R	PBTC: NIL	PB1&2: NIL		VTSC: NIL	SE: 0.06	E: 0.5, A: 1.0			

FG COUNTRIES

CANADA	R	FG1: 0	FG2: 0	FG3: 0	FG4: 0.1	FG5: 0.1	FG6: 0.2	FG7: 1		
CZECH REPUBLIC	include SVD	FG1: 0.5	FG2: 0.5	FG3: 1	FG4: 3	FG5: 6				
CHILE		FG1: 0	FG2 PB: 0.2	FG3 B: 0.25	FG4 C1: 2	FG5 C2: 4	FG6 C3: 6			
MEXICO	5	FG1: 0.64	FG2: 1.0	FG3: 1.0	FG4: 1.0	FG5: 6.0				
UNITED STATES	R	FG1: 0	FG2: 0.10	FG3: 0.1	FG4: 0.25	FG5: 0.5				



16.7 Potato Wart, *Synchytrium endobioticum*

	Reported (R) Not reported (NR)	Tolerance %								
		Pre-Basic Classes (see 3.0)			Basic Classes (see 3.0)			Certified Classes (see 3.0)		
ARGENTINA	NR									
BELARUS	R	3			3			3		
<b>BELGIUM</b>		(P)			(P)	(P)	(P)	(P)	(P)	
BOSNIA & HERZEGOVINA	R		0			0			0	
BULGARIA	R	not admitted			not admitted			not admitted	not admitted	
COLOMBIA	NR									
CYPRUS										
DENMARK	(P)									
FINLAND	R			SE: (P)	E1: (P)	E2: (P)	E3: (P)	A: (P)	B: (P)	
FRANCE			N/T			N/T			N/T	
GERMANY	R	(P)	(P)	(P)	(P)	(P)	(P)	(P)		
GREECE	NR									
IRELAND		NS1: 0	NS2: 0		FS1: NIL	FS2: NIL	SE: NIL	E: NIL		
ISRAEL			0			0			0	
ITALY	NR	(P)	(P)	(P)	(P)	(P)	(P)	(P)	(P)	
LATVIA	R	(P)			(P)	(P)	(P)	(P)	(P)	
LUXEMBOURG	NR	(P)			(P)	(P)	(P)	(P)	(P)	
NETHERLANDS	R	(P)			(P)	(P)	(P)	(P)	(P)	
NORWAY	NR	(P)			(P)			(P)		
PORTUGAL		(P)	(P)	(P)	(P)	(P)	(P)	(P)	(P)	
RUSSIAN FEDERATION	R		0	0	-	-	-	-	-	
SLOVAKIA	R			TC V2 0.0	SE1: 0.0	SE2: 0.0	E: 0.0		C1: 0.0 C2: 0.0	
SLOVENIA	R	IS: (P)	S1: (P)	S2: (P)	SE1: (P)	SE2: (P)	E: (P)	A: (P)	B: (P) C: (P)	
SWEDEN	R	S1: 0	S2: 0	S3:0	SE1: 0.0	SE2: 0.0	E:0.0	A: 0.0		
SWITZERLAND	S	F1-F3: (P)			S: (P)			A: (P)		
TURKEY										
ENGLAND and WALES	R	PBTC: NIL	PBFG: NIL		VTSC: NIL	SE: NIL	E: NIL, AA: NIL		CC: NIL	
SCOTLAND	R	PBTC: (P)	PB1&2: (P)		VTSC: (P)	SE: (P)	E: (P), AA: (P)			
NORTHERN IRELAND	R	PBTC: NIL	PB1&2: NIL		VTSC: NIL	SE: NIL	E, AA: NIL			
<b>FG COUNTRIES</b>										
CANADA	R	FG1: (P)	FG2: (P)	FG3: (P)	FG4: (P)	FG5: (P)	FG6: (P)	FG7: (P)		
CZECH REPUBLIC		FG1: (P)	FG2: (P)	FG3: (P)	FG4: (P)	FG5: (P)				
CHILE	NR	FG1: (P)	FG2: (P)	FG3: (P)	FG4: (P)	FG5: (P)	FG6: (P)			
MEXICO	NR									
UNITED STATES		FG1: 0	FG2: 0	FG3: 0	FG4: 0	FG5: 0				

16.8 Blackleg, *Erwinia spp.*

	Reported Not reported (NR)	Tolerance %								
		Pre-Basic Classes (see 3.0)			Basic Classes (see 3.0)			Certified Classes (see 3.0)		
ARGENTINA	R									
BELARUS	R	0			0		2			
<b>BELGIUM</b>	R	0			0	0.1	0.2	0.5	1.0	
BOSNIA & HERZEGOVINA	R		0			2			4	
BULGARIA	R	0.4			0.4			A: 1	B: 2	
COLOMBIA	R	IM: 0	SE: 0	E: 0	B: 0	R: 1		C: 2		
CYPRUS										
DENMARK			0.3						1	
FINLAND	R			SE: 0.0	E1: 0.0	E2: 0.5	E3: 0.5	A: 1.0	B: 2.0	
FRANCE					SE: 0	SE: 0	E: 0.5	A: 1.0	A: 1	B: 1
GERMANY	R	0 / 0.2	0 / 0.2	0 / 0.2	EG1 0 / 0.2	EG2 0,2 / 0.4	EG3 1 / 0.6	1.2		
GREECE	R									
IRELAND		NS1: 0	NS2: 0		FS1: NIL	FS2: NIL	SE: 0.25	E: 0.5		
ISRAEL			0				1		2	
ITALY	R				S: 0.0	SE: 0.5	E: 1	A: 1.5	B: 2	
LATVIA	R	PB: 0.5			B1: 2	B2: 2	B3: 2	C1: 4	C2: 4	
LUXEMBOURG	R	0			0	0.25	0.5	1	2	
NETHERLANDS		Clones: 0			S: 0	SE: 0.0	E: 0.0	A: 0.03	B: 0.1	
NORWAY	R	0.5			1			1.5		
PORTUGAL		S: 0.0			EC1: 0, EC2: 0.5	EC3: 1	SE: 0.3, E: 0.5	A: 1	B: 2	
RUSSIAN FEDERATION	R	0	0	-	-	-	-	-	-	
SLOVAKIA	R			TC V2	SE1: 0.0	SE2: 0.6	E: 1.0		C1: 1.5	C2: 2.0
SLOVENIA	R	IS: 0	S1: 0.0	S2: 0.0	SE1: 0.0	SE2: 0.0	E: 0.0	A: 0.03	B: 0.1	C: 0.1
SWEDEN	R	S1: 0	S2: 0	S3: 0	SE1: 0.1	SE2: 0.1	E: 0.5	A: 1.		
SWITZERLAND	S	F1-F3: 0			S: 0.0	SE1-SE3: 0.02	E: 0.1	A: 1		
TURKEY			0				0		0	
ENGLAND and WALES	R	PBTC: NIL	PBFG: NIL		VTSC: NIL	SE: 0.25	E: 0.5, AA: 1.0		CC: 2.0	
SCOTLAND	R	PBTC: NIL	PBFG: NIL		VTSC: NIL	SE: 0.25	E: 0.5, AA: 1.0			
NORTHERN IRELAND	R	PBTC: NIL	PB1&2: NIL		VTSC: NIL	SE: 0.25	E: 0.5, A: 1.0			

FG COUNTRIES

CANADA	R	FG1: 0	FG2: 0	FG3: 0	FG4: 0.25*	FG5: 0.25*	FG6: 0.5	FG7: 1	
CZECH REPUBLIC		FG1: 0.0	FG2: 0.5	FG3: 1.0	FG4: 1.0	FG5: 2			
CHILE	R	FG1: 0	FG2 PB: 0.3	FG3 B: 0.5	FG4 C1: 1	FG5 C2: 2	FG6 C3: 3		
MEXICO		FG1: 0.0	FG2: 0.02	FG3: 0.05	FG4: 0.075	FG5: 1.0			
UNITED STATES		FG1: 0	FG2: 0.0	FG3: 0.0	FG4: 0.0	FG5: 0.0			

16.9 Bacterial Ring rot, *Clavibacter michiganensis* subsp. *sepedonicus*

	Tolerance %									
	Reported (R) Not reported (NR)	Pre-Basic Classes (see 3.0)			Basic Classes (see 3.0)			Certified Classes (see 3.0)		
ARGENTINA	NR									
BELARUS	R	3			3			3		
BELGIUM	R	(P)			(P)	(P)	(P)	(P)	(P)	
BOSNIA & HERZEGOVINA			(P)			(P)			(P)	
BULGARIA	R	not admitted			not admitted			not admitted	not admitted	
COLOMBIA	NR									
CYPRUS	(P)									
DENMARK	(P)									
FINLAND	R			SE: (P)	E1: (P)	E2: (P)	E3: (P)	A: (P)	B: (P)	
FRANCE	N/T									
GERMANY	R		(P)		(P)	(P)	(P)	(P)		
GREECE	NR									
IRELAND	NR									
ISRAEL			0				0			0
ITALY	NR	(P)	(P)	(P)	(P)	(P)	(P)	(P)	(P)	(P)
LATVIA	R	(P)			(P)	(P)	(P)	(P)	(P)	
LUXEMBOURG	NR	(P)			(P)	(P)	(P)	(P)	(P)	
NETHERLANDS	R	(P)			(P)	(P)	(P)	(P)	(P)	
NORWAY	R	(P)			(P)			(P)		
PORTUGAL		S: (P)			EC1: (P), EC2: (P)	EC3: (P)	SE: (P), E: (P)	A: (P)	B: (P)	
RUSSIAN FEDERATION	R		0	0	SSE: 0	SE: 0	E: 0	R1: 0	R2: 0	R3: 0.3
SLOVAKIA	R			TC V2 0.0	SE1: 0.0	SE2: 0.0	E: 0.0		C1: 0.0	C2: 0.0
SLOVENIA	R	IS: (P)	S1: (P)	S2: (P)	SE1: (P)	SE2: (P)	E: (P)	A: (P)	B: (P)	C: (P)
SWEDEN	R	S1: 0	S2: 0	S3: 0	SE1: 0.0	SE2: 0.0	E: 0.0	A: 0.0		
SWITZERLAND	S	F1-F3: (P)			S: (P)			A: (P)		
TURKEY		0			0			0		
ENGLAND and WALES	R	PBTC: (P)	PBFG: (P)		VTSC: NIL	SE: NIL	E: NIL, AA: NIL		CC: NIL	
SCOTLAND	R	PBTC: (P)	PBFG: (P)		VTSC: NIL	SE: NIL	E: NIL, AA: NIL			
NORTHERN IRELAND	NR	PBTC: NIL	PBFG: NIL		VTSC: NIL	SE: NIL	E: NIL, AA: NIL			
FG COUNTRIES										
CANADA	R	FG1: (P)	FG2: (P)	FG3: (P)	FG4: (P)	FG5: (P)	FG6: (P)	FG7: (P)		
CZECH REPUBLIC		FG1: (P)	FG2: (P)	FG3: (P)	FG4: (P)	FG5: (P)				
CHILE	NR	FG1: (P)	FG2: (P)	FG3: (P)	FG4: (P)	FG5: (P)	FG6: (P)			
MEXICO		FG1: 0.0	FG2: 0.0	FG3: 0.0	FG4: 0.0	FG5: 0.0				
UNITED STATES		FG1: 0	FG2: 0	FG3: 0	FG4: 0	FG5: 0				

16.10 Brown rot, *Ralstonia solanacearum*

	Tolerance %									
	Reported (R) Not reported (NR)	Pre-Basic Classes (see 3.0)				Basic Classes (see 3.0)			Certified Classes (see 3.0)	
ARGENTINA	R									
BELARUS	R	3				3				3
BELGIUM	R	(P)				(P)	(P)		(P)	(P)
BOSNIA & HERZEGOVINA			(P)				(P)			(P)
BULGARIA	R	not admitted				not admitted			not admitted	not admitted
COLOMBIA	R	IM: 0	SE: 0	E: 0		B: 0	R: 0		C: 0	
CYPRUS	P									
DENMARK	P									
FINLAND	R			SE: (P)		E1: (P)	E2: (P)	E3: (P)	A: (P)	B: (P)
FRANCE	N/T									
GERMANY	R	(P)	(P)	(P)		(P)	(P)		(P)	(P)
GREECE	R									
IRELAND	NR									
ISRAEL			0				0			0
ITALY	NR	(P)	(P)	(P)		(P)	(P)	(P)	(P)	(P)
LATVIA	R	(P)				(P)	(P)	(P)	(P)	(P)
LUXEMBOURG	NR	(P)				(P)	(P)	(P)	(P)	(P)
NETHERLANDS	R	(P)				(P)	(P)	(P)	(P)	(P)
NORWAY	R	(P)				(P)			(P)	
PORTUGAL		S: (P)				EC1: (P), EC2: (P)	EC3: (P)	SE: (P), E: (P)	A: (P)	B: (P)
RUSSIAN FEDERATION	R		0	0		SSE: 0	SE: 0	E: 0	R1: 0	R2: 0
SLOVAKIA	R					SE1: 0.0	SE2: 0.0	E: 0.0		C1: 0.0
SLOVENIA	R	IS: (P)	S1: (P)	S2: (P)		SE1: (P)	SE2: (P)	E: (P)	A: (P)	B: (P)
SWEDEN	R	FG1 S1: 0	FG2 S2: 0	FG3 S3:0		FG4 SE1: 0.0	FG5 SE2: 0.0	FG6 E: 0.0	A: 0.0	
SWITZERLAND	S	F1-F3: (P)				S: (P)			A: (P)	
TURKEY										
ENGLAND and WALES	R	PBTC: (P)	PBFG: (P)			VTSC: NIL	SE: NIL		E: NIL, AA: NIL	CC: NIL
SCOTLAND	R	PBTC: (P)	PBFG: (P)			VTSC: NIL	SE: NIL		E: NIL, AA: NIL	
NORTHERN IRELAND	NR	PBTC: NIL	PBFG: NIL			VTSC: NIL	SE: NIL		E: NIL, AA: NIL	
FG COUNTRIES										
CANADA	R	FG1: (P)	FG2: (P)	FG3: (P)		FG4: (P)	FG5: (P)	FG6: (P)	FG7: (P)	
CZECH REPUBLIC		FG1: (P)	FG2: (P)	FG3: (P)		FG4: (P)	FG5: (P)			
CHILE	NR	FG1: (P)	FG2: (P)	FG3: (P)		FG4: (P)	FG5: (P)	FG6: (P)		
MEXICO		FG1: 0.0	FG2: 0.0	FG3: 0.0		FG4: 0.0	FG5: 0.0			
UNITED STATES		FG1: 0	FG2: 0	FG3: 0		FG4: 0	FG5: 0			

16.11 *Rhizoctonia solani*

	Reported (R) Not reported (NR)	Tolerance %									
		Pre-Basic Classes (see 3.0)			Basic Classes (see 3.0)				Certified Classes (see 3.0)		
ARGENTINA	R										
BELARUS	NR										
BELGIUM	R	0			0.5	1	3	5	5		
BOSNIA & HERZEGOVINA			S			S			S		
BULGARIA	R	***			***			***			
COLOMBIA	R	IM: 0	SE: 0	E: 0	B: 1	R: 2		C: 5			
CYPRUS											
DENMARK	NR										
FINLAND	R			SE: 5.0	E1: 5.0	E2: 10.0	E3: 10.0	A: 10.0	B: 15.0		
FRANCE		Materiel selection 0,1,1			SE: 5	SE: 5	E: 5	A: 10	A: 10	B: 10	
GERMANY	R	4	4	4	4	6	8	16			
GREECE	R				5			10			
IRELAND		NS1: 5	NS2: 5		FS1: 5	FS2: 5	SE: 5	E: 5			
ISRAEL			0			1				1	
ITALY	R	TRACE									
LATVIA	NR										
LUXEMBOURG	R	0.5			0.5	1	2	4	5		
NETHERLANDS	R	Clones: n/a			S: n/a	SE: n/a	E: n/a	A: n/a	B: n/a		
NORWAY											
PORTUGAL		S: 1.0			EC1: 3, EC2: 5	EC3: 5	SE: 3, E: 5	A: 10	B: 10		
RUSSIAN FEDERATION	R										
SLOVAKIA	R				SE1: 25	SE2: 25	E: 25		C1: 25	C2: 25	
SLOVENIA	R	IS: 0	S1: 1	S2: 1	SE1: 2	SE2: 2	E: 3	A: 6	B: 8	C: 12	
SWEDEN	R										
SWITZERLAND	S										
TURKEY											
ENGLAND and WALES	NR										
SCOTLAND	NR	N/T			N/T			N/T			
NORTHERN IRELAND	NR	N/T									
FG COUNTRIES											
CANADA	R	*									
CZECH REPUBLIC	**										
CHILE	R	N/T									
MEXICO		FG1: 1.0	FG2: 2.0	FG3: 3.0	FG4: 4.0	FG5: 5.0					
UNITED STATES	NR										

\* Pated in field as: trace<5%, light 5-10%, moderate 10-50%, severe>50%  
 \*\* Percentualy non appreciate the evaluation 1-9 of points (low, middle, very)  
 \*\*\* Reported in 3 degrees

16.12 Late Blight, *Phytophthora infestans*

		Tolerance %									
	Reported (R) Not reported (NR)	Pre-Basic Classes(see 3.0)				Basic Classes(see 3.0)				Certified Classes(see 3.0)	
ARGENTINA	R										
BELARUS	NR										
BELGIUM	NR										
BOSNIA & HERZEGOVINA			S				S			S	
BULGARIA	R	***				***			A***	B***	
COLOMBIA	R	IM: 0	SE: 0	E: 0	B: 0	R: 5			C: 10		
CYPRUS											
DENMARK	NR										
FINLAND	NR										
FRANCE											
GERMANY	NR										
GREECE	R										
IRELAND		NS1: 0.4	NS2: 0.4		FS1: 0.4	SE: 0.4	E: 0.4		n/a		
ISRAEL			0				0.5				0.5
ITALY	R	TRACE									
LATVIA	NR										
LUXEMBOURG	R										
NETHERLANDS	R	Clones: n/a			S: n/a	SE: n/a	E: n/a		A: n/a	B: n/a	
NORWAY											
PORTUGAL	NR										
RUSSIAN FEDERATION	R										
SLOVAKIA	R				SE1: 20	SE2: 20	E: 20		C1: 20	C2: 20	
SLOVENIA	R	****									
SWEDEN	R										
SWITZERLAND	S	F1-F3: 0			S: 0.4	SE1-SE3: 1	E: 1		A: 4		
TURKEY											
ENGLAND and WALES	NR										
SCOTLAND	R	N/T			N/T				N/T		
NORTHERN IRELAND	R	N/T									
FG COUNTRIES											
CANADA	R*	****									
CZECH REPUBLIC	****										
CHILE	R	N/T									
MEXICO	NR	FG1: 0.5	FG2: 0.5	FG3: 0.75	FG4: 0.75	FG5: 1					
UNITED STATES	R										

\* Rated in field as: trace<5%, light 5-10%, moderate 10-50%, severe>50%.  
 \*\* some spots no more than 5% plants infected  
 \*\*\* reported in three degrees.  
 \*\*\*\* no more than 30%  
 \*\*\*\*\* percentually non appreciate the evaluation 1-9 of points (low, middle, very).

16.13 Early Blight, *Alternaria solani*

	Tolerance %									
	Reported (R) Not reported (NR)	Pre-Basic Classes (see 3.0)			Basic Classes (see 3.0)			Certified Classes (see 3.0)		
ARGENTINA	R									
BELARUS	NR									
BELGIUM	NR									
BOSNIA & HERZEGOVINA			S			S			S	
BULGARIA	R									
COLOMBIA	R	IM: 0	SE: 0	E: 0	B: 5	R: 10		C: 15		
CYPRUS										
DENMARK	NR									
FINLAND	NR									
FRANCE										
GERMANY	NR									
GREECE	R									
IRELAND	NR									
ISRAEL			0			1				
ITALY	R	TRACE								
LATVIA	NR									
LUXEMBOURG	S									
NETHERLANDS	R	Clones: n/a			S: n/a	SE: n/a	E: n/a	A: n/a	B: n/a	
NORWAY										
PORTUGAL	NR									
RUSSIAN FEDERATION	R									
SLOVAKIA	R				SE1: 20	SE2: 20	E: 20	C1: 20	C2: 20	
SLOVENIA	R	**								
SWEDEN	R									
SWITZERLAND	S									
TURKEY										
ENGLAND and WALES	NR									
SCOTLAND	NR									
NORTHERN IRELAND	NR									
FG COUNTRIES										
CANADA	R	***								
CZECH REPUBLIC	*									
CHILE	R	N/T								
MEXICO										
UNITED STATES	NR									

\* percentually non appreciate the evaluation 1-9 of points (low, middle, very).

\*\* some spots no more than 5% plants infected.

\*\*\* no more than 30%

16.14 Purple top, Stolbur, Aster yellows (phytoplasma)

	Reported (R) Not reported (NR)	Tolerance %								
		Pre-Basic			Basic			Certified		
		Classes (see 3.0)			Classes (see 3.0)			Classes (see 3.0)		
ARGENTINA	NR									
BELARUS	NR									
BELGIUM	NR									
BOSNIA & HERZEGOVINA			S			S				S
BULGARIA	R	Pre-Basic			P			P		P
COLOMBIA	NR									
CYPRUS	P									
DENMARK	NR									
FINLAND	NR									
FRANCE	N/T									
GERMANY	NR									
GREECE	NR									
IRELAND	NR									
ISRAEL			0			NR				NR
ITALY	R	TRACE								
LATVIA	NR									
LUXEMBOURG	NR									
NETHERLANDS	NR	(P)			(P)	(P)	(P)	(P)	(P)	(P)
NORWAY										
PORTUGAL	NR									
RUSSIAN FEDERATION	R									
SLOVAKIA	R				SE1: 0.0	SE2: 0.0	E: 0.0		C1: 0.0	C2: 0.0
SLOVENIA	R	IS: (P)	S1: (P)	S2: (P)	SE1: (P)	SE2: (P)	E: (P)	A: (P)	B: (P)	C: (P)
SWEDEN	R									
SWITZERLAND	S	F1-F3: (P)			S: (P)			A: (P)		
TURKEY										
ENGLAND and WALES	NR									
SCOTLAND	P	N/T			N/T			N/T		
NORTHERN IRELAND	NR									
FG COUNTRIES										
CANADA	R	*								
CZECH REPUBLIC		FG1: P	FG2: P	FG3: P	FG4: P	FG5: P				
CHILE	NR	FG1: P	FG2: P	FG3: P	FG4: P	FG5: P				
MEXICO										
UNITED STATES	R	FG1: 0	FG2:0.10	FG3:0.1	FG4: 0.25	FG5: 0.5				

\*Rated in field as: trace<5%, light 5-10%, moderate 10-50%, severe>50%



16.15 Wilts, *Verticillium* spp. *Fusarium* spp.

	Reported (R) Not reported (NR)	Tolerance %								
		Pre-Basic Classes (see 3.0)			Basic Classes (see 3.0)			Certified Classes (see 3.0)		
ARGENTINA	R									
BELARUS	NR									
BELGIUM	R	0			0.3	0.5	1	2	2	
BOSNIA & HERZEGOVINA			S			S			S	
BULGARIA	R									
COLOMBIA	R	IM: 0	SE: 0	E: 0	B: 0	R: 1		C: 2		
CZECH REPUBLIC	* **									
DENMARK	NR									
FINLAND	NR									
FRANCE										
GERMANY	NR									
GREECE	R				2			7		
IRELAND										
ISRAEL			0			2			5	
ITALY	R	TRACE								
LATVIA	NR									
LUXEMBOURG	R	0.1			0.1	0.25	0.5	1	2	
NETHERLANDS	R	Clones: 2			S: 2	SE: 2	E: 3	A: 4	B: 8	
NORWAY										
PORTUGAL		S: 0.2			EC1: 0.6, EC2: 1	EC3: 1	SE: 0.6, E: 1	A: 3	B: 5	
RUSSIAN FEDERATION	R									
SLOVAKIA	R									
SLOVENIA	R	IS: 0	S1: 2	S2: 2	SE1: 2	SE2: 2	E: 3	A: 4	B: 8	C: 8
SWEDEN	R									
SWITZERLAND	S									
TURKEY			0			1			2	
ENGLAND and WALES	NR									
SCOTLAND	NR	N/T			N/T			N/T		
NORTHERN IRELAND	NR									
FG COUNTRIES										
CANADA	R	FG1: 0	FG2: 0	FG3: 0	FG4: **	FG5: **	FG6: 0***			
CHILE	R	N/T								
CYPRUS										
MEXICO		FG1: 0.0	FG2: 0.025	FG3: 0.03	FG4: 0.04	FG5: 0.05				
UNITED STATES	R	FG1: 0	FG2: 0.025	FG3: 0.1	FG4: 0.25	FG5: 0.5				

\* Most appreciate only in the specimen  
 \*\* maximum total of 0.25  
 \*\*\* total of 0.5

16.16 Other

	Reported (R) Not reported (NR)	Tolerance %							
		Pre-Basic Classes (see 3.0)			Basic Classes(see 3.0)			Certified Classes(see 3.0)	
BELGIUM									
Weak seeds	R	0			1	2	3	5	10
CHILE									
erwinia sp.	4%								
GERMANY									
missing plants	R	15	15	15	15	15	20	20	
IRELAND									
dry rot		NS1: 0.4	NS2: 0.4		FS1: 0.4	SE: 0.4	E: 0.4	n/a	
soft rot		NS1: 0.1	NS2: 0.1		FS1: 0.1	SE: 0.1	E: 0.1	n/a	
ISRAEL									
fusarium						1			1
PORTUGAL									
missing or weak plants		S: 1.0			EC1: 4, EC2: 6	EC3: 6	SE: 4, E: 6	A: 8	B: 10
SWITZERLAND									
tomato spotted Wilt virus	S	F1-F3: (P)			S: (P)			A: (P)	
TURKEY									
pseudomonas solanacearum			0			0			0
ditylenchus dipsaci			0			0			0
globodera rostochiensis, G.pallida			0			0			0
Ditylenchus derstructur			0			0			0
other species including off type			0			0.5			1
SCOTLAND									
Tobacco Tattle virus	R	N/T							
MOP TOP VIRIS	R	N/T							
APHIDS	R	10 aphid colonies/105 leaf lets							
Potato tuber moth (phthorimaea operculella), PSTV, Colorado Beetle and Potato Tuber Eelworm (Ditglenchils destructor) also P.									
UNITED STATES									
PSTV	R	FG1: 0	FG2: 0	FG3: 0	FG4: 0.	FG5: 0			

## 17 POST HARVEST CONTROL

### 17.1 Post harvest control on tuber samples before seed lot is eligible for final certification

	Pre-Basic		Basic		Certified									
		%		%		%								
ARGENTINA														
BELARUS														
BELGIUM	+	100%	+	100%	+	100%								
BOSNIA & HERZEGOVINA	+		+		+									
BULGARIA	+	100%	+	100%	+	100%								
COLOMBIA	+	5%	+	3%	+	2%								
CYPRUS	+		+		+									
DENMARK	+	100%	+	38%	+	69%								
FINLAND	+		+		+									
FRANCE	materiel de selection		+	100%	+	100%								
GERMANY	+	100%	+	100%	+	100%								
GREECE			+	100%	+	25%								
IRELAND	-		-		-									
ISRAEL	+	100%	+	100%	-									
ITALY	+	100%	+	100%	+	100%								
LATVIA	+	100%	+B1	100%										
LUXEMBOURG	+	100%	+	100%	+	100%								
NETHERLANDS	+	100%	+**	80%	+	40%								
NORWAY	+	100%	+	100%	+	100%								
PORTUGAL	+	100%	+	100%	+	70%								
RUSSIAN FEDERATION	+													
SLOVAKIA	-		+	100%	+	100%								
SLOVENIA	+	100%	+	100%	+	100%								
SWEDEN	+	0%	+	0.4%	+	1%;10%								
SWITZERLAND	+	100%	+	100%	+	100%								
TURKEY	+		+		+									
ENGLAND and WALES	-		-		-									
SCOTLAND	+		+		N/a									
NORTHERN IRELAND	-		-											
FG COUNTRIES														
	FG1	%	FG2	%	FG3	%	FG4	%	FG5	%	FG6	%	FG7	
CANADA	+		+		+		+		+		+			
CZECH REPUBLIC	+	100%	+	100%	+	100%	+	100%	+	100%				
CHILE	+	100%	+	100%	+	100%	+	100%	+	100%	+	100%		
MEXICO	+	100%	+	100%	+	100%	+	100%	+	100%				
UNITED STATES	+		+		+		+		+					

## 17.2 Components of Post Harvest testing

	Pre-Basic		Basic		Certified	
	Laboratory test	Field Grow out	Laboratory test	Field Grow out	Laboratory test	Field Grow out
ARGENTINA	+	+	+	-	+	-
BELARUS	+	+	+	+	+	-
BELGIUM	+	+	+	+	+	+
BOSNIA & HERZEGOVINA						
BULGARIA	ELISA	+	ELISA	+	ELISA Class A and B	ELISA Class A and B
COLOMBIA	-	storage	-	storage	-	storage
CYPRUS						
DENMARK	+	-	+	-	+	-
FINLAND	+	-	+	-	+	-
FRANCE	+	+	+	+	+	+
GERMANY	+	+	+	+	+	-
GREECE			+	+	+	+
IRELAND	n/a	n/a	n/a	n/a	n/a	n/a
ISRAEL	+	-	+	-		-
ITALY	+	+	+	+	+	+
LATVIA	+	-	B1	-	-	-
LUXEMBOURG	+	+	+	+	+	+
NETHERLANDS	+	-	+	-	+	-
NORWAY	+		+		+	
PORTUGAL	+		+		+	
RUSSIAN FEDERATION	+	+	-	+	-	+
SLOVAKIA			+	+	+	+
SLOVENIA	+	+	+	+	-	+
SWEDEN	+	-	+	-	+	-
SWITZERLAND	+	+	+	+	+	+
TURKEY	-	+	-	+	-	+
ENGLAND and WALES	+	+	+	+	+	+
SCOTLAND	+	-	+	-		
NORTHERN IRELAND	No testing	-	-	-	-	-

### FG COUNTRIES

	FG1		FG2		FG3		FG4		FG5		FG6	
	Laboratory test	Field Grow out	Laboratory test	Field Grow out	Laboratory test	Field Grow out	Laboratory test	Field Grow out	Laboratory test	Field Grow out	Laboratory test	Field Grow out
CANADA	+	+	+	+	+	+	+	+	+	+	+	+
CZECH REPUBLIC	+	+	+	+	+	-	+	-	+	-	-	-
CHILE	+	-	+	-	+	-	+	-	+	-	+	+
MEXICO	+	+	+	+	+	+	+	+	+	+	-	-
UNITED STATES	-	+	-	+	-	+	-	+	-	+	-	-

### 17.3 Minimum size of sample

	Pre-Basic seed		Basic Seed		Certified seed		Depends on the cultivar and the area
	Laboratory	Field Grow out	Laboratory	Field Grow out	Laboratory	Field Grow out	
	FG1		FG2		FG3		
ARGENTINA	4x100 tubers	1x100	3x100		1x100		
BELARUS							
BELGIUM	120 tubers/25 T	120 tubers/25 T	120 tubers/25 T	120 tubers/25 T	120 tubers/25 T	120 tubers/25 T	no
BOSNIA & HERZEGOVINA							
BULGARIA	200 tubers	100 plants	200 tubers	100 plants	Class A,B: 100 tubers	Class A,B: 100 plants	
COLOMBIA		storage 30 tubers		300 tubers		200 tubers	
CYPRUS							
DENMARK	120		120		120		
FINLAND							Yes
FRANCE	See 5.4 sampling						
GERMANY	100-200		100-200		100-200		
GREECE			300tubers	200 tubers	300 tubers	200 tubers	
IRELAND	n/a	n/a	n/a	n/a	n/a	n/a	n/a
ISRAEL	100		100				
ITALY	120 tubers	120 tubers	120 tubers	120 tubers	120 tubers	120 tubers	
LATVIA	400 tubers		B1 400 tubers				
LUXEMBOURG	300 tubers	100 tubers	300 tubers	100 tubers	300 tubers	100 tubers	
NETHERLANDS	200		200		100		
NORWAY	200/400		200		200		
PORTUGAL	100 tubers/ha		100 tubers/ha		100 tubers/field		
RUSSIAN FEDERATION	200		100		100		
SLOVAKIA			100	100	100	100	
SLOVENIA	2x100	2x100	2x100	2x100		100	Yes
SWEDEN	300/5ha		300/5ha		200/5ha, 100/10ha		Yes
SWITZERLAND	280-450	100	280-450	100	45-180	100	
TURKEY							Yes
ENGLAND and WALES	100 tubers	100 tubers	100 tubers	100 tubers	100 tubers	100 tubers	
SCOTLAND	150		150				
NORTHERN IRELAND	n/a	n/a	n/a	n/a	n/a	n/a	

#### FG COUNTRIES

	Laboratory	Field Grow out	Laboratory	Field Grow out	Laboratory	Field Grow out	Laboratory	Field Grow out	Laboratory	Field Grow out	Laboratory	Field Grow out	Depends on the cultivar and the area
	FG1		FG2		FG3		FG4		FG5		FG6		
CANADA	400	400	400	400	400	400	400	400	400	400	400	400	
CZECH REPUBLIC	220tubers/20000m2	100tubers	220tubers/20000m2	100tubers	220tubers/20000m2		220tubers/20000m2		220tubers/20000m2				
CHILE			220tubs		220tubs		110tubs		110tubs		110tubs	110tubs	Yes
MEXICO	150		150		150		150		150				
UNITED STATES		200		400		400		400		400			

\*Depends on laboratory test method

17.4 Responsible for sampling

	Government officer	Authorized or accredited person	other
ARGENTINA	+	+	technical director of the company
BELARUS	-	-	
BELGIUM	+		
BOSNIA & HERZEGOVINA		-	
BULGARIA	+	-	
CANADA	+	+	inspection staff
COLOMBIA	+	-	
CZECH REPUBLIC	+	-	
CHILE	+	-	
CYPRUS	-	-	
DENMARK	-	+	
FINLAND		+	
FRANCE		+	
GERMANY	-	+	
GREECE	+		
IRELAND	+	-	
ISRAEL	+	-	
ITALY	+		
LATVIA	+		
LUXEMBOURG	+	+	
MEXICO	+	+	
NETHERLANDS	-	-	officer inspection service
NORWAY	-		The growers
PORTUGAL	+		
RUSSIAN FEDERATION	+	+	
SLOVAKIA	+	-	
SLOVENIA	-	+	
SWEDEN	-	+	
SWITZERLAND	+	+	PB; F1; F2: official service
TURKEY	+	+	
ENGLAND and WALES	+		
SCOTLAND	+	-	n/a
NORTHERN IRELAND			
UNITED STATES	-	+	

## 18. PATHOGENS EVALUATED BY POST HARVEST CONTROL

### 18.1 *Clavibacter michiganensis sepedonicus*

	type of test		Analysis method				OTHER	Tolerance % or Presence (P) or Absence (A) Depends on the categories			Sample Size
	Lab	Field	visual	PCR	IMF	ELISA		Pre-Basic	Basic	Certified	
ARGENTINA											
BELARUS	+	+	+			+	0	0	0	100	
BELGIUM	+		+	+	+		0	0	0	120/25t	
BOSNIA & HERZEGOVINA	+	+	+			+	0	0	0	110	
BULGARIA		+	+		+		1			200	
COLOMBIA											
CYPRUS	+		+		+					200	
DENMARK	+		+		+	+	0	0	0	200	
FINLAND	T			+	+		0	0	0	200	
FRANCE	+			+	+		0	0	0	See 5.4	
GERMANY	T			+	+		A	A	A	210tubers of 3ha or 50t	
GREECE	T		+	+	+		DI		A	200	
IRELAND	+	+	+		+		A	A		200	
ISRAEL											
ITALY							A	A	A		
LATVIA	+						0	0	0	200	
LUXEMBOURG	+			+	+		0	0	0	200/20T	
NETHERLANDS	T				+		A	A	A	200/25 tonnes	
NORWAY	+				+		0	0	0	200/400 tubers	
PORTUGAL	T			+	+		P	P	P	200	
RUSSIAN FEDERATION	+	+	+		+		0	-	-	For lab test 200L; 200T	
SLOVAKIA	+	+	+	+	+	+	0	0	0	200	
SLOVENIA	+	+	+		+		P	P	P	200	
SWEDEN	T			+	SEI					200/5 ha	
SWITZERLAND	+	+	+		+		A	A	A	200labo, 100champs	
TURKEY	+	+	+				0	0	0		
ENGLAND and WALES	+	+	+	+	+	+	nil	nil	nil		
SCOTLAND											
NORTHERN IRELAND											
FG COUNTRIES											
CANADA	T	+	+		+	+	FG1:0, FG2:0, FG3:0, FG4:0, FG5:0, FG6:0			400	
CZECH REPUBLIC											
CHILE											
MEXICO		+	+				FG1:0, FG2:0, FG3:0, FG4:0, FG5:0				
UNITED STATES											

18.2 *Ralstonia solanacearum*

	type of test		Analysis method				OTHER	Tolerance % or Presence (P) or Absence (A) Depends on the categories			Sample Size
	Lab	Field	visual	PCR	IMF	ELISA		Pre-Basic	Basic	Certified	
ARGENTINA	+				+		0	0	0	200 tubers	
BELARUS							0	0	0	100	
BELGIUM	+		+	+	+		0	0	0	120/25t	
BOSNIA & HERZEGOVINA	+	+	+			+	0	0	0	110	
BULGARIA	+		+		+		1			200	
COLOMBIA	T					T	0	0	0	300	
CYPRUS	+		+		+					200	
DENMARK	+		+		+	+	0	0	0	200	
FINLAND	T			+	+		0	0	0	200	
FRANCE	+			+	+		0	0	0	See 5.4	
GERMANY	T			+	+		A	A	A	210tubers of 3ha or 50t	
GREECE	T		+	+	+		DI	A	A	200	
IRELAND	+	+	+		+		A	A	A	200	
ISRAEL*	+		+	+	+	+	A	A	A	200	
ITALY							A	A	A		
LATVIA	+				T	T	0	0	0	200	
LUXEMBOURG	+			+	+		0	0	0	200/20 T	
NETHERLANDS	T				+		A	A	A	200/25 tonnes	
NORWAY	+				+		0	0	0	200/400 tubers	
PORTUGAL	T			+	+		P	P	P	200	
RUSSIAN FEDERATION		+	+		+		0	-	-	For lab test 200L; 200T	
SLOVAKIA	+	+	+	+	+	+	0	0	0	200	
SLOVENIA	+	+	+	+	+		P	P	P	200	
SWEDEN											
SWITZERLAND	+	+	+			+	A	A	A	200labo, 100champs	
TURKEY											
ENGLAND and WALES	+	+	+	+	+	+	NIL	NIL	NIL		
SCOTLAND											
NORTHERN IRELAND											
FG COUNTRIES											
CANADA			+				FG1: A, FG2: A, FG3: A, FG4:A, FG5:A, FG6:A				
CZECH REPUBLIC											
CHILE											
MEXICO		+	+				FG1:0, FG2:0, FG3:0, FG4:0, FG5:0				
UNITED STATES											

\* import seed



18.3 *Erwinia* spp.

	type of test		Analysis method				OTHER	Tolerance % or Presence (P) or Absence (A) Depends on the categories			Sample Size
	Lab	Field	visual	PCR	IMF	ELISA		Pre-Basic	Basic	Certified	
ARGENTINA		+	+								
BELARUS	+	+	+			+	0	0	0	100	
BELGIUM											
BOSNIA & HERZEGOVINA	+	+	+				0	2	4	110	
BULGARIA	+		+								
COLOMBIA			T							300	
CYPRUS		+	+								
DENMARK		+	+				0.1	0.1	0.1		
FINLAND											
FRANCE	+		+								
GERMANY											
GREECE	T		+							200	
IRELAND		+	+				official	official	official		
ISRAEL			+				A	1	2		
ITALY			+								
LATVIA							0	0	0		
LUXEMBOURG			+								
NETHERLANDS											
NORWAY											
PORTUGAL											
RUSSIAN FEDERATION	+	+	+		+					For lab test 200L; 200T	
SLOVAKIA	+	+	+			+		0.25	0.25	100T	
SLOVENIA											
SWEDEN											
SWITZERLAND		+	+				0				
TURKEY	+	+	+				0	1	2		
ENGLAND and WALES	+	+		+	+						
SCOTLAND											
NORTHERN IRELAND											
FG COUNTRIES											
CANADA			+							FG1: 0.1, FG2: 0.1, FG3: 0.1, FG4: 0.1, FG5: 0.1, FG6: 0.1	
CZECH REPUBLIC											
CHILE											
MEXICO		+	+							FG1:0, FG2:0.02, FG3:0.05, FG4:0.075, FG5:1	
UNITED STATES										150L	

18.4 PLRV

	type of test		Analysis method				OTHER	Tolerance % or Presence (P) or Absence (A) Depends on the categories			Sample Size
	Lab	Field	visual	PCR	IMF	ELISA		Pre-Basic	Basic	Certified	
ARGENTINA	+					+	0				
BELARUS	+	+	+			+	0.5	1		100	
BELGIUM							see 5.8	see 5.8	see 5.8		
BOSNIA & HERZEGOVINA	+					+	0	2	10	110	
BULGARIA	+					+	0.4	1.5	A: 4 B: 10	100	
COLOMBIA											
CYPRUS			+			+					
DENMARK							1	2	8	Incl. PVY L	
FINLAND	L					+	0	0		200	
FRANCE	+		+			+					
GERMANY	L		+			+	2	2	8	105tubers of 3ha or 50t	
GREECE	S	+	+			+		4	10	100	
IRELAND											
ISRAEL	+	+	+			+	A	1	2	100L	
ITALY	+	+	+	+		+				100	
LATVIA	+		+	+		S	1	2		400T	
LUXEMBOURG	+	+	+	+		+	1	1-3	7-10	100/ha	
NETHERLANDS	S					+	0	0.5*, **	5		
NORWAY											
PORTUGAL	L					+				100	
RUSSIAN FEDERATION	+	+	+		+					For lab test 200L; 200T	
SLOVAKIA	+	+	+			+					
SLOVENIA	+	+	+			+	0-0.1			2X100	
SWEDEN	2					+	A	0.4	1	300/5ha, 200/5ha, 100/10ha	
SWITZERLAND	+	+	+			+	0/0.5	0.5 – 2	10	CF 5.4	
TURKEY											
ENGLAND and WALES	+	+				+					
SCOTLAND	+	L				+	0	4		150	
NORTHERN IRELAND											
FG COUNTRIES											
CANADA	T	+	+			+	FG1: 0, FG2: 0, FG3: 0, FG4: 0.1, FG5: 0.1, FG6: 0.2 T/S/L				
CZECH REPUBLIC						+					
CHILE	+	+				+	FG1:0. , FG2: 0.5,FG3: 1,FG4: 3,FG5: 5,FG6: 9				
MEXICO	+	+				+	FG1:0. 2,FG2:0. 2,FG3:0. 2,FG4:0. 2,FG5: 1				
UNITED STATES			+								

\* Virus tolerances are total tolerances, varying from 0(clones/S) to 1% (E) and 5% to 8% (certified seed class A and B esp.)

\*\* only if infection is expected

18.5 PVY

	type of test		Analysis method				OTHER	Tolerance % or Presence (P) or Absence (A) Depends on the categories			Sample Size
	Lab	Field	visual	PCR	IMF	ELISA		Pre-Basic	Basic	Certified	
ARGENTINA	+					+	0				
BELARUS	+	+	+				4.5	9		100	
BELGIUM							see 5.8	see 5.8	see 5.8		
BOSNIA & HERZEGOVINA	+						0	2	10	110	
BULGARIA	+						0.4	1.5	A: 4, B: 10	100 tubers	
COLOMBIA											
CYPRUS			+								
DENMARK											
FINLAND	L						0.2	1	2	200	
FRANCE	+		+								
GERMANY	L		+				2	2	8	105tubers of 3ha or 50t	
GREECE	S	+	+					4	10	100	
IRELAND											
ISRAEL	+	+					A	0.5	1	100L	
ITALY	+	+								100	
LATVIA	+						1	2		400T	
LUXEMBOURG	+	+	+				1	1-3	7-10	100/ha	
NETHERLANDS	S			+			0	0.5*	5		
NORWAY											
PORTUGAL	L									100	
RUSSIAN FEDERATION	+	+	+		+					For lab test 200L; 200T	
SLOVAKIA	+	+	+								
SLOVENIA	+						0-0.1			2X100	
SWEDEN	L		+				A	0.4	1	300/5ha, 200/5ha, 100/10ha	
SWITZERLAND	+	+	+				0/0.5	0.5 -1	10	CF 5.4	
TURKEY											
ENGLAND and WALES	+	+									
SCOTLAND	L						0	4		150	
NORTHERN IRELAND											
FG COUNTRIES											
CANADA	T	+				+			FG1:0, FG2:0, FG3:0, FG4: 0.1, FG5: 0.1, FG6: 0.2	T/S/L	
CZECH REPUBLIC											
CHILE	+	+				+					
MEXICO	+	+	+			+			FG1: 0.2, FG2: 0.2, FG3:0.2, FG4:0.2, FG5:1	150L	
UNITED STATES											

\* Virus tolerances are total tolerances, varying from 0(clones/S) to 1% (E) and 5% to 8% (certified seed class A and B esp.)

18.6 PVX

	type of test		Analysis method				OTHER	Tolerance % or Presence (P) or Absence (A) Depends on the categories			Sample Size
	Lab	Field	visual	PCR	IMF	ELISA		Depends on the categories			
								Pre-Basic	Basic	Certified	
ARGENTINA	+					+		0			
BELARUS	+	+	+			+		0.5	1	100	
BELGIUM						+		see 5.8	see 5.8	see 5.8	
BOSNIA & HERZEGOVINA	+					+		0	2	10	
BULGARIA	+					+	1			100	
COLOMBIA											
CYPRUS			+			+					
DENMARK								0		L	
FINLAND								0		200	
FRANCE	+		+			+					
GERMANY	L		+					max.4	max.4	max 32	
GREECE	S	+	+			+			4		
IRELAND											
ISRAEL	+	+	+			+		A		100L	
ITALY	+	+				+				100	
LATVIA	+		+	+		S		6	9	400T	
LUXEMBOURG	+	+	+			+		1	1-3	7-10	
NETHERLANDS	S					+		0	0.5 <sup>*20</sup>	5	
NORWAY											
PORTUGAL	L					+				100	
RUSSIAN FEDERATION	+	+	+		+					For lab test 200L; 200T	
SLOVAKIA	+	+	+			+					
SLOVENIA	+					+		0-0.1		2X100	
SWEDEN	L					+		A		300/5ha, 200/5ha, 100/10ha	
SWITZERLAND	+	+	+			***, *		0/0.5			
TURKEY											
ENGLAND and WALES	+	+				+					
SCOTLAND	+L					+		0	4	150	
NORTHERN IRELAND											
FG COUNTRIES											
CANADA	**	**								***	
CZECH REPUBLIC											
CHILE											
MEXICO	+	+	+			+		FG1: 0.04, FG2: 0.4, FG3: 0.4, FG4:0.4, FG5: 1		150L	
UNITED STATES											

\* Analysis only if needed for basic and certified categories.

\*\* tested if suspected

\*\*\* if requested by importing country

18.7 PVM

	type of test		Analysis method				OTHER	Tolerance % or Presence (P) or Absence (A) Depends on the categories			Sample Size
	Lab	Field	visual	PCR	IMF	ELISA		Depends on the categories			
								Pre-Basic	Basic	Certified	
ARGENTINA	+										
BELARUS	+	+	+			+	4.5	9		100	
BELGIUM							see 5.8	see 5.8	see 5.8		
BOSNIA & HERZEGOVINA	+					+	0	2	10	110	
BULGARIA	+					+				100T	
COLOMBIA											
CYPRUS											
DENMARK	+						5			Incl.S and A(L)	
FINLAND	L					+	0			200T	
FRANCE	+		+			+					
GERMANY	L		+			+	2	2	8	105tubers of 3ha or 50t	
GREECE											
IRELAND											
ISRAEL											
ITALY											
LATVIA	+					S	6	9		400T	
LUXEMBOURG	+	+	+			+	1	1-3	7-10	100/ha	
NETHERLANDS									not found in surveys		
NORWAY											
PORTUGAL	L					+				100	
RUSSIAN FEDERATION	+	+	+		+					For lab test 200L; 200T	
SLOVAKIA	+	+	+			+					
SLOVENIA	+					+	0-0.1			2X100	
SWEDEN	L					+	0.3			300/5ha, 200/5ha, 100/10ha	
SWITZERLAND	+	+	+			**,*					
TURKEY											
ENGLAND and WALES	+	+									
SCOTLAND	+L						0	4		150	
NORTHERN IRELAND											
FG COUNTRIES											
CANADA	**	**									
CHILE											
CZECH REPUBLIC						+					
MEXICO											
UNITED STATES											

\* Analysis only if needed for basic and certified categories.

\*\* tested if suspected

18.8 PVS

	type of test		Analysis method				OTHER	Tolerance % or Presence (P) or Absence (A) Depends on the categories			Sample Size
	Lab	Field	visual	PCR	IMF	ELISA		Pre-Basic	Basic	Certified	
ARGENTINA	+					+	0				
BELARUS	+	+	+			+	4.5	9		100	
BELGIUM						+	see 5.8	see 5.8	see 5.8		
BOSNIA & HERZEGOVINA	+					+	0	2	10	110	
BULGARIA	+					+				100	
COLOMBIA											
CYPRUS											
DENMARK											
FINLAND	L					+	0			200	
FRANCE	+		+			+					
GERMANY	L		+			+	Max 4	Max.4	Max 32	105tubers of 3ha or 50t	
GREECE											
IRELAND											
ISRAEL							A	1	2	100L	
ITALY											
LATVIA	+					S	6	9		400T	
LUXEMBOURG	+	+	+			+	1-3	7-10		100/ha	
NETHERLANDS	S					+	0-0.5*			5	
NORWAY											
PORTUGAL	L					+				100	
RUSSIAN FEDERATION	+	+	+		+					For lab test 200L; 200T	
SLOVAKIA											
SLOVENIA	+					+	0-0.1			2X100	
SWEDEN	L					+	0.3				
SWITZERLAND	+	+	+			+ **, *					
TURKEY											
ENGLAND and WALES	+	+				+					
SCOTLAND	L					+	0	4		150	
NORTHERN IRELAND											
FG COUNTRIES											
CANADA	**	**				+					
CZECH REPUBLIC						+					
CHILE											
MEXICO	+	+	+			+	FG1: 0.2, FG2: 0.2, FG3: 0.2, FG4: 0.2, FG5: 1			150L	
UNITED STATES											

\* Virus tolerances are total tolerances, varying from 0 (clones/S) to 1% (E) and 5% to 8% (certified seed class A and B esp.)  
 \*\* tested if suspected

18.9 PVA

	type of test		Analysis method				OTHER	Tolerance % or Presence (P) or Absence (A) Depends on the categories			Sample Size
	Lab	Field	visual	PCR	IMF	ELISA		Depends on the categories			
								Pre-Basic	Basic	Certified	
ARGENTINA											
BELARUS	+	+	+				+	0.5	1	100	
BELGIUM						+		see 5.8	see 5.8	see 5.8	
BOSNIA & HERZEGOVINA	+					+		0	2	10	
BULGARIA	+					+				110	
COLOMBIA										100	
CYPRUS											
DENMARK											
FINLAND	L					+		0.2	0.2-1.0	4	
FRANCE	+		+			+				200T	
GERMANY	L	+	+			+		2	2	8	
GREECE	S					+				105tubers of 3ha or 50t	
IRELAND											
ISRAEL											
ITALY	+	+				+				100	
LATVIA	+					S		6	9	400T	
LUXEMBOURG	+	+	+			+		1	1-3	7-10	
NETHERLANDS	S					+		0	0.5*	5	
NORWAY											
PORTUGAL	L									100	
RUSSIAN FEDERATION	+	+	+							For lab test 200L; 200T	
SLOVAKIA	+	+	+			+					
SLOVENIA	+					+		0-0.1		2X100	
SWEDEN	L		+			+		A	0.4	1	
SWITZERLAND	+	+	+			+, **, ***				300/5ha, 200/5ha, 100/10ha	
TURKEY											
ENGLAND and WALES	+	+				+					
SCOTLAND	L					+		0	4	150	
NORTHERN IRELAND											
FG COUNTRIES											
CANADA	**	**									
CZECH REPUBLIC						+					
CHILE											
MEXICO	+	+	+			+		FG1:0.2, FG2:0.2, FG3:0.2, FG4:0.2, FG5:1		150L	
UNITED STATES											

\* Virus tolerances are total tolerances, varying from 0 (clones/S) to 1% (E) and 5% to 8% (certified seed class A and B esp.)

\*\* tested if suspected

\*\*\*Analysis only if needed for basic and certified categories.

### 18.10 Severe Mosaic

	type of test		Analysis method				OTHER	Tolerance % or Presence (P) or Absence (A) Depends on the categories			Sample Size
	Lab	Field	visual	PCR	IMF	ELISA		Pre-Basic	Basic	Certified	
ARGENTINA	+	+	+			+	0%				
BELARUS	+	+	+			+	0.5	1		100	
BELGIUM											
BOSNIA & HERZEGOVINA											
BULGARIA	+**, *						2.4	3.5	A: 7, B: 10	100T	
COLOMBIA											
CYPRUS			+								
DENMARK											
FINLAND											
FRANCE	+		+			+					
GERMANY	L		+			+	2	2	8	105tubers of 3 ha of 50t	
GREECE	S	+	+			+		4	10	100T	
IRELAND											
ISRAEL		+	+								
ITALY	+	+				+				100	
LATVIA											
LUXEMBOURG											
NETHERLANDS											
NORWAY											
PORTUGAL									A: 7, B: 10	100	
RUSSIAN FEDERATION	+	+	+		+		Y+L=0.5			For lab test 200L; 200T	
SLOVAKIA								4	10	100-300	
SLOVENIA		+	+				+ PLRV	0.5-2	4 -10	100	
SWEDEN											
SWITZERLAND	+	+	+			+	0-0.5	2****	10		
TURKEY											
ENGLAND and WALES	+	+				+					
SCOTLAND											
NORTHERN IRELAND											
FG COUNTRIES											
CANADA	**		+								
CZECH REPUBLIC											
CHILE											
MEXICO											
UNITED STATES			+								

\* TOTAL MOSAIC  
 \*\* tested if suspected  
 \*\*\* S=0.1, SE=0.2, E=0.2  
 \*\*\*\* Total: max. 4 systematic for prebasic



18.11 Mild Mosaic

	type of test		Analysis method				OTHER	Tolerance % or Presence (P) or Absence (A) Depends on the categories			Sample Size
	Lab	Field	visual	PCR	IMF	ELISA		Pre-Basic	Basic	Certified	
ARGENTINA	+	+	+			+	0				
BELARUS	+	+	+			+	4.5	9		100	
BELGIUM											
BOSNIA & HERZEGOVINA											
BULGARIA	+*						2.4	3.5	A: 7,B: 10	100T	
COLOMBIA											
CYPRUS			+								
DENMARK											
FINLAND											
FRANCE	+		+			+					
GERMANY	L		+			+	4	4	max.32	105 tubers of 3 ha of 50t	
GREECE	S	+	+			+		4		100T	
IRELAND											
ISRAEL		+	+								
ITALY	+	+				+				100	
LATVIA											
LUXEMBOURG											
NETHERLANDS											
NORWAY											
PORTUGAL											
RUSSIAN FEDERATION	+	+	+		+		X+S+M=4.5			For lab test 200L; 200T	
SLOVAKIA								together with sever mosaic +PLRV			
SLOVENIA		+	+				+ PLRV	0.5-2	4-10	100	
SWEDEN											
SWITZERLAND	+	+	+			+	0.05	4****			
TURKEY											
ENGLAND and WALES	+	+				+					
SCOTLAND											
NORTHERN IRELAND											
FG COUNTRIES											
CANADA	***	***				+					
CZECH REPUBLIC											
CHILE											
MEXICO											
UNITED STATES											

- \* Total Mosaic
- \*\* S=0.2, SE=0.4, E=0.4
- \*\*\* tested if suspected
- \*\*\*\* total : max. 4 systematic for prebasic

18.12 Other viruses

	type of test		Analysis method				OTHER	Tolerance % or Presence (P) or Absence (A) Depends on the categories			Sample Size
	Lab	Field	visual	PCR	IMF	ELISA		Pre-Basic	Basic	Certified	
ARGENTINA		+	+								
BELARUS	+	+	+			+	0	0		100	
BELGIUM											
BOSNIA AND HERZEGOVINA											
BULGARIA											
COLOMBIA											
CYPRUS			+								
DENMARK	rattle and mop-top	+					5	5		5	
FINLAND											
FRANCE	+Total virus		+			+	0.5	SE: 1,E:2		5	
GERMANY											
GREECE											
IRELAND											
ISRAEL		+	+								
ITALY											
LATVIA											
LUXEMBOURG											
NETHERLANDS											
NORWAY											
PORTUGAL all viruses							1	4		100	
RUSSIAN FEDERATION											
SLOVAKIA											
SLOVENIA											
SWEDEN											
SWITZERLAND											
TURKEY											
ENGLAND and WALES	+	+				+					
SCOTLAND PVV	+L					+	0	4		150	
NORTHERN IRELAND											
FG COUNTRIES											
CANADA		*	*			+					
CZECH REPUBLIC											
CHILE											
MEXICO											
UNITED STATES											

\* tested if suspected

18.13 *Spongospora subterranean*

	type of test		Analysis method				OTHER	Tolerance % or Presence (P) or Absence (A) Depends on the categories			Sample Size
	Lab	Field	visual	PCR	IMF	ELISA		Pre-Basic	Basic	Certified	
ARGENTINA											
BELARUS	+	+	+					0	0	0	100
BELGIUM											
BOSNIA & HERZEGOVINA	+		+					0	0	5	110
BULGARIA											
COLOMBIA			T					0	1	2	300 T
CYPRUS			+								
DENMARK		+						1	1	1	
FINLAND											
FRANCE	+		+					0	0.2	0.2	
GERMANY			+				A	A	A		
GREECE											
IRELAND		+	+								
ISRAEL	+	+	+					0	0	1	
ITALY							A	A	A		
LATVIA											
LUXEMBOURG											
NETHERLANDS											
NORWAY											
PORTUGAL											
RUSSIAN FEDERATION											
SLOVAKIA	+								10	10	
SLOVENIA											
SWEDEN											
SWITZERLAND											
TURKEY	+	+	+					0	0	0	
ENGLAND and WALES	+	+	+				Nil				
SCOTLAND											
NORTHERN IRELAND											
FG COUNTRIES											
CANADA		*	*	+							
CZECH REPUBLIC											
CHILE											
MEXICO											
UNITED STATES											

\* tested if suspected

18.14 *Globodera rostochiensis*

	type of test		Analysis method				OTHER	Tolerance % or Presence (P) or Absence (A) Depends on the categories			Sample Size
	Lab	Field	visual	PCR	IMF	ELISA		Pre-Basic	Basic	Certified	
ARGENTINA											
BELARUS	+	+	+				0	0	0	100	
BELGIUM							P	P	P	120/25t	
BOSNIA & HERZEGOVINA	+		+				0	0	0	110	
BULGARIA							S	A	A	Class A: A, B: A	
COLOMBIA											
CYPRUS											
DENMARK											
FINLAND	Soil		+				0	0	0	1l/ha	
FRANCE											
GERMANY	Soil		+				A	A	A		
GREECE		+	+					A	A	roots	
IRELAND	+	+					+				
ISRAEL											
ITALY							A	A	A		
LATVIA											
LUXEMBOURG	+		+							500/ha	
NETHERLANDS	Soil						Eppo				
NORWAY											
PORTUGAL											
RUSSIAN FEDERATION											
SLOVAKIA	+							0	0		
SLOVENIA											
SWEDEN											
SWITZERLAND	+						**	***	***	***	
TURKEY										400g soil/ha	
ENGLAND and WALES	+	+	+				Nil	Nil	Nil		
SCOTLAND	+Soil		+				A			****	
NORTHERN IRELAND											
FG COUNTRIES											
CANADA	*	*	+					FG1: A, FG2: A, FG3:A, FG4:A, FG5:A, FG6:A			
CZECH REPUBLIC											
CHILE											
MEXICO	+						+	FG1:0, FG2:0, FG3:0, FG4:0, FG5:0			
UNITED STATES											

- \* tested if suspected
- \*\* Soil analysis (400/ha) taken during sorting.
- \*\*\* Alive Cysts
- \*\*\*\* Depends on soil which can be extracted from sample of consignment 1-5%

18.15 *Globodera pallida*

	type of test		Analysis method				OTHER	Tolerance % or Presence (P) or Absence (A) Depends on the categories			Sample Size
	Lab	Field	visual	PCR	IMF	ELISA		Pre-Basic	Basic	Certified	
ARGENTINA											
BELARUS	+	+	+					0	0	0	100
BELGIUM								P	P	P	120/25t
BOSNIA & HERZEGOVINA	+		+					0	0	0	110
BULGARIA							S	A	A	Class A: A, B: A	200T
COLOMBIA			+					0	0	0	300T
CYPRUS											
DENMARK											
FINLAND	Soil		+					0	0	0	1l/ha
FRANCE											
GERMANY	Soil		+					A	A	A	
GREECE		+	+						A	A	roots
IRELAND	+	+					+				
ISRAEL											
ITALY											
LATVIA											
LUXEMBOURG	+		+								500/ha
NETHERLANDS	soil						Eppo				
NORWAY											
PORTUGAL											
RUSSIAN FEDERATION											
SLOVAKIA	+								0	0	
SLOVENIA											
SWEDEN											
SWITZERLAND	+						**	***	***	***	400g soil/ha
TURKEY											
ENGLAND and WALES	+	+	+					Nil	Nil	Nil	
SCOTLAND	+Soil		+					A			****
NORTHERN IRELAND											
FG COUNTRIES											
CANADA	*	*	+					FG1: A, FG2: A, FG3:A, FG4:A, FG5:A, FG6:A			
CZECH REPUBLIC											
CHILE											
MEXICO											
UNITED STATES											

\* tested if suspected  
 \*\* Soil analysis (400/ha) taken during sorting.  
 \*\*\* Alive Cysts.  
 \*\*\*\* Depends on soil which can be extracted from sample of consignment 1-5%

18.16 *Meloidogyne chitwoodii*

	type of test		Analysis method				OTHER	Tolerance % or Presence (P) or Absence (A) Depends on the categories			Sample Size
	Lab	Field	visual	PCR	IMF	ELISA		Pre-Basic	Basic	Certified	
ARGENTINA											
BELARUS											
BELGIUM	+		+					P	P	P	120/25t
BOSNIA & HERZEGOVINA											
BULGARIA							B	A	A	Class A: A, B: A	200T
COLOMBIA											
CYPRUS											
DENMARK											
FINLAND											
FRANCE	+							N/T	N/T	N/T	
GERMANY											
GREECE											
IRELAND	+		+				+				
ISRAEL											
ITALY								A	A	A	
LATVIA			T								
LUXEMBOURG											
NETHERLANDS	T		+								
NORWAY											
PORTUGAL											
RUSSIAN FEDERATION											
SLOVAKIA	+								0	0	
SLOVENIA											
SWEDEN											
SWITZERLAND											
TURKEY											
ENGLAND and WALES	+	+	+					Nil	Nil	Nil	
SCOTLAND											
NORTHERN IRELAND											
FG COUNTRIES											
CANADA	*	*	+					FG1: A, FG2: A, FG3: A, FG4:A, FG5:A, FG6:A			
CZECH REPUBLIC											
CHILE											
MEXICO	+							FG1:0, FG2:0,FG3:0,FG4:0,FG5:0			
UNITED STATES											

\* tested if suspected

18.17 *Synchytrium endobioticum*

	type of test		Analysis method				OTHER	Tolerance % or Presence (P) or Absence (A) Depends on the categories			Sample Size
	Lab	Field	visual	PCR	IMF	ELISA		Pre-Basic	Basic	Certified	
ARGENTINA											
BELARUS	+	+	+				0	0	0	100	
BELGIUM											
BOSNIA & HERZEGOVINA			+				0	0	0	110	
BULGARIA		+	+				biologic				
COLOMBIA											
CYPRUS			+								
DENMARK											
FINLAND											
FRANCE			+				N/T	N/T	N/T		
GERMANY			+				A	A	A		
GREECE		+	+					A	A	200T	
IRELAND		+	+								
ISRAEL											
ITALY											
LATVIA			T								
LUXEMBOURG											
NETHERLANDS											
NORWAY											
PORTUGAL											
RUSSIAN FEDERATION											
SLOVAKIA	+		+					0	0		
SLOVENIA		+	+				P	P	P		
SWEDEN											
SWITZERLAND											
TURKEY											
ENGLAND and WALES	+	+	+				Nil	Nil	Nil		
SCOTLAND											
NORTHERN IRELAND											
FG COUNTRIES											
CANADA	*	*	+					FG1:A, FG2:A, FG3:A, FG4:A, FG5:A, FG6:A			
CZECH REPUBLIC											
CHILE											
MEXICO											
UNITED STATES											

\* tested if suspected

18.18 PSTV Potato Spindle tuber viroid

	type of test		Analysis method				OTHER	Tolerance % or Presence (P) or Absence (A) Depends on the categories			Sample Size
	Lab	Field	visual	PCR	IMF	ELISA		Pre-Basic	Basic	Certified	
	ARGENTINA										
BELARUS											
BELGIUM		+								Ad random	
BOSNIA & HERZEGOVINA											
BULGARIA											
COLOMBIA											
CYPRUS											
DENMARK											
FINLAND											
FRANCE		+					*	N/T			
GERMANY											
GREECE		L-T	+	+	+				A	A	
IRELAND		NR									
ISRAEL											
ITALY											
LATVIA											
LUXEMBOURG											
NETHERLANDS											
NORWAY											
PORTUGAL											
RUSSIAN FEDERATION		+	+	+	+					For lab test 200L; 200T	
SLOVAKIA		+			+				0	0	
SLOVENIA			+	+				P	P	P	
SWEDEN											
SWITZERLAND			+					A	A	A	
TURKEY											
ENGLAND and WALES		+	+			+		Nil	Nil	Nil	
SCOTLAND											
NORTHERN IRELAND											
FG COUNTRIES											
CANADA		**	**					FG1:0, FG2:0, FG3:0, FG4:0, FG5:0, FG6:0			
CZECH REPUBLIC											
CHILE											
MEXICO											
UNITED STATES											

\* Hybridation moleculaire.  
\*\* tested if suspected



18.19 Varietal mixture

	type of test		Analysis method				OTHER	Tolerance % or Presence (P) or Absence (A) Depends on the categories			Sample Size
	Lab	Field	visual	PCR	IMF	ELISA		Pre-Basic	Basic	Certified	
ARGENTINA	+	+	+				0				
BELARUS	+	+	+				0	0	0.5	100	
BELGIUM	+									See 5.4	
BOSNIA & HERZEGOVINA											
BULGARIA							0	1	Class A: 3, B: 6		
COLOMBIA			+				0	0	1	300T	
CYPRUS		+	+								
DENMARK		+					0	0	0.05		
FINLAND											
FRANCE											
GERMANY											
GREECE			+	+				0.1	0.2		
IRELAND		+	+								
ISRAEL		+	+				0	0	1		
ITALY		+	+								
LATVIA											
LUXEMBOURG											
NETHERLANDS											
NORWAY											
PORTUGAL			+				0	0	A: 0.05, B: 0.05	100	
RUSSIAN FEDERATION			+								
SLOVAKIA		+	+					0.1	0.2		
SLOVENIA											
SWEDEN											
SWITZERLAND		+	+	+			0	0.02	0.5		
TURKEY											
ENGLAND and WALES		+	+								
SCOTLAND											
NORTHERN IRELAND											
FG COUNTRIES											
CANADA		+	+				FG1:0, FG2:0, FG3:0, FG4:0, FG5: 0.05, FG6: 0.1			T	
CZECH REPUBLIC											
CHILE											
MEXICO											
UNITED STATES			+								

18.20 Other

	type of test		Analysis method				OTHER	Tolerance % or Presence (P) or Absence (A)			Sample Size
	Lab	Field	visual	PCR	IMF	ELISA		Depends on the categories			
								Pre-Basic	Basic	Certified	
DENMARK											
Rhizoctonia		+						2	2	2	*
TURKEY											
Dry Rot, fusarium spp.	+	+	+								
Verticilium spp.	+	+	+								
Sclerotinia spp	+	+	+								
Phytophthora spp	+	+	+					0	2	3	
Ditylenchus destructor	+	+	+					0	0	0	
Dictylenchus dipsacaci	+	+	+					0	0	0	
ENGLAND and WALES											
Colorado beetle		+	+					Nil	Nil	Nil	
Ditylenchus destructor			+					Nil	Nil	Nil	
UNITED STATES											
			+								

\* max.1/20 of the surface.

## 19. TUBER INSPECTION REQUIREMENTS

### 19.1 Obligations and responsibilities

	Tuber inspection prior to marketing mandatory	Sampling is carried out by:		
		Government officer	Authorized or accredited person	other
ARGENTINA	+	+	+	
BELARUS	+	+	-	
BELGIUM				
BOSNIA & HERZEGOVINA	+	-	+	
BULGARIA	+	+	-	
CANADA	+	+	-	
COLOMBIA	+	+	-	
CZECH REPUBLIC	+	+	+	
CHILE	+	+		private enterprises
CYPRUS				
DENMARK	-	+		
FINLAND	+		+	
FRANCE	+		+	
GERMANY	+	-	+	
GREECE	+	+		
IRELAND	+	+	-	
ISRAEL	+	+	-	
ITALY	+	+	-	
LATVIA	+	+		
LUXEMBOURG	+	+	+	
MEXICO	+	+	+	
NETHERLANDS	+	+	-	Officer inspection service
NORWAY	+		+	
PORTUGAL	+	+		
RUSSIAN FEDERATION	+	+	+	
SLOVAKIA	+	+	-	
SLOVENIA	+	-	+	
SWEDEN		+		
SWITZERLAND	+		+	
TURKEY	-	+		
ENGLAND and WALES	+	+		
SCOTLAND	+	+		
NORTHERN IRELAND	+	+		
UNITED STATES		+		

## 19.2 Sampling for which categories

	Sampling is carried out for		
	Pre-Basic seed	Basic Seed	Certified Seed
ARGENTINA	+	+	+
BELARUS	+	+	+
BELGIUM			
BOSNIA & HERZEGOVINA	+	+	+
BULGARIA	+	+	+
COLOMBIA	+	+	+
CYPRUS	-	-	-
DENMARK	-	-	-
FINLAND	+	+	+
FRANCE	+	+	+
GERMANY	+	+	+
GREECE	-	+	+
IRELAND	-	-	-
ISRAEL	+	+	+
ITALY	-	-	-
LATVIA	+	+	+
LUXEMBOURG	+	+	+
NETHERLANDS	+	+	+
NORWAY	+	+	+
PORTUGAL	+	+	+
RUSSIAN FEDERATION	+	+	+
SLOVAKIA	-	+	+
SLOVENIA	+	+	+
SWEDEN	+	+	+
SWITZERLAND	+	+	+
TURKEY	+	+	+
ENGLAND and WALES	+	+	+
SCOTLAND	+	+	-
NORTHERN IRELAND	+	+	-

FG COUNTRIES	FG1	FG2	FG3	FG4	FG5	FG6	FG7
CANADA	+	+	+	+	+	+	
CZECH REPUBLIC	+	+	+	+	+	-	
CHILE	-	+	+	+	+	+	
MEXICO	+	+	+	+	+	-	
UNITED STATES	+	+	+	+	+	-	

### 19.3 Time of sampling

	Tubers samples are taken for inspection			
	At the time of grading	Packaging	After packaging	other
ARGENTINA			+	
BELARUS	+	-	-	
BELGIUM				
BOSNIA & HERZEGOVINA	+	-	-	
BULGARIA			+	Samples are drawn after removal of the leaves from the crop for the purposes of Post Control
CANADA	+	+	+	
COLOMBIA	-	+	-	
CZECH REPUBLIC	+			
CHILE	-	-	+	
CYPRUS	+			
DENMARK	-	-	+	
FINLAND	+			
FRANCE	-	+	+	
GERMANY	+	+		
GREECE		+		
IRELAND	+	+	+	
ISRAEL	+	+		
ITALY	-	+	+	
LATVIA			+	
LUXEMBOURG	+	+	+	
MEXICO	+	+		
NETHERLANDS	+	+		
NORWAY	-		-	
PORTUGAL	+			
RUSSIAN FEDERATION	-	-	+	
SLOVAKIA	+	+	-	
SLOVENIA	+	+	+	
SWEDEN	+	+	+	
SWITZERLAND	+	+	+	A sample is taken to the field between the burning of the haulms and harvest
TURKEY				
ENGLAND and WALES	+	+	+	
SCOTLAND	-	-	+	
NORTHERN IRELAND			+	
UNITED STATES	+			

#### 19.4 Washing of tubers/ Inspection prior to marketing

	Washing of seed tubers (lots) are prohibited by regulation	Inspection of graded tubers prior to marketing
ARGENTINA	-	+
BELARUS	-	+
BELGIUM		
BOSNIA & HERZEGOVINA	+	+
BULGARIA	-	+
CANADA	+	+
COLOMBIA	+	+
CZECH REPUBLIC	-	+
CHILE	-	+
CYPRUS	-	+
DENMARK	-	
FINLAND	-	+
FRANCE	-	+
GERMANY	-	+
GREECE		+
IRELAND	-	+
ISRAEL		+
ITALY	-	+
LATVIA	-	+
LUXEMBOURG	-	+
MEXICO	-	+
NETHERLANDS	-	+
NORWAY	-	-
PORTUGAL	-	-
RUSSIAN FEDERATION	-	
SLOVAKIA	-	-
SLOVENIA	-	+
SWEDEN	-	+
SWITZERLAND	-	+
TURKEY		-
ENGLAND and WALES	-	+
SCOTLAND	-	+
NORTHERN IRELAND	-	+
UNITED STATES	+	+

## 19.5 Tuber Size Standards

	Pre-Basic				Basic				Certified			
	Size range (mm)	tolerance%			Size range(mm)	tolerance%			Size range(mm)	tolerance%		
		oversize	undersize	total		oversize	undersize	total		oversize	undersize	total
ARGENTINA												
BELARUS	28-60	3,0	3,0	3,0	28-60	3,0	3,0	3,0	28-60	3,0	3,0	3,0
BELGIUM												
BOSNIA & HERZEGOVINA	35-55	4,0	6,0	10,0	35-55	4,0	6,0	10,0	35-55	4,0	6,0	10,0
BULGARIA	25-55			5%	25-55			5%	25-55			5%
COLOMBIA												
CYPRUS									28-55mm	20mm	20mm	3%
DENMARK		3	3	6		3	3	6		3	3	6
FINLAND	25	3	3	6	25	3	3	6	25	3	3	6
FRANCE		3	3	6	Min 25	3	3	6	Min 25	3	3	6
GERMANY by weight	25/28 35-55	3	3	3 by weight	25/28 35-55	3	3	3 by weight	25/28 35-55	3	3	3 by weight
GREECE	25				25-60	3	3	6	25-60	3	3	6
IRELAND	25mm	3	3	6	25mm	3	3	6	25mm	3	3	6
ISRAEL	NR	NR	NR	NR	NR	NR	NR	NR	25mm-up	NR		3%
ITALY	25	3%	3%	6%	25	3%	3%	6%	25	3%	3%	6%
LATVIA	25	3	3	6	25	3	3	6	25	3	3	6
LUXEMBOURG		3	3	6		3	3	6		3	3	6
MEXICO					35-63	15	20	35	35-63	15	20	35
NETHERLANDS	25mm	2	3		25mm	2	3		25mm	2	3	
NORWAY	30-55 15	3	3		30-55 15	3	3		30-55 15	3	3	
PORTUGAL	25	3	3	6	25	3	3	6	25	3	3	6
RUSSIAN FEDERATION	9-45			1%	30-60			1%	30-60			3%
SLOVAKIA					28-55/25-50	4	3		28-55/25-50	4	3	
SLOVENIA	*	3%by weight	3%by weight	6%by weight		3%by weight	3%by weight	6%by weight		3%by weight	3%by weight	6%by weight
SWEDEN	not graded	3	3		30-45, 45-55	3	3		30-45,45-55	3	3	
SWITZERLAND	25-50	2	5	7	25-50	2	5	7	25-50	2	5	7
TURKEY												
ENGLAND and WALES	none	2	2	2	more than 25	2	2	2	more than 25	2	2	2
SCOTLAND	25	2%	2%	2%	25	2%	2%	2%	n/a	n/a	n/a	n/a
NORTHERN IRELAND	25	2%	2%	2%	25	2%	2%	2%	n/a	n/a	n/a	n/a

\* > 25 mm long var. , > 28 mm others, above 35 mm, multiplication of 5 mm, the difference not bigger than 20 mm

	FG1				FG2				FG3			
	Size range (mm)	tolerance%			Size range (mm)	tolerance%			Size range(mm)	tolerance%		
		oversize	undersize	total		oversize	undersize	total		oversize	undersize	total
CANADA	A: 45-80, B:30-50	5	3	5%	A: 45-80, B:30-50	5	3	5%	A: 45-80, B:30-50	5	3	5%
CZECH REPUBLIC	globular till	3	3	6	globuary-oval	3	3	6	28-60mm	3	3	6
CHILE					28-35/35-45/45-55/55-65	5	5	5	28-35/35-45/45-55/55-65	5	5	5
MEXICO												
UNITED STATES	38.1mm-82.6mm	10	5	15	38.1mm-82.6mm	10	5	15	38.1mm-82.6mm	10	5	15

	FG4				FG5				FG6			
	Size range(mm)	tolerance%			Size range(mm)	tolerance%			Size range(mm)	tolerance%		
		oversize	undersize	total		oversize	undersize	total		oversize	undersize	total
CANADA	A:45-80, B:30-50	5	3	5%	A:45-80, B:30-50	5	3	5%	A:45-80, B:30-50	5	3	5%
CZECH REPUBLIC	oval till long	3	3	6	25-55mm	3	3	6				
CHILE	28-35/35-45/45-55/55-65	5	5	5	28-35/35-45/45-55/55-65	5	5	5	28-35/35-45/45-55/55-65	5	5	5
MEXICO												
UNITED STATES	38.1mm-82.6mm	10	5	15	38.1mm-82.6mm	10	5	15	38.1mm-82.6mm	10	5	15

## 20. TUBER STANDARDS

### 20.1 Soil and Extraneous Matter

	Tolerance %									Analysis		
	Pre-Basic Classes (see3.0)			Basic Classes (see3.0)			Certified Classes (see 3.0)			Visual	Lab	
ARGENTINA												
BELARUS	1			2			2				+	-
BELGIUM	1	1	1	1	1	1	1	1			+	
BOSNIA & HERZEGOVINA												
BULGARIA	2			2			A 2	B 2			+	-
COLOMBIA	N/T	N/T	N/T	N/T	N/T		N/T				-	-
CYPRUS												
DENMARK		1			1			1			+	-
FINLAND			1	1	1	1		1	2		+	-
FRANCE	1			1			1				+	-
GERMANY	1	1	1	2	2	2	2				+	-
GREECE				2			2				+	-
IRELAND	1	1		1	1	1						
ISRAEL												
ITALY	2	2	2	2	2	2	2	2	2		+	-
LATVIA	2			2	2	2	2	2			+	-
LUXEMBOURG	2			2			2				-	+
NETHERLANDS	1			1	1	1	1	1			+	-
NORWAY	1			1			1					
PORTUGAL	2			1	2		2				+	-
RUSSIAN FEDERATION		0	1	2	2	2						
SLOVAKIA				1	1	1		1	1		+	-
SLOVENIA	0.5	1	1	1	1	1	1	1	1		+	-
SWEDEN	1	1	1	1	1	1	1	1			+	-
SWITZERLAND	2			2			2				+	-
TURKEY												
ENGLAND and WALES												
SCOTLAND	1	1		1			1				+	-
NORTHERN IRELAND	1	1	1	1	1						+	-
FG COUNTRIES	FG1	FG2	FG3	FG4	FG5	FG6	FG7				+	-
CANADA	0	0	0	0	0	0	0				+	-
CZECH REPUBLIC	1	1	1	1	1	1					+	+
CHILE	N/T	0.5	0.5	0.5	0.5	1					+	-
MEXICO												
UNITED STATES	5	5	5	5	5						+	-



## 20.2 Growth Cracks

	Tolerance %									Analysis	
	Pre-Basic Classes (see3.0)			Basic Classes (see3.0)			Certified Classes (see 3.0)			Visual	Lab
ARGENTINA											
BELARUS	N/T			N/T			N/T			-	-
BELGIUM											
BOSNIA & HERZEGOVINA											
BULGARIA	*			*			*	*		+	-
COLOMBIA	0	0	0	0	2		5			+	-
CYPRUS											
DENMARK		3			3			3		+	-
FINLAND			3	3	3	3		3	3	+	-
FRANCE											
GERMANY	2	2	2	2	2	2				+	-
GREECE										+	-
IRELAND	3	3		3	3	3					
ISRAEL SECOND GROWTH								5		+	-
ITALY											
LATVIA											
LUXEMBOURG											
NETHERLANDS										+	-
NORWAY	3			3			3				
PORTUGAL											
RUSSIAN FEDERATION		0	3								
SLOVAKIA										+	-
SLOVENIA		3		3	3	3	3	3	3	+	-
SWEDEN	3	3	3	3	3	3	3			+	-
SWITZERLAND										-	-
TURKEY											
ENGLAND and WALES											
SCOTLAND	3	1		2			2			+	-
NORTHERN IRELAND	1	1	1	2	2					+	-
FG COUNTRIES	FG1	FG2	FG3	FG4	FG5	FG6	FG7			+	-
CANADA	2	2	2	2	2	2				+	-
CZECH REPUBLIC	3	3	3	3	3					-	+
CHILE	N/T	N/T	N/T	N/T	N/T	N/T					
MEXICO											
UNITED STATES											

\* Up to 5% of the tubers in a sample with damages and above 5mm depth but with formed callous and healed wound.

20.3 Malformed (off type)

	Tolerance %									Analysis	
	Pre-Basic Classes (see3.0)			Basic Classes (see3.0)			Certified Classes (see 3.0)			Visual	Lab
ARGENTINA											
BELARUS	N/T			N/T			N/T				
BELGIUM											
BOSNIA & HERZEGOVINA											
BULGARIA										+	
COLOMBIA	0	0	0	0	2		3			+	
CYPRUS											
DENMARK		2			2			2		+	
FINLAND											
FRANCE	1			3			3			+	
GERMANY										+	
GREECE						See total defects		See total defects		+	
IRELAND	3	3		3	3	3					
ISRAEL											
ITALY											
LATVIA											
LUXEMBOURG											
NETHERLANDS										+	
NORWAY	3			3			3				
PORTUGAL											
RUSSIAN FEDERATION		1	3								
SLOVAKIA										+	
SLOVENIA		3		3	3	3	3	3	3	+	
SWEDEN	3	3	3	3	3	3	3	3	3	+	
SWITZERLAND											
TURKEY											
ENGLAND and WALES											
SCOTLAND	3	3		2	2					+	
NORTHERN IRELAND	3	1	1	2	2					+	
FG COUNTRIES	FG1	FG2	FG3	FG4	FG5	FG6	FG7			+	
CANADA	2	2	2	2	2	2	2			+	
CZECH REPUBLIC	3	3	3	3	3	3					+
CHILE	N/T	1	2	3	3	5				+	
MEXICO	0	0.3	0.3	0.3	0.5					+	
UNITED STATES											

20.4 Bruising

	Tolerance %										Analysis	
	Pre-Basic Classes (see3.0)			Basic Classes (see3.0)			Certified Classes (see 3.0)				Visual	Lab
ARGENTINA												
BELARUS	N/T			N/T			N/T					
BELGIUM												
BOSNIA & HERZEGOVINA												
BULGARIA											+	
COLOMBIA	0	0	0	0	0		0				+	
CYPRUS												
DENMARK												
FINLAND			3	3	3		3		3	3	+	
FRANCE												
GERMANY												
GREECE			See total defects				See total defects				+	
IRELAND	3	3		3	3		3					
ISRAEL												
ITALY												
LATVIA												
LUXEMBOURG												
NETHERLANDS											+	
NORWAY	3			3			3					
PORTUGAL												
RUSSIAN FEDERATION		0	0									
SLOVAKIA											+	
SLOVENIA	1	1.5	1.5	1.5	1.5		1.5		1.5	1.5	+	
SWEDEN												
SWITZERLAND	3			3			3				+	
TURKEY												
ENGLAND and WALES												
SCOTLAND	3	3		2	2						+	
NORTHERN IRELAND	1	1	1	2	2						+	
FG COUNTRIES	FG1	FG2	FG3	FG4	FG5	FG6	FG7				+	
CANADA	2	2	2	2	2	2					+	
CZECH REPUBLIC	3	3	3	3	3							+
CHILE	N/T	N/T	N/T	N/T	N/T	N/T						
MEXICO												
UNITED STATES	5	5	5	5	5						+	

20.5 Internal Discoloration

	Tolerance %									Analysis	
	Pre-Basic Classes (see3.0)			Basic Classes (see3.0)			Certified Classes (see 3.0)			Visual	Lab
ARGENTINA											
BELARUS	N/T			N/T			N/T				
BELGIUM											
BOSNIA & HERZEGOVINA											
BULGARIA										+	
COLOMBIA	N/T	N/T	N/T	N/T	N/T		N/T				
CYPRUS											
DENMARK		5			5			5		+	
FINLAND											
FRANCE											
GERMANY											
GREECE						See total defects		See total defects		+	
IRELAND											
ISRAEL											
ITALY											
LATVIA											
LUXEMBOURG											
NETHERLANDS											
NORWAY											
PORTUGAL											
RUSSIAN FEDERATION		2	5	5	5	5	5	5	5		
SLOVAKIA										+	
SLOVENIA	0	5	5	5	5	5	5	5	5	+	
SWEDEN	2	2	2	2	2	2	2			+	
SWITZERLAND											
TURKEY											
ENGLAND and WALES											
SCOTLAND	3	1		2		2				+	
NORTHERN IRELAND											
FG COUNTRIES	FG1	FG2	FG3	FG4	FG5	FG6	FG7			+	
CANADA	4	4	4	4	4	4				+	
CZECH REPUBLIC	10	10	10	10	10						+
CHILE	N/T	N/T	N/T	N/T	N/T	N/T					
MEXICO											
UNITED STATES	5	5	5	5	5					+	

20.6 Mechanical defects

	Tolerance %										Analysis		
	Pre-Basic Classes (see3.0)			Basic Classes (see3.0)			Certified Classes (see 3.0)				Visual	Lab	
ARGENTINA													
BELARUS	5			5			5					+	
BELGIUM													
BOSNIA & HERZEGOVINA													
BULGARIA *												+	
COLOMBIA	0	0	0	0	1		2					+	
CYPRUS													
DENMARK													
FINLAND			3	3	3	3			3	3		+	
FRANCE													
GERMANY	2	2	2	2	2	2	2					+	
GREECE												+	
IRELAND													
ISRAEL										3		+	
ITALY													
LATVIA	5			5	5	5	5	5	5			+	
LUXEMBOURG													
NETHERLANDS													
NORWAY	3			3					3				
PORTUGAL													
RUSSIAN FEDERATION		0	2	3.5	3.5	3.5	3.5	3.5	3.5	3.5			
SLOVAKIA				3	3	3	3	3	3	3		+	
SLOVENIA	1	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5		+	
SWEDEN	3	3	3	3	3	3	3	3				+	
SWITZERLAND													
TURKEY													
ENGLAND and WALES													
SCOTLAND	3	1		2			2					+	
NORTHERN IRELAND	3	1	1	2	2							+	
FG COUNTRIES	FG1	FG2	FG3	FG4	FG5	FG6	FG7					+	
CANADA	2	2	2	2	2	2						+	
CZECH REPUBLIC												+	
CHILE	N/T	N/T	N/T	N/T	N/T	N/T						+	
MEXICO	0	0	0	0	0							+	
UNITED STATES												+	

\* Up to 5% of the tubers in a sample with damages and above 5mm depth but with formed callous and healed wound.

20.7 Total defects

	Tolerance %									Analysis	
	Pre-Basic Classes (see3.0)			Basic Classes (see3.0)			Certified Classes (see 3.0)			Visual	Lab
ARGENTINA											
BELARUS	5			5			5			+	
BELGIUM	3	3	3	3	3	3	3			+	
BOSNIA & HERZEGOVINA											
BULGARIA *	5			5			5	5		+	
COLOMBIA											
CYPRUS											
DENMARK											
FINLAND			3	3	3	3		3	3	+	
FRANCE											
GERMANY	2	2	2	2	2	2	2			+	
GREECE				3			3				
IRELAND	3	3		3	3	3					
ISRAEL											
ITALY	3	3	3	3	3	3	3	3	3	+	
LATVIA	12			12	12	12	12	12		+	
LUXEMBOURG	3			3			3			+	
NETHERLANDS	0.5			0.5	0.5	0.5	0.5	0.5		+	
NORWAY	8			8			8				
PORTUGAL	3			3	3		3			+	
RUSSIAN FEDERATION		0	1	3.5	3.5	3.5	5	5	5		
SLOVAKIA											
SLOVENIA											
SWEDEN											
SWITZERLAND	3			3			3			+	
TURKEY											
ENGLAND and WALES											
SCOTLAND	3	1		2			2			+	
NORTHERN IRELAND	3	1	1	2	2					+	
FG COUNTRIES	FG1	FG2	FG3	FG4	FG5	FG6				+	
CANADA	2	2	2	2	2	2				+	
CZECH REPUBLIC											
CHILE	N/T	0.5	0.5	1	1	1				+	
MEXICO											
UNITED STATES										+	

\*Up to 5% of the tubers in a sample with damages and above 5mm depth but with formed callous and healed wound.

20.8 Wet , soft rot (Black leg) *Erwinia spp*

	Tolerance %										Analysis	
	Pre-Basic Classes (see3.0)			Basic Classes (see3.0)			Certified Classes (see 3.0)				Visual	Lab
ARGENTINA												
BELARUS	0			0			0.5					
BELGIUM	0.10			0.10			0.25					
BOSNIA AND HERZEGOVINA	0				2				4		+	+
BULGARIA											+	
COLOMBIA	0	0	0	0	1		2				+	
CYPRUS												
DENMARK												
FINLAND			0.2	0.2	0.2	0.2	0.2		0.2	0.2	+	
FRANCE												
GERMANY	0,5	0,5	0,5	0,5	0,5	0,5	0,5	0,5			+	
GREECE												+
IRELAND	0	0		0	0.25	0.5						
ISRAEL				1					2		+	
ITALY												
LATVIA												
LUXEMBOURG												
NETHERLANDS	SP			SP	SP	SP	SP	SP	SP		+	
NORWAY												
PORTUGAL												
RUSSIAN FEDERATION		0	0	0	0	0	0	0	0	0		
SLOVAKIA											+	+
SLOVENIA	Together with other wet rots, total wet rot, dry rot, alternaria solani and total dry rots PB=4, B=8, C=20											
SWEDEN	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5			+	
SWITZERLAND												
TURKEY		0			1				2		+	+
ENGLAND and WALES												
SCOTLAND	0	0		0			0.5				+	
NORTHERN IRELAND	NIL	0.05	0.05	0.05	0.2						+	
FG COUNTRIES	FG1	FG2	FG3	FG4	FG5	FG6	FG7				+	
CANADA	0.1	0.1	0.1	0.1	0.1	0.1	0.1				+	
CZECH REPUBLIC	0.25	0.25	0.25	0.25	0.25	0.25						+
CHILE	N/T	N/T	N/T	N/T	N/T	N/T	N/T					
MEXICO												
UNITED STATES	0.5	0.5	0.5	0.5	0.5						+	

20.9 Other wet rots

	Tolerance %										Analysis	
	Pre-Basic Classes (see3.0)			Basic Classes (see3.0)			Certified Classes (see 3.0)				Visual	Lab
ARGENTINA												
BELARUS	0			1			1				+	
BELGIUM	0.5			0.5			0.5				+	
BOSNIA & HERZEGOVINA												
BULGARIA (dry and wet rots)	0.5			0.5			1.5	1.5				
COLOMBIA												
CYPRUS												
DENMARK												
FINLAND			0.2	0.2	0.2	0.2	0.2		0.2	0.2	+	
FRANCE												
GERMANY											+	
GREECE												
IRELAND	0.1	0.1		0.1	0.1	0.1						
ISRAEL												
ITALY												
LATVIA												
LUXEMBOURG												
NETHERLANDS	SP			SP	SP	SP	SP	SP	SP		+	
NORWAY												
PORTUGAL												
RUSSIAN FEDERATION		0	0	0	0	0	0	0	0	0		
SLOVAKIA											+	
SLOVENIA	Together with other wet rots, total wet rot, dry rot, alternaria solani and total dry rots PB=4, B=8, C=20											
SWEDEN	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1			+	
SWITZERLAND												
TURKEY		0			0				0		+	+
ENGLAND and WALES												
SCOTLAND	0	0.1		0.5			0.5				+	
NORTHERN IRELAND	NIL	0.1	0.1	0.2	0.2						+	
FG COUNTRIES	FG1	FG2	FG3	FG4	FG5	FG6	FG7				+	
CANADA	0.1	0.1	0.1	0.1	0.1	0.1					+	
CZECH REPUBLIC	0.25	0.25	0.25	0.25	0.25							+
CHILE	N/T	N/T	N/T	N/T	N/T	N/T						
MEXICO												
UNITED STATES	0.5	0.5	0.5	0.5	0.5						+	



20.10 Total wet rots

	Tolerance %										Analysis	
	Pre-Basic Classes (see3.0)			Basic Classes (see3.0)			Certified Classes (see 3.0)				Visual	Lab
ARGENTINA												
BELARUS	0			1			1.5					+
BELGIUM	0.5			0.5			0.5					+
BOSNIA & HERZEGOVINA												
BULGARIA <sup>2</sup>	0.5			0.5			1.5	1.5				
COLOMBIA												
CYPRUS												
DENMARK		0.1			0.1				0.1			+
FINLAND			0.2	0.2	0.2	0.2		0.2	0.2	0.2		+
FRANCE (with dry rot)	0.1			0.2			0.2					+
GERMANY (wet and dry rot)	0.5	0.5	0.5	0.5	0.5	0.5	0.5					+
GREECE				1			1					+
IRELAND	0.1	0.1		0.1	0.1	0.1						
ISRAEL												
ITALY (with dry rot)	1	1	1	1	1	1	1	1	1	1		+
LATVIA												
LUXEMBOURG												
NETHERLANDS (with dry rot)	SP*			SP*	SP*	SP*	SP*	SP*	SP*	SP*		+
NORWAY	1			1			1					
PORTUGAL												
RUSSIAN FEDERATION												
SLOVAKIA												+
SLOVENIA												
SWEDEN	0.1	0.1	0.1	0.1	0.1	0.1	0.1					+
SWITZERLAND												
TURKEY												
ENGLAND and WALES												
SCOTLAND	0	0.1		0.5			0.5					+
NORTHERN IRELAND	NIL	0.15	0.15	0.25	0.4							+
FG COUNTRIES	FG1	FG2	FG3	FG4	FG5	FG6	FG7					+
CANADA	0.1	0.1	0.1	0.1	0.1	0.1	0.1					+
CZECH REPUBLIC	0.5	0.5	0.5	0.5	0.5							+
CHILE	N/T	0	0	0	0	0.1						
MEXICO												
UNITED STATES	0.5	0.5	0.5	0.5	0.5							+

\* sporadic

20.11 Dry rot, *Fusarium spp*

	Tolerance %							Analysis		
	Pre-Basic Classes (see3.0)			Basic Classes (see3.0)			Certified Classes (see 3.0)		Visual	Lab
ARGENTINA										
BELARUS										
BELGIUM	0.5			0.5			0.5		+	
BOSNIA & HERZEGOVINA					2			2	+	+
BULGARIA (wet and dry rot together)	0.5			0.5			1.5	1.5		
COLOMBIA	0	0	0	0	1		2		+	
CYPRUS										
DENMARK		0.5			0.5			0.5	+	
FINLAND			0.5	0.5	0.5	0.5		1	1	+
FRANCE										
GERMANY	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	+	
GREECE					1				1	+
IRELAND	0.4	0.4		0.4	0.4	0.4				
ISRAEL					0.5				1	+
ITALY										
LATVIA										
LUXEMBOURG										
NETHERLANDS										
NORWAY	1				1			1		
PORTUGAL										
RUSSIAN FEDERATION		0	0	0.5	0.5	0.5	1	1	1	
SLOVAKIA										+
SLOVENIA	Together with other wet rots, total wet rot, dry rot, alternaria solani and total dry rots PB=4, B=8, C=20									
SWEDEN	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5		+
SWITZERLAND	1				1			1		+
TURKEY		0				2			3	+
ENGLAND and WALES										
SCOTLAND	0	0.1			0.5		0.5			+
NORTHERN IRELAND	NIL	0.1	0.1	0.4	0.4					+
FG COUNTRIES	FG1	FG2	FG3	FG4	FG5	FG6	FG7			+
CANADA	1	1	1	1	1	1	1			+
CZECH REPUBLIC	1	1	1	1	1	1				+
CHILE	N/T	N/T	N/T	N/T	N/T	N/T	N/T			
MEXICO	0	0.25	0.5	0.75	1					+
UNITED STATES	2	2	2	2	2					+

20.12 *Alternaria solani* (early blyte)

	Tolerance %										Analysis	
	Pre-Basic Classes (see3.0)			Basic Classes (see3.0)			Certified Classes (see 3.0)				Visual	Lab
ARGENTINA												
BELARUS	N/T			N/T			N/T				+	
BELGIUM												
BOSNIA & HERZEGOVINA												
BULGARIA												
COLOMBIA	N/T	N/T	N/T	N/T	N/T		N/T					
CYPRUS												
DENMARK												
FINLAND												
FRANCE												
GERMANY												
GREECE					1				1		+	+
IRELAND												
ISRAEL												
ITALY												
LATVIA												
LUXEMBOURG												
NETHERLANDS												
NORWAY												
PORTUGAL												
RUSSIAN FEDERATION		0	0	0.5	0.5	0.5	1	1	1			
SLOVAKIA											+	
SLOVENIA	Together with other wet rots, total wet rot, dry rot, alternaria solani and total dry rots PB=4, B=8, C=20											
SWEDEN	0.5	0.5	0.5	0.5	0.5	0.5	0.5				+	
SWITZERLAND												
TURKEY												
ENGLAND and WALES												
SCOTLAND	N/T			N/T			N/T				+	
NORTHERN IRELAND	N/T	N/T	N/T	N/T	N/T						+	

FG COUNTRIES	FG1	FG2	FG3	FG4	FG5	FG6	FG7				
CANADA	1	1	1	1	1	1	1				+
CZECH REPUBLIC											
CHILE	N/T	N/T	N/T	N/T	N/T	N/T	N/T				
MEXICO											
UNITED STATES	2	2	2	2	2						+

20.13 *Phytophthora infestans* (late blyte)

	Tolerance %							Analysis		
	Pre-Basic Classes (see3.0)			Basic Classes (see3.0)			Certified Classes (see 3.0)		Visual	Lab
ARGENTINA										
BELARUS	0.5			1			2		+	
BELGIUM										
BOSNIA & HERZEGOVINA	0				2			2	+	+
BULGARIA										
COLOMBIA	0	0	0	0	0		0		+	
CYPRUS										
DENMARK										
FINLAND										
FRANCE										
GERMANY	0,5	0,5	0,5	0,5	0,5	0,5	0,5		+	
GREECE				1			1		+	+
IRELAND	0.4	0.4		0.4	0.4	0.4				
ISRAEL					0.5			0.5	+	
ITALY										
LATVIA										
LUXEMBOURG										
NETHERLANDS	0.05			0.05	0.05	0.05	0.05	0.05	+	
NORWAY	1			1			1			
PORTUGAL										
RUSSIAN FEDERATION		0	0.5	0.5	0.5	0.5	1	1	1	
SLOVAKIA				1	1	1		1	1	+
SLOVENIA	0	0	0	1	1	1	1	1	1	+
SWEDEN	0.1	0.1	0.1	0.1	0.1	0.1	0.1		+	
SWITZERLAND										
TURKEY										
ENGLAND and WALES										
SCOTLAND		0.1		0.5		0.5			+	
NORTHERN IRELAND	NIL	0.1	0.1	0.2	0.2				+	

FG COUNTRIES	FG1	FG2	FG3	FG4	FG5	FG6	FG7			
CANADA	1	1	1	1	1	1	1		+	
CZECH REPUBLIC	1	1	1	1	1	1				+
CHILE	N/T	0	0	0.1	0.1	0.2			+	
MEXICO	0.5	0.5	0.75	0.75	1				+	
UNITED STATES	1	1	1	1	1	1			+	

20.14 *Phoma exigua* (gangree)

	Tolerance %											Analysis		
	Pre-Basic Classes (see3.0)			Basic Classes (see3.0)			Certified Classes (see 3.0)					Visual	Lab	
ARGENTINA														
BELARUS	0.5			1			2					+		
BELGIUM														
BOSNIA & HERZEGOVINA														
BULGARIA														
COLOMBIA	0	0	0	0	1		2					+		
CYPRUS														
DENMARK														
FINLAND														
FRANCE														
GERMANY	0,5	0,5	0,5	0,5	0,5	0,5	0,5	0,5				+		
GREECE				1						1		+		+
IRELAND	0.4	0.4		0.4	0.4	0.4								
ISRAEL														
ITALY														
LATVIA														
LUXEMBOURG														
NETHERLANDS														
NORWAY	1			1			1							
PORTUGAL														
RUSSIAN FEDERATION														
SLOVAKIA												+		
SLOVENIA	0	0	0	0	0	0	0	0	0	0	0	+		
SWEDEN	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5				+		
SWITZERLAND														
TURKEY														
ENGLAND and WALES														
SCOTLAND	0	0.1		0.5			0.5					+		
NORTHERN IRELAND	NIL	0.1	0.1	0.4	0.4							+		
FG COUNTRIES	FG1	FG2	FG3	FG4	FG5	FG6	FG7							
CANADA	1	1	1	1	1	1						+		
CZECH REPUBLIC														
CHILE	N/T	N/T	N/T	N/T	N/T	N/T								
MEXICO												+		
UNITED STATES	0	0	0	0	0							+		

20.15 Total Dry rots

	Tolerance %								Analysis	
	Pre-Basic Classes (see3.0)			Basic Classes (see3.0)			Certified Classes (see 3.0)		Visual	Lab
ARGENTINA										
BELARUS	0.5			1			2		+	
BELGIUM	0.5			0.5			0.5			
BOSNIA & HERZEGOVINA										
BULGARIA (wet and dry rot)	0.5			0.5			1.5	1.5	+	
COLOMBIA										
CYPRUS										
DENMARK		0.5			0.5			0.5	+	
FINLAND			0.5	0.5	0.5	0.5		1	1	+
FRANCE (wet and dry rot)	0.1			0.2			0.2			
GERMANY (wet and dry rot)	0.5	0.5	0.5	0.5	0.5	0.5	0.5		+	
GREECE				1				1	+	+
IRELAND	1	1		1	1	1				
ISRAEL										
ITALY (wet and dry rot)	1	1	1	1	1	1	1	1	+	
LATVIA (wet and dry rot)	1.5			1.5	1.5	1.5	1.5	1.5	+	
LUXEMBOURG (wet and dry rot)	1			1			1		+	
NETHERLANDS	0.1			0.1	0.1	0.1	0.1	0.1	+	
NORWAY	1			1			1			
PORTUGAL										
RUSSIAN FEDERATION				0.5	0.5	0.5				
SLOVAKIA				1	1	1		1	1	+
SLOVENIA	Together with other wet rots, total wet rot, dry rot, alternaria solani and total dry rots PB=4, B=8, C=20									
SWEDEN	0.5	0.5	0.5	0.5	0.5	0.5	0.5		+	
SWITZERLAND										
TURKEY										
ENGLAND and WALES										
SCOTLAND	0	0.2		0.5			0.5		+	
NORTHERN IRELAND	NIL	0.2	0.2	0.5	0.5				+	
FG COUNTRIES	FG1	FG2	FG3	FG4	FG5	FG6	FG7			
CANADA	1	1	1	1	1	1	1		+	
CZECH REPUBLIC	1	1	1	1	1	1				+
CHILE	N/T	0	0	0.1	0.1	0.3			+	
MEXICO										
UNITED STATES	2	2	2	2	2				+	

20.16 *Spongospora subterranean* (powdery scab)

	Tolerance %								Analysis	
	Pre-Basic Classes (see3.0)			Basic Classes (see3.0)			Certified Classes (see 3.0)		Visual	Lab
ARGENTINA										
BELARUS	0			0			0		+	
BELGIUM	0			0.2	0.2	0.25	0.25	0.25	+	
BOSNIA & HERZEGOVINA								5	+	+
BULGARIA	0.3			0.3			0.3	0.3	+	
COLOMBIA	0	0	0	0	1		2		+	
CYPRUS										
DENMARK		1			1			1	+	
FINLAND										
FRANCE	0.2			0.2			0.2			
GERMANY									+	
GREECE									+	
IRELAND	5	5		5	5	5				
ISRAEL					0			1	+	
ITALY										
LATVIA										
LUXEMBOURG										
NETHERLANDS	2.5			2.5	2.5	2.5	2.5	2.5	+	
NORWAY	5			5			5			
PORTUGAL	1			0.5	1		1		+	
RUSSIAN FEDERATION		0	0	0	0	0	1	1	1	+
SLOVAKIA										+
SLOVENIA	0	0	0	5	5	5	5	5	5	+
SWEDEN	1	1	1	1	1	1	1			+
SWITZERLAND	1			1			1			+
TURKEY		0			0			0		+
ENGLAND and WALES										
SCOTLAND	0	0.5*		1.5*			3*			+
NORTHERN IRELAND	NIL	0.5	0.5	1.5	3					+

FG COUNTRIES	FG1	FG2	FG3	FG4	FG5	FG6	FG7			
CANADA	10	10	10	10	10	10				+
CZECH REPUBLIC	N/T	0	0	0.2	0.2	0.5				+
CHILE										
MEXICO	0	0.5	1	1.5	2					+
UNITED STATES	5	5	5	5	5					+

\* allowable % surface area cover : 12.5 %

20.17 *Streptomyces scabies* (common scab)

	Tolerance %							Analysis	
	Pre-Basic Classes (see3.0)			Basic Classes (see3.0)		Certified Classes (see 3.0)		Visual	Lab
ARGENTINA									
BELARUS	5			5			5		+
BELGIUM	2.5			2.5			2.5		+
BOSNIA & HERZEGOVINA								10	+
BULGARIA	5			5			5	5	+
COLOMBIA	0	0	0	0	1		2		+
CYPRUS									
DENMARK		1			1			1	+
FINLAND			5	5	5	5		5	5
FRANCE	1			5			5		
GERMANY	5	5	5	5	5	5	5		+
GREECE				5			5		+
IRELAND	10	10		10	10	10			
ISRAEL					1			5	+
ITALY	5	5	5	5	5	5	5	5	+
LATVIA	10			10	10	10	10	10	+
LUXEMBOURG	5			5			5		+
NETHERLANDS	2.5			2.5	2.5	2.5	2.5	2.5	+
NORWAY	5			5			5		
PORTUGAL	5			5	5		5		+
RUSSIAN FEDERATION		0	0.5	0.5	0.5	1.5	2	2	2
SLOVAKIA									
SLOVENIA	0				10			10	+
SWEDEN	5	5	5	5	5	5	5		+
SWITZERLAND	5			5			5		+
TURKEY									
ENGLAND and WALES									
SCOTLAND*	0	3		3		4			
NORTHERN IRELAND	NIL	3	3	3	4				+

  

FG COUNTRIES	FG1	FG2	FG3	FG4	FG5	FG6	FG7		
CANADA									+
CZECH REPUBLIC	10	10	10	10	10				+
CHILE	N/T	2.5	10	15	15	20			+
MEXICO	0	0.5	1	2	3				+
UNITED STATES									+

\*Allowable % surface area cover -25%



20.18 *Rhizoctonia solani* (black scuff)

	Tolerance %							Analysis		
	Pre-Basic Classes (see3.0)			Basic Classes (see3.0)		Certified Classes (see 3.0)		Visual	Lab	
ARGENTINA										
BELARUS	1			5		5		+		
BELGIUM				10		25		+		
BOSNIA & HERZEGOVINA										
BULGARIA										
COLOMBIA	0	0	0	1	2	5		+		
CYPRUS										
DENMARK		2			2		2	+		
FINLAND			3	3	3	3	3	3	+	
FRANCE	1			5		5				
GERMANY										
GREECE				5		5		+		
IRELAND	5	5		5	5	5				
ISRAEL					1		1	+		
ITALY										
LATVIA	5			5	5	5	5	5	+	
LUXEMBOURG										
NETHERLANDS	10			10	10	25	25	25	+	
NORWAY	5			5		5				
PORTUGAL	1			1	1	1			+	
RUSSIAN FEDERATION		0	0	0	0	0			+	
SLOVAKIA				5	5	5		5	5	+
SLOVENIA	0				5		5		+	
SWEDEN	3	3	3	3	3	3			+	
SWITZERLAND	20			20		20			+	
TURKEY										
ENGLAND and WALES										
SCOTLAND	0	0.5*		1.5*		3*			+	
NORTHERN IRELAND	NIL	0.5	0.5	1.5	3				+	
FG COUNTRIES	FG1	FG2	FG3	FG4	FG5	FG6	FG7			
CANADA	5	5	5	5	5	5			+	
CZECH REPUBLIC	5	5	5	5	5				+	
CHILE	N/T	5	10	15	15	15			+	
MEXICO	1	2	3	4	5				+	
UNITED STATES									+	

\* allowable % surface area cover : 12.5 %

20.19 *Helminthosporium solani* (silver scuff)

	Tolerance %							Analysis		
	Pre-Basic Classes (see3.0)			Basic Classes (see3.0)		Certified Classes (see 3.0)		Visual	Lab	
ARGENTINA										
BELARUS	0			0			0		+	
BELGIUM								+		
BOSNIA AND HERZEGOVINA										
BULGARIA										
COLOMBIA	N/T	N/T	N/T	N/T	N/T		N/T			
CYPRUS										
DENMARK		1			1		1	+		
FINLAND										
FRANCE										
GERMANY										
GREECE										
IRELAND	NR			NR						
ISRAEL										
ITALY										
LATVIA										
LUXEMBOURG										
NETHERLANDS	*			*	*	*	*	*	* no shrivelled tubers	
NORWAY										
PORTUGAL	5			5	5		5	+		
RUSSIAN FEDERATION		0	0	0	0	0				
SLOVAKIA								+		
SLOVENIA		0			10		10	+		
SWEDEN	N/T	N/T	N/T	N/T	N/T	N/T				
SWITZERLAND	20			20			20	+		
TURKEY										
ENGLAND and WALES										
SCOTLAND	0	N/T		N/T		N/T				
NORTHERN IRELAND	N/T	N/T	N/T	N/T	N/T					
FG COUNTRIES	FG1	FG2	FG3	FG4	FG5	FG6	FG7			
CANADA	2 eyes/tuber ,only if eyes are infested								+	
CZECH REPUBLIC										
CHILE	N/T	N/T	N/T	N/T	N/T	N/T				
MEXICO										
UNITED STATES	25	25	25	25	25					

\* Mild bruising allowed to 6%

20.20 *Globodera rostochiensis*

	Tolerance %							Analysis	
	Pre-Basic Classes (see3.0)			Basic Classes (see3.0)		Certified Classes (see 3.0)		Visual	Lab
ARGENTINA									
BELARUS	0			0			0		+
BELGIUM	P			P			P	+	
BOSNIA AND HERZEGOVINA	0			0			0		+
BULGARIA *	N/T			N/T			N/T	N/T	+
COLOMBIA	N/T	N/T	N/T	N/T	N/T		N/T		
CYPRUS									
DENMARK	0			0			0		
FINLAND									
FRANCE	N/T			N/T			N/T		
GERMANY	N/T	N/T	N/T	N/T	N/T	N/T	N/T	+	
GREECE				0			0	+	
IRELAND	0	0	0	0	0	0	0		
ISRAEL	N/T								
ITALY	0	0	0	0	0	0	0	0	+
LATVIA									
LUXEMBOURG	N/T			N/T			N/T	+	
NETHERLANDS	N/T			N/T	N/T	N/T	N/T	N/T	+
NORWAY	0			0			0		
PORTUGAL	PROHIBITED								
RUSSIAN FEDERATION	0	0	0	0	0				
SLOVAKIA									+
SLOVENIA		0			0			0	+
SWEDEN									
SWITZERLAND	N/T			N/T			N/T		
TURKEY									
ENGLAND and WALES									
SCOTLAND	0	0		0			0		+
NORTHERN IRELAND	0	0	0	0	0				+

FG COUNTRIES	FG1	FG2	FG3	FG4	FG5	FG6	FG7			
CANADA	0	0	0	0	0	0	0			+
CZECH REPUBLIC										
CHILE	N/T	N/T	N/T	N/T	N/T	N/T	N/T			
MEXICO	0	0	0	0	0					+
UNITED STATES	0	0	0	0	0	0				

\*These diseases are controlled by the Quarantine Authorities, Ministry of Agriculture

20.21 *Globodera pallida*

	Tolerance %								Analysis	
	Pre-Basic Classes (see3.0)			Basic Classes (see3.0)			Certified Classes (see 3.0)		Visual	Lab
ARGENTINA										
BELARUS	0			0			0			+
BELGIUM	P			P			P		+	
BOSNIA AND HERZEGOVINA	0			0			0			+
BULGARIA *	N/T			N/T			N/T	N/T		+
COLOMBIA	0	0	0	0	0	0	0		+	
CYPRUS										
DENMARK										
FINLAND										
FRANCE	N/T			N/T			N/T			
GERMANY	N/T	N/T	N/T	N/T	N/T	N/T	N/T		+	
GREECE				0			0		+	
IRELAND	0	0	0	0	0	0	0			
ISRAEL	N/T									
ITALY										
LATVIA										
LUXEMBOURG										
NETHERLANDS	N/T			N/T	N/T	N/T	N/T	N/T		+
NORWAY	0			0			0			
PORTUGAL	PROHIBITED									
RUSSIAN FEDERATION	0	0								
SLOVAKIA										+
SLOVENIA		0			0			0	+	
SWEDEN										
SWITZERLAND	N/T			N/T			N/T			
TURKEY										
ENGLAND and WALES										
SCOTLAND	0	0		0			0			+
NORTHERN IRELAND	0	0	0	0	0	0				+

FG COUNTRIES	FG1	FG2	FG3	FG4	FG5	FG6	FG7			
CANADA	0	0	0	0	0	0				+
CZECH REPUBLIC										
CHILE	N/T	N/T	N/T	N/T	N/T	N/T				
MEXICO										
UNITED STATES	0	0	0	0	0					

\*These diseases are controlled by the Quarantine Authorities, Ministry of Agriculture

20.22 *Ditylenchus destructor*

	Tolerance %										Analysis	
	Pre-Basic Classes (see3.0)			Basic Classes (see3.0)			Certified Classes (see 3.0)				Visual	Lab
ARGENTINA												
BELARUS	N/T			N/T			N/T					
BELGIUM	p			p			p					
BOSNIA AND HERZEGOVINA												
BULGARIA *	N/T			N/T			N/T	N/T				+
COLOMBIA	N/T	N/T	N/T	N/T	N/T		N/T					
CYPRUS												
DENMARK												
FINLAND												
FRANCE	N/T			N/T			N/T					
GERMANY												
GREECE	0	0	0	0	0	0	0					
IRELAND	0	0	0	0	0	0	0					
ISRAEL	N/T											
ITALY	0	0	0	0	0	0	0	0	0	0	+	
LATVIA												
LUXEMBOURG												
NETHERLANDS	N/T			N/T	N/T	N/T	N/T	N/T			+	
NORWAY												
PORTUGAL	PROHIBITED											
RUSSIAN FEDERATION		0	0									
SLOVAKIA												+
SLOVENIA		0				0			0		+	
SWEDEN												
SWITZERLAND												
TURKEY		0				0			0		+	+
ENGLAND and WALES												
SCOTLAND **	0	0		0		0					+	
NORTHERN IRELAND	0	0	0	0	0	0					+	

FG COUNTRIES	FG1	FG2	FG3	FG4	FG5	FG6	FG7				
CANADA	0	0	0	0	0	0				+	
CZECH REPUBLIC											
CHILE	0	0	0	0	0	0					+
MEXICO											
UNITED STATES	0	0	0	0	0						

\*These diseases are controlled by the Quarantine Authorities, Ministry of Agriculture

\*\* Not present in Scotland

20.23 *Ditylenchus dipsaci*

	Tolerance %									Analysis	
	Pre-Basic Classes (see3.0)			Basic Classes (see3.0)			Certified Classes (see 3.0)			Visual	Lab
ARGENTINA											
BELARUS	N/T			N/T			N/T				
BELGIUM											
BOSNIA AND HERZEGOVINA											
BULGARIA *	N/T			N/T			N/T	N/T			+
COLOMBIA	N/T	N/T	N/T	N/T	N/T		N/T				
CYPRUS											
DENMARK											
FINLAND											
FRANCE											
GERMANY											
GREECE											
IRELAND	0	0	0	0	0	0	0				
ISRAEL	N/T										
ITALY											
LATVIA											
LUXEMBOURG											
NETHERLANDS	N/T			N/T	N/T	0.5	0.5	0.5		+	
NORWAY											
PORTUGAL											
RUSSIAN FEDERATION		0	0	0	0	0	0	0	0		
SLOVAKIA											+
SLOVENIA		0			0			0		+	
SWEDEN											
SWITZERLAND	N/T			N/T			N/T				
TURKEY		0			0			0		+	+
ENGLAND and WALES											
SCOTLAND	0	0		0		0				+	
NORTHERN IRELAND	0	0	0	0	0					+	
FG COUNTRIES	FG1	FG2	FG3	FG4	FG5	FG6	FG7				
CANADA	0	0	0	0	0	0				+	
CZECH REPUBLIC											
CHILE	N/T	N/T	N/T	N/T	N/T	N/T					
MEXICO											
UNITED STATES	0	0	0	0	0						

\*These diseases are controlled by the Quarantine Authorities, Ministry of Agriculture

20.24 *Meloidogyne chitwoodi* and *fallax*

	Tolerance %							Analysis		
	Pre-Basic Classes (see3.0)			Basic Classes (see3.0)			Certified Classes (see 3.0)		Visual	Lab
ARGENTINA										
BELARUS	N/T			N/T			N/T			
BELGIUM	P			p			P			
BOSNIA AND HERZEGOVINA										
BULGARIA *	N/T			N/T			N/T	N/T		+
COLOMBIA	N/T	N/T	N/T	N/T	N/T		N/T			
CYPRUS										
DENMARK										
FINLAND										
FRANCE	N/T			N/T			N/T			
GERMANY										
GREECE										
IRELAND	0	0	0	0	0	0	0			
ISRAEL	N/T									
ITALY										
LATVIA										
LUXEMBOURG										
NETHERLANDS	N/T			N/T	N/T	N/T	N/T	N/T	+	+
NORWAY										
PORTUGAL	PROHIBITED									
RUSSIAN FEDERATION										
SLOVAKIA										+
SLOVENIA		0			0			0	+	
SWEDEN										
SWITZERLAND	N/T			N/T			N/T		+	
TURKEY										
ENGLAND and WALES										
SCOTLAND	0	0		0			0		+	
NORTHERN IRELAND	0	0	0	0	0				+	
FG COUNTRIES	FG1	FG2	FG3	FG4	FG5	FG6	FG7			
CANADA	0	0	0	0	0	0	0			
CZECH REPUBLIC										
CHILE	N/T	N/T	N/T	N/T	N/T	N/T	N/T			
MEXICO	0	0	0	0	0					+
UNITED STATES	0	0	0	0	0					

\*These diseases are controlled by the Quarantine Authorities, Ministry of Agriculture

20.25 *Synchytrium endobioticum* (wart disease)

	Tolerance %								Analysis	
	Pre-Basic Classes (see3.0)			Basic Classes (see3.0)			Certified Classes (see 3.0)		Visual	Lab
ARGENTINA										
BELARUS	0			0			0			+
BELGIUM	P			P			P			
BOSNIA AND HERZEGOVINA		0			0			0	+	+
BULGARIA	N/T			N/T			N/T	N/T	+	+
COLOMBIA	N/T	N/T	N/T	N/T	N/T		N/T			
CYPRUS	N/T									
DENMARK										
FINLAND			0	0	0	0	0	0	+	
FRANCE	N/T			N/T			N/T			
GERMANY	N/T	N/T	N/T	N/T	N/T	N/T	N/T		+	
GREECE				0			0		+	+
IRELAND	0	0		0	0	0				
ISRAEL	N/T									
ITALY	0	0	0	0	0	0	0	0	+	
LATVIA										
LUXEMBOURG	N/T			N/T			N/T		+	
NETHERLANDS	N/T			N/T	N/T	N/T	N/T	N/T	+	
NORWAY	0			0			0			
PORTUGAL	PROHIBITED									
RUSSIAN FEDERATION										
SLOVAKIA									+	+
SLOVENIA		0			0			0	+	
SWEDEN	0	0	0	0	0	0	0	0	+	
SWITZERLAND	N/T			N/T			N/T		+	
TURKEY										
ENGLAND and WALES										
SCOTLAND	0	0		0			0		+	
NORTHERN IRELAND	0	0	0	0	0	0			+	
FG COUNTRIES	FG1	FG2	FG3	FG4	FG5	FG6	FG7			
CANADA	0	0	0	0	0	0	0		+	
CZECH REPUBLIC										
CHILE	N/T	N/T	N/T	N/T	N/T	N/T	N/T			
MEXICO										
UNITED STATES	0	0	0	0	0	0				



20.26 *Clavibacter michiganensis* subsp. *Sepedonicus* (ring rot)

	Tolerance %										Analysis		
	Pre-Basic Classes (see3.0)			Basic Classes (see3.0)			Certified Classes (see 3.0)				Visual	Lab	
ARGENTINA													
BELARUS	0			0			0						+
BELGIUM	P			P			P						
BOSNIA AND HERZEGOVINA		0		0			0				+		+
BULGARIA	N/T			N/T			N/T	N/T			+		+
COLOMBIA													
CYPRUS	N/T												
DENMARK													
FINLAND			0	0	0	0	0	0	0		+		
FRANCE	N/T			N/T			N/T						
GERMANY	N/T	N/T	N/T	N/T	N/T	N/T	N/T				+		
GREECE				0			0				+		+
IRELAND	0	0		0	0	0							
ISRAEL	N/T												
ITALY	0	0	0	0	0	0	0	0	0	0	+		
LATVIA													
LUXEMBOURG	N/T			N/T			N/T				+		
NETHERLANDS	N/T			N/T	N/T	N/T	N/T	N/T			+		+
NORWAY	0			0			0						
PORTUGAL	PROHIBITED												
RUSSIAN FEDERATION	-	-	-	-	-	-	-	-	-	-	-		-
SLOVAKIA													+
SLOVENIA		0			0				0		+		+
SWEDEN	0	0	0	0	0	0	0	0			+		
SWITZERLAND	N/T			N/T			N/T						
TURKEY													
ENGLAND and WALES													
SCOTLAND *	0	0		0			0				+		
NORTHERN IRELAND	0	0	0	0	0	0					+		

FG COUNTRIES	FG1	FG2	FG3	FG4	FG5	FG6	FG7						
CANADA	0	0	0	0	0	0	0				+		+
CZECH REPUBLIC													
CHILE	N/T	N/T	N/T	N/T	N/T	N/T	N/T						
MEXICO													
UNITED STATES	0	0	0	0	0	0							

\* Not present in Scotland

20.27 *Ralstonia solanacearum* (brown rot)

	Tolerance %							Analysis		
	Pre-Basic Classes (see3.0)			Basic Classes (see3.0)			Certified Classes (see 3.0)		Visual	Lab
ARGENTINA										
BELARUS	0			0			0			+
BELGIUM	P			P			P			
BOSNIA AND HERZEGOVINA		0			0			0	+	+
BULGARIA	N/T			N/T			N/T	N/T	+	+
COLOMBIA	0	0	0	0	0	0	0			+
CYPRUS	N/T									
DENMARK										
FINLAND			0	0	0	0	0	0	+	
FRANCE	N/T			N/T			N/T			
GERMANY	N/T	N/T	N/T	N/T	N/T	N/T	N/T		+	
GREECE				0			0		+	
IRELAND	0	0		0	0	0				
ISRAEL	N/T									
ITALY	0	0	0	0	0	0	0	0	+	
LATVIA										
LUXEMBOURG	N/T			N/T			N/T		+	
NETHERLANDS	N/T			N/T	N/T	N/T	N/T	N/T	+	+
NORWAY	0			0			0			
PORTUGAL	PROHIBITED									
RUSSIAN FEDERATION										
SLOVAKIA										+
SLOVENIA		0			0			0	+	+
SWEDEN	0	0	0	0	0	0	0		+	
SWITZERLAND	N/T			N/T			N/T			
TURKEY										
ENGLAND and WALES										
SCOTLAND *	0	0		0			0		+	
NORTHERN IRELAND	0	0	0	0	0	0			+	
FG COUNTRIES	FG1	FG2	FG3	FG4	FG5	FG6	FG7			+
CANADA	0	0	0	0	0	0	0			+
CZECH REPUBLIC										
CHILE	N/T	N/T	N/T	N/T	N/T	N/T	N/T			
MEXICO	0	0	0	0	0					+
UNITED STATES	0	0	0	0	0	0				

\* Not present in Scotland

20.28 Tobacco Rattle Virus

	Tolerance %							Analysis	
	Pre-Basic Classes (see3.0)			Basic Classes (see3.0)		Certified Classes (see 3.0)		Visual	Lab
ARGENTINA									
BELARUS	N/T			N/T			N/T		
BELGIUM									
BOSNIA AND HERZEGOVINA									
BULGARIA									
COLOMBIA									
CYPRUS	N/T								
DENMARK									
FINLAND									
FRANCE									
GERMANY									
GREECE									
IRELAND	Not recorded								
ISRAEL	N/T								
ITALY									
LATVIA									
LUXEMBOURG									
NETHERLANDS	0.5			0.5	0.5	0.5	0.5	0.5	
NORWAY	2			2			2		+
PORTUGAL									
RUSSIAN FEDERATION									
SLOVAKIA									+
SLOVENIA	0			2			2		
SWEDEN	See internal discoloration								+
SWITZERLAND									+
TURKEY									+
ENGLAND and WALES									
SCOTLAND	0	1		2		2			
NORTHERN IRELAND **	N/T	N/T	N/T	N/T	N/T				+

FG COUNTRIES	FG1	FG2	FG3	FG4	FG5	FG6	FG7			
CANADA	0	0	0	0	0	0				
CZECH REPUBLIC										+
CHILE	N/T	N/T	N/T	N/T	N/T	N/T				
MEXICO										
UNITED STATES	n.a.	n.a.	n.a.	n.a.	n.a.					

\*For TRV: for mild spraing tolerance is 6%

\*\*Not present in Northern Ireland

20.29 Superficial necrosis of viral origin

	Tolerance %								Analysis	
	Pre-Basic Classes (see3.0)			Basic Classes (see3.0)			Certified Classes (see 3.0)		Visual	Lab
ARGENTINA										
BELARUS	N/T			N/T			N/T			
BELGIUM										
BOSNIA AND HERZEGOVINA										
BULGARIA										
COLOMBIA										
CYPRUS	N/T									
DENMARK									+	*
FINLAND										
FRANCE	0.1			0.1			0.1			
GERMANY										
GREECE										
IRELAND	N/T			N/T						
ISRAEL	N/T									
ITALY										
LATVIA										
LUXEMBOURG										
NETHERLANDS	N/T			0.5	0.5	0.5	0.5	0.5	+++	+
NORWAY	2			2			2			
PORTUGAL										
RUSSIAN FEDERATION										
SLOVAKIA									+	
SLOVENIA		0			2			2	+	
SWEDEN										
SWITZERLAND									+	
TURKEY										
ENGLAND and WALES										
SCOTLAND	0	1		2			2		+	
NORTHERN IRELAND	3	1	1	2	2				+	
FG COUNTRIES	FG1	FG2	FG3	FG4	FG5	FG6	FG7			
CANADA	0	0	0	0	0	0			+	
CZECH REPUBLIC										
CHILE	N/T	N/T	N/T	N/T	N/T	N/T				
MEXICO										
UNITED STATES	n.a.	n.a.	n.a.	n.a.	n.a.					

\*Total virus 5(spraying and necrosis)

\*\*In tolerance for defects.

20.30 Potato Mop Top Virus (spraing)

	Tolerance %									Analysis	
	Pre-Basic Classes (see3.0)			Basic Classes (see3.0)			Certified Classes (see 3.0)			Visual	Lab
ARGENTINA											
BELARUS	N/T			N/T			N/T				
BELGIUM											
BOSNIA AND HERZEGOVINA											
BULGARIA											
COLOMBIA											
CYPRUS	N/T										
DENMARK										+	
FINLAND			0	0	0	0	0	0		+	
FRANCE											
GERMANY	Not found										
GREECE										+	
IRELAND	N/T			N/T							
ISRAEL	N/T										
ITALY											
LATVIA											
LUXEMBOURG											
NETHERLANDS	n.s			n.s	n.s	n.s	n.s	n.s		Not found	
NORWAY	2			2				2			
PORTUGAL											
RUSSIAN FEDERATION											
SLOVAKIA										+	+
SLOVENIA		0			2				2	+	
SWEDEN	see internal discoloration										
SWITZERLAND										+	
TURKEY											
ENGLAND and WALES											
SCOTLAND	0	1			2			2		+	
NORTHERN IRELAND	3	1	1	2	2					+	
FG COUNTRIES	FG1	FG2	FG3	FG4	FG5	FG6	FG7				
CANADA	0	0	0	0	0	0	0			+	
CZECH REPUBLIC											
CHILE	N/T	N/T	N/T	N/T	N/T	N/T	N/T				
MEXICO											
UNITED STATES	0	0	0	0	0	0					

## 21. FUNGICIDAL DISINFECTANTS

	required	recommended	prohibited	Chemicals approved	Organism controlled
ARGENTINA	-	-	-		
BELARUS	-	-	-		
BELGIUM	-	+	-		
BOSNIA & HERZEGOVINA		+			
BULGARIA		+			
CANADA	-	+		thiophanate-methyl	fusarium, hetminthosporium, oospura
COLOMBIA		-	-		rhizoctonia
CZECH REPUBLIC					
CHILE	-	-	-		
CYPRUS		+		thiabendazol	rhizoctonia
DENMARK	-	-	-		
FINLAND					
FRANCE	-	-	-		
GERMANY	-	+	-	Not allowed	
GREECE		+			
IRELAND		+		TBZ, fungazil	
ISRAEL		+		celest, monseren, rizolex	rhizoctonia
ITALY				thiabendazol, mancozeb	rusariu-streptomices, fusarium-alternaria-rhyzoctonia
LATVIA	-	-	-		
LUXEMBOURG	-	-	-	substances actives diverses	
MEXICO	-	+	-		
NETHERLANDS	-	-	-	several active ingrediants	storage diseases
NORWAY	-	-	-		
PORTUGAL	-	-	-	mancozebe	rhizoctonia
RUSSIAN FEDERATION	-	+	-		
SLOVAKIA	-	+	-	monceren250 fs, maxim 100fs, rizolex 50 fl, tecto450fw	
SLOVENIA	-	+	-		
SWEDEN	-	-	-		
SWITZERLAND	-	-	-	carbendazym, iprodione, mepronil, pencycuron, tiophanate-methyl, feniclonil, thiabendazole.	rhizoctone, gale argentee+rhizoctone
TURKEY	-	-	-		
ENGLAND and WALES	-	-	-		
SCOTLAND	-	+	-		
NORTHERN IRELAND	-	+	-	imazalic, thiabendazole, z-aminobyane	phoma, fusarium, DITTO, hetminthosporium, polyscy, balum pustulans
UNITED STATES	-	-	-		

## 22. REQUIREMENTS FOR PACKAGING AND LABELING

	The closing of packages is done under supervision by:			Each package is supplied with:			
	Government officer	Authorized or accredited person	Other	a certificate inside	a label outside	a seal	other systems of closing
ARGENTINA	-	-	technical director of the company		+		
BELARUS	+	-		-	+	-	
BELGIUM	+				+		
BOSNIA & HERZEGOVINA	-	+		-	+	+	
BULGARIA	+	-		+	+	+	
CANADA	-	-	Grower/packer	-	+	-	
COLOMBIA	+	-		-	+	-	
CZECH REPUBLIC	+	-		-	+	-	
CHILE	+	-		-	+	+	
CYPRUS							
DENMARK		+		-	+	+	
FINLAND		+			+		
FRANCE		+			+	-	
GERMANY	-	+		-	+	+	A seal only supplied when package is dosed with a rope by hand
GREECE	+	-		+	+	+	
IRELAND	+			-	+	+	
ISRAEL	+	-		-	+	+	
ITALY	+			-	+	+	
LATVIA	+				+		
LUXEMBOURG	+	-		-	+	-	
MEXICO	+	+		+	-	-	
NETHERLANDS	-	-	officer inspection service	-	+	-	A seal only supplied when package is dosed with a rope by hand
NORWAY	-			-	+		
PORTUGAL	+	-			+certificate		
RUSSIAN FEDERATION	-	+		-	+	-	
SLOVAKIA	-	+		-	+	-	
SLOVENIA	-	+			+	+	Needle the bags
SWEDEN	-	-			+	+	sewing the bags
SWITZERLAND	+	+	Service officiel	-	+		
TURKEY		+		+	+	+	sewing the bags
ENGLAND and WALES		+		-	+	+	
SCOTLAND	+	-		-	+	+	
NORTHERN IRELAND	+				+	+	
UNITED STATES		-		-	+	-	

### 23. SEED POTATO SHIPMENT

	Seed potato shipments are allowed in bulk	Documentations that must accompany shipments in bulk			
		Invoice	Bill of Lading	Bulk movement certificate	Sealed with an official label
ARGENTINA					
BELARUS	-	+	+	-	-
BELGIUM	+			+	+
BOSNIA & HERZEGOVINA					
BULGARIA	-				
CANADA	+	+	+	+	-
COLOMBIA	-				
CZECH REPUBLIC	+	+	-	+	+
CHILE	-	-	-	-	-
CYPRUS					
DENMARK	+	-	+	-	+
FINLAND	+				+
FRANCE	-				
GERMANY	+	+	+	+	+
GREECE	-				
IRELAND	+	-	-	+	+
ISRAEL	-				
ITALY	-				
LATVIA	+	+			+
LUXEMBOURG	-				
MEXICO					
NETHERLANDS	+	-	+	-	+
NORWAY					
PORTUGAL	-				
RUSSIAN FEDERATION	+			+	
SLOVAKIA	+	-	+	-	+
SLOVENIA	+	+	+	+	+
SWEDEN	+				+
SWITZERLAND	-				
TURKEY	+	-	-	+	+
ENGLAND and WALES	-				
SCOTLAND	+	-	-	+	+
NORTHERN IRELAND	-				
UNITED STATES	+	+	+	+	-



## 24. CHARACTERISTICS OF PACKAGES ALLOWED

	limit to the specific kind of packages (bags, wooden crates, boxes, mini-totes (1MT bags))	maximum weight of each unit	minimum weight of each unit	% variation allowed
ARGENTINA	-			
BELARUS	-	500kg	20kg	
BELGIUM	-			
BOSNIA & HERZEGOVINA	+	50kg	25kg	
BULGARIA	+	50kg	20kg	
CANADA	-	not specified	20kg	
COLOMBIA	+	50kg		
CZECH REPUBLIC	+	40,000kg		
CHILE	+	50kg		
CYPRUS		25kg		
DENMARK				
FINLAND				
FRANCE	+	1250kg	3kg	3%
GERMANY	-	not specified	not specified	Not allowed
GREECE	-			
IRELAND	-	1000kg	6.25kg	none
ISRAEL	+	1000kg	50kg	2%
ITALY	-			
LATVIA	-	60kg		
LUXEMBOURG	-			
MEXICO	+	50kg	50kg	
NETHERLANDS	-	not specified	not specified	n/a
NORWAY				
PORTUGAL	+	50kg	10kg	
RUSSIAN FEDERATION	+	50kg	25kg	
SLOVAKIA	-	1500kg	10kg	
SLOVENIA	+	50kg	10kg	
SWEDEN	-			
SWITZERLAND	-			
TURKEY	+	50kg		
ENGLAND and WALES	-	1000kg		
SCOTLAND	-	no limit	no limit	2%
NORTHERN IRELAND	+	1000	25	2%
UNITED STATES	-			

## 25. SEED TAG

### 25.1 Colour of label

	Pre-Basic Classes (see3.0)			Basic Classes (see3.0)			Certified Classes (see 3.0)		
ARGENTINA									
BELARUS									
BELGIUM	white with diagonal purple line			white			blue		
BOSNIA & HERZEGOVINA	white with violet strip			white			blue		
BULGARIA							A	B	
CANADA	orange	orange	orange	orange	orange	white	blue		
COLOMBIA		light green	dark green	white	pink		blue		
CZECH REPUBLIC	white with the stripe		white	blue	red				
CHILE		white with violet band	white	blue	red	red			
CYPRUS		white with diagonal purple line					white	white	blue
DENMARK		white and purple stripe			white			blue	
FINLAND	white violet with diameter			white			blue		
FRANCE				white			blue		
GERMANY	white with violet strip			white	white	white	blue		
GREECE				white			blue		
IRELAND	white diagonal purple stripe			white	white	white			
ISRAEL		white			red			green	
ITALY	white with violet strip			white			blue		
LATVIA	white with violet strip			white			blue		
LUXEMBOURG	White/violet			white			white		
MEXICO									
NETHERLANDS	white with violet strip			white	white	white	blue	blue	
NORWAY	white with violet strip			white			blue		
PORTUGAL	white with violet strip			white			blue		
RUSSIAN FEDERATION									
SLOVAKIA				white with violet strip		white		blue	red
SLOVENIA	white with violet strip				white			blue	
SWEDEN	white with violet strip			white	white	white	blue		
SWITZERLAND	white with violet strip			white			blue		
TURKEY									
ENGLAND and WALES	white with violet strip			white			blue		
SCOTLAND	white with violet strip			white					
NORTHERN IRELAND	white with violet strip			white	white	white	white		
UNITED STATES	blue	blue	blue	blue	blue				

## 25.2 Nature of contents i.e., Seed Potatoes

	Pre-Basic Classes (see3.0)			Basic Classes (see3.0)			Certified Classes (see 3.0)		
ARGENTINA	-			-			-		
BELARUS	+			+			+		
BELGIUM	+			+			+		
BOSNIA & HERZEGOVINA	+			+			+		
BULGARIA	+			+			+A, B		
COLOMBIA	+	+	+	+	+		+		
CYPRUS	-			-			+		
DENMARK	-	+		-	+		-	+	
FINLAND	+	+	+	+	+	+	+	+	
FRANCE	-			-	+		-	+	
GERMANY	+	+	+	+	+	+	+		
GREECE									
IRELAND	+			+	+	+	-		
ISRAEL	-	+		-	+		-	+	
ITALY									
LATVIA									
LUXEMBOURG	+			+					
NETHERLANDS	+			+	+	+	+	+	
NORWAY	-			-			-		
PORTUGAL	+			+			+		
RUSSIAN FEDERATION	-	+		-	+		-	+	
SLOVAKIA	-			+	+	+	-	+	+
SLOVENIA	-	+		-	+		-	+	

SWEDEN	seed potatoes			-	-	-	-	-	-
SWITZERLAND	Certified Seed Potatoes (Plants de pommes de terre certifies)								
TURKEY	-	+		-	+		-	+	
ENGLAND and WALES	-	+		+			-	+	
SCOTLAND	+			+			-		
NORTHERN IRELAND	+	+	+	+	+	+	+		

FG COUNTRIES	FG1	FG2	FG3	FG4	FG5	FG6	FG7
CANADA	+	+	+	+	+	+	+
CZECH REPUBLIC	+	+	+	+	+		
CHILE	-	+	+	+	+	+	-
MEXICO	-		-	-	-	-	-
UNITED STATES	FG1:seed potatoes	-	-	-	-	-	

### 25.3 Certifying body or authority

	Pre-Basic Classes (see3.0)			Basic Classes (see3.0)			Certified Classes (see 3.0)		
ARGENTINA									
BELARUS	+			+			+		
BELGIUM	+			+			+		
BOSNIA & HERZEGOVINA	+			+			+		
BULGARIA	+			+			A+	B+	
COLOMBIA	+	+	+	+	+		+		
CYPRUS							+		
DENMARK		+			+			+	
FINLAND	+	+	+	+	+	+	+	+	
FRANCE				+	+	+	+	+	+
GERMANY	+	+	+	+	+	+	+		
GREECE				+			+		
IRELAND	+			+	+	+			
ISRAEL		+			+			+	
ITALY			+	+	+	+	+	+	
LATVIA	+			+	+	+	+	+	
LUXEMBOURG	+			+			+		
NETHERLANDS	+			+	+		+	+	
NORWAY	+			+			+		
PORTUGAL	+			+			+		
RUSSIAN FEDERATION		+			+			+	
SLOVAKIA					+	+		+	+
SLOVENIA		+			+			+	
SWEDEN	+	+	+	+	+	+	+		
SWITZERLAND	Service federal des semences et plants, CH 1260 Nyon								
TURKEY								+	
ENGLAND and WALES	+			+				+	
SCOTLAND	+			+					
NORTHERN IRELAND	+	+	+	+	+	+	+		

FG COUNTRIES	FG1	FG2	FG3	FG4	FG5	FG6	FG7
CANADA	+	+	+	+	+	+	+
CZECH REPUBLIC	+	+	+	+	+		
CHILE		+	+	+	+	+	
MEXICO	+	+	+	+	+		
UNITED STATES							

25.4 Producer identification number

	Pre-Basic Classes (see3.0)			Basic Classes (see3.0)			Certified Classes (see 3.0)		
ARGENTINA									
BELARUS	+			+			+		
BELGIUM	+			+			+		
BOSNIA & HERZEGOVINA	+			+			+		
BULGARIA	+			+			A+	B+	
COLOMBIA	+	+	+	+	+		+		
CYPRUS							+		
DENMARK		+			+			+	
FINLAND									
FRANCE				+	+	+	+	+	+
GERMANY	+	+	+	+	+	+	+		
GREECE				+			+		
IRELAND	+			+	+	+			
ISRAEL		+			+			+	
ITALY									
LATVIA	+			+	+	+	+	+	
LUXEMBOURG									
NETHERLANDS	+			+	+	+	+	+	
NORWAY	+			+			+		
PORTUGAL	+			+			+		
RUSSIAN FEDERATION	+			+			+		
SLOVAKIA				+	+	+		+	+
SLOVENIA		+			+			+	
SWEDEN	+	+	+	+	+	+	+		
SWITZERLAND	+			+			+		
TURKEY		+			+			+	
ENGLAND and WALES	+			+			+		
SCOTLAND	Crop identification number, unique 10 digit number								
NORTHERN IRELAND	+	+	+	+	+	+	+	+	

FG COUNTRIES	FG1	FG2	FG3	FG4	FG5	FG6	FG7
CANADA	+	+	+	+	+	+	+
CZECH REPUBLIC	+	+	+	+	+		
CHILE		+	+	+	+	+	
MEXICO							
UNITED STATES							

\*Indicated by the lot number.

25.5 Field identification number

	Pre-Basic Classes (see3.0)			Basic Classes (see3.0)			Certified Classes (see 3.0)		
ARGENTINA									
BELARUS									
BELGIUM									
BOSNIA & HERZEGOVINA	+			+			+		
BULGARIA									
COLOMBIA	+	+	+	+	+		+		
CYPRUS							+		
DENMARK									
FINLAND									
FRANCE				+	+	+	+	+	+
GERMANY	+	+	+	+	+	+	+		
GREECE									
IRELAND									
ISRAEL		+			+			+	
ITALY									
LATVIA									
LUXEMBOURG									
NETHERLANDS									
NORWAY									
PORTUGAL									
SLOVAKIA				+	+	+		+	+
SLOVENIA		+			+			+	
SWEDEN	+	+	+	+	+	+	+		
SWITZERLAND									
TURKEY									
ENGLAND and WALES									
SCOTLAND	Crop identification number, unique 10 digit number								
NORTHERN IRELAND									

FG COUNTRIES	FG1	FG2	FG3	FG4	FG5	FG6	FG7
CANADA	+	+	+	+	+	+	+
CZECH REPUBLIC	-	-	-	-	-	-	-
CHILE	-	+	+	+	+	+	-
MEXICO							
UNITED STATES	-	-	-	-	-	-	-

\*indicated by the lot number

25.6 Lot number

	Pre-Basic Classes (see3.0)			Basic Classes (see3.0)			Certified Classes (see 3.0)		
ARGENTINA									
BELARUS	+			+			+		
BELGIUM	+			+			+		
BOSNIA & HERZEGOVINA	+			+			+		
BULGARIA	+			+			A+	B+	
COLOMBIA	+	+	+	+	+		+		
CYPRUS							+		
DENMARK									
FINLAND	+	+	+	+	+	+	+	+	
FRANCE									
GERMANY	+	+	+	+	+	+	+		
GREECE				+			+		
IRELAND									
ISRAEL		+			+			+	
ITALY			+	+	+	+	+	+	
LATVIA	+			+	+	+	+	+	
LUXEMBOURG	+			+			+		
NETHERLANDS	+			+	+				
NORWAY	+			+			+		
PORTUGAL	+			+			+		
RUSSIAN FEDERATION	+			+			+		
SLOVAKIA				+	+	+		+	+
SLOVENIA		+			+			+	
SWEDEN	-	-	-	-	-	-	-		
SWITZERLAND									
TURKEY		+			+			+	
ENGLAND and WALES									
SCOTLAND	Crop identification number, unique 10 digit number								
NORTHERN IRELAND	+	+	+	+	+	+	+		

FG COUNTRIES	FG1	FG2	FG3	FG4	FG5	FG6	FG7
CANADA	+	+	+	+	+	+	+
CZECH REPUBLIC	+	+	+	+	+		
CHILE	-	+	+	+	+	+	
MEXICO	+	+	+	+	+	-	
UNITED STATES ref. Number	+	+	+	+	+		

25.7 Variety

	Pre-Basic Classes (see3.0)			Basic Classes (see3.0)			Certified Classes (see 3.0)		
ARGENTINA									
BELARUS									
BELGIUM	+			+			+		
BOSNIA & HERZEGOVINA	+			+			+		
BULGARIA	+			+			A+	+B	
COLOMBIA	+	+	+	+	+		+		
CYPRUS							+		
DENMARK		+			+			+	
FINLAND	+	+	+	+	+	+	+	+	
FRANCE				+	+	+	+	+	+
GERMANY	+	+	+	+	+	+	+		
GREECE				+			+		
IRELAND	+			+	+	+			
ISRAEL		+			+				
ITALY			+	+	+	+	+	+	
LATVIA	+			+	+	+	+	+	
LUXEMBOURG	+			+			+		
NETHERLANDS	+			+	+	+	+	+	
NORWAY	+			+			+		
PORTUGAL	+			+			+		
RUSSIAN FEDERATION	+			+			+		
SLOVAKIA				+	+	+		+	+
SLOVENIA		+		+	+			+	
SWEDEN	+	+	+	+	+	+	+		
SWITZERLAND	+			+			+		
TURKEY		+			+			+	
ENGLAND and WALES	+			+			+		
SCOTLAND	+			+					
NORTHERN IRELAND	+	+	+	+	+	+	+		

FG COUNTRIES	FG1	FG2	FG3	FG4	FG5	FG6	FG7
CANADA	+	+	+	+	+	+	+
CZECH REPUBLIC	+	+	+	+	+		
CHILE		+	+	+	+	+	
MEXICO	+	+	+	+	+		
UNITED STATES	+	+	+	+	+		



25.8 Country of Production

	Pre-Basic Classes (see3.0)			Basic Classes (see3.0)			Certified Classes (see 3.0)		
ARGENTINA									
BELARUS	+			+			+		
BELGIUM	+			+			+		
BOSNIA & HERZEGOVINA	+			+			+		
BULGARIA	+			+			+	+	
COLOMBIA	+	+	+	+	+		+		
CYPRUS							+		
DENMARK		+			+			+	
FINLAND				+	+	+	+	+	
FRANCE				+	+	+	+	+	+
GERMANY	+	+	+	+	+	+	+		
GREECE				+			+		
IRELAND	+			+	+	+			
ISRAEL		+			+			+	
ITALY			+	+	+	+	+	+	
LATVIA	+			+	+	+	+	+	
LUXEMBOURG	+			+			+		
NETHERLANDS	+			+	+	+	+	+	
NORWAY									
PORTUGAL	+			+			+		
RUSSIAN FEDERATION									
SLOVAKIA				+	+	+		+	+
SLOVENIA		+			+			+	
SWEDEN	+	+	+	+	+	+	+		
SWITZERLAND	+			+			+		
TURKEY		+			+			+	
ENGLAND and WALES	+			+			+		
SCOTLAND	+			+					
NORTHERN IRELAND	+	+	+	+	+	+	+		

FG COUNTRIES	FG1	FG2	FG3	FG4	FG5	FG6	FG7
CANADA	+	+	+	+	+	+	+
CZECH REPUBLIC							
CHILE		+	+	+	+	+	
MEXICO	+	+	+	+	+		
UNITED STATES	+	+	+	+	+		

25.9 Area of Production

	Pre-Basic Classes (see3.0)			Basic Classes (see3.0)			Certified Classes (see 3.0)		
ARGENTINA									
BELARUS									
BELGIUM	-			-			-		
BOSNIA & HERZEGOVINA	+			+			+		
BULGARIA	+			+			+A	+B	
COLOMBIA	+	+	+	+	+		+		
CYPRUS							+		
DENMARK									
FINLAND									
FRANCE									
GERMANY	+	+	+	+	+	+	+		
GREECE				+			+		
IRELAND									
ISRAEL									
ITALY									
LATVIA	+			+	+	+	+	+	
LUXEMBOURG	+			+			+		
NETHERLANDS	+			+	+	+	+	+	
NORWAY									
PORTUGAL	+			+			+		
RUSSIAN FEDERATION	+			+			+		
SLOVAKIA									
SLOVENIA		+			+			+	
SWEDEN	+	+	+	+	+	+	+		
SWITZERLAND									
TURKEY		+			+			+	
ENGLAND and WALES									
SCOTLAND									
NORTHERN IRELAND									

FG COUNTRIES	FG1	FG2	FG3	FG4	FG5	FG6	FG7
CANADA	+	+	+	+	+	+	+
CZECH REPUBLIC							
CHILE		+	+	+	+	+	
MEXICO							
UNITED STATES	+	+	+	+	+		

\*Indicated by the lot number.

## 25.10 Category

	Pre-Basic Classes (see3.0)			Basic Classes (see3.0)			Certified Classes (see 3.0)		
ARGENTINA									
BELARUS	+			+			+		
BELGIUM	+			+			+		
BOSNIA & HERZEGOVINA	+			+			+		
BULGARIA	+			+			A+	B+	
COLOMBIA	+	+	+	+	+		+		
CYPRUS							+		
DENMARK		+			+			+	
FINLAND	+	+	+	+	+	+	+	+	
FRANCE				+	+	+	+	+	+
GERMANY	+	+	+	+	+	+	+		
GREECE				+			+		
IRELAND	+			+	+	+			
ISRAEL		+			+			+	
ITALY			+	+	+	+	+	+	
LATVIA	+			+	+	+	+	+	
LUXEMBOURG	+			+			+		
NETHERLANDS	+			+	+	+	+	+	
NORWAY	+			+			+		
PORTUGAL	+			+			+		
RUSSIAN FEDERATION	+			+			+		
SLOVAKIA				+	+	+		+	+
SLOVENIA		+			+			+	
SWEDEN	+	+	+	+	+	+	+		
SWITZERLAND	+			+			+		
TURKEY									
ENGLAND and WALES	+			+			+		
SCOTLAND	+			+					
NORTHERN IRELAND	+	+	+	+	+	+	+		

FG COUNTRIES	FG1	FG2	FG3	FG4	FG5	FG6	FG7
CANADA	+	+	+	+	+	+	+
CZECH REPUBLIC	+	+	+	+	+		
CHILE		+	+	+	+	+	
MEXICO	+	+	+	+	+		
UNITED STATES	+	+	+	+	+		

25.11 Class

	Pre-Basic Classes (see3.0)			Basic Classes (see3.0)			Certified Classes (see 3.0)		
ARGENTINA									
BELARUS	+			+			+		
BELGIUM	+			+			+		
BOSNIA & HERZEGOVINA	+			+			+		
BULGARIA	+			+			+	+	
COLOMBIA									
CYPRUS							+		
DENMARK		+			+			+	
FINLAND				+	+	+	+	+	
FRANCE				+	+	+	+	+	+
GERMANY	+	+	+	+	+	+	+		
GREECE							+		
IRELAND	+			+	+	+			
ISRAEL		+			+			+	
ITALY			+	+	+	+	+	+	
LATVIA									
LUXEMBOURG	+			+			+		
NETHERLANDS	+			+	+	+	+	+	
NORWAY	+			+			+		
PORTUGAL	+			+			+		
RUSSIAN FEDERATION	+			+			+		
SLOVAKIA				+	+	+		+	+
SLOVENIA		+			+			+	
SWEDEN	+	+	+	+	+	+	+		
SWITZERLAND	+			+			+		
TURKEY		+			+			+	
ENGLAND and WALES	+			+			+		
SCOTLAND	+			+					
NORTHERN IRELAND	+	+	+	+	+	+	+		

FG COUNTRIES	FG1	FG2	FG3	FG4	FG5	FG6	FG7
CANADA	+	+	+	+	+		
CZECH REPUBLIC	+	+	+	+	+		
CHILE		+	+	+	+	+	
MEXICO							
UNITED STATES	+	+	+	+	+		

25.12 Size

	Pre-Basic Classes (see3.0)			Basic Classes (see3.0)			Certified Classes (see 3.0)		
ARGENTINA									
BELARUS	+			+			+		
BELGIUM	+			+			+		
BOSNIA & HERZEGOVINA	+			+			+		
BULGARIA	+			+			A+	B+	
COLOMBIA	+	+	+	+	+		+		
CYPRUS							+		
DENMARK		+			+			+	
FINLAND				+	+	+	+	+	
FRANCE									
GERMANY	+	+	+	+	+	+	+		
GREECE	+	+	+	+	+	+	+	+	
IRELAND	+			+	+	+			
ISRAEL		+			+			+	
ITALY			+	+	+	+	+	+	
LATVIA	+			+	+	+	+	+	
LUXEMBOURG	+			+			+		
NETHERLANDS	+			+	+	+	+	+	
NORWAY	+			+			+		
PORTUGAL	+			+			+		
RUSSIAN FEDERATION	+			+			+		
SLOVAKIA				+	+	+		+	+
SLOVENIA		+			+			+	
SWEDEN	+	+	+	+	+	+	+		
SWITZERLAND	+			+			+		
TURKEY		+			+			+	
ENGLAND and WALES					+			+	
SCOTLAND	+				+				
NORTHERN IRELAND	+	+	+	+	+	+	+		

FG COUNTRIES	FG1	FG2	FG3	FG4	FG5	FG6	FG7
CANADA	+	+	+	+	+	+	+
CZECH REPUBLIC	+	+	+	+	+		
CHILE							
MEXICO							
UNITED STATES	+	+	+	+	+		

25.13 Declared net weight

	Pre-Basic Classes (see3.0)			Basic Classes (see3.0)			Certified Classes (see 3.0)		
ARGENTINA									
BELARUS	+			+			+		
BELGIUM	+			+			+		
BOSNIA & HERZEGOVINA	+			+			+		
BULGARIA	+			+			A+	B+	
COLOMBIA	+	+	+	+	+		+		
CYPRUS							+		
DENMARK		+			+			+	
FINLAND				+	+	+	+	+	
FRANCE				+	+	+	+	+	+
GERMANY	+	+	+	+	+	+	+		
GREECE				+			+		
IRELAND	+			+	+	+			
ISRAEL		+			+			+	
ITALY			+	+	+	+	+	+	
LATVIA	+			+	+	+	+	+	
LUXEMBOURG	+			+			+		
NETHERLANDS	+			+	+	+	+	+	
NORWAY	+			+			+		
PORTUGAL	+			+			+		
RUSSIAN FEDERATION	+			+			+		
SLOVAKIA				+	+	+		+	+
SLOVENIA		+			+			+	
SWEDEN	+	+	+	+	+	+	+		
SWITZERLAND	+			+			+		
TURKEY		+			+			+	
ENGLAND and WALES	+			+			+		
SCOTLAND	+			+					
NORTHERN IRELAND	+	+	+	+	+	+	+		

FG COUNTRIES	FG1	FG2	FG3	FG4	FG5	FG6	FG7
CANADA	+	+	+	+	+	+	+
CZECH REPUBLIC	+	+	+	+	+		
CHILE							
MEXICO							
UNITED STATES							

25.14 Crop year

	Pre-Basic Classes (see3.0)			Basic Classes (see3.0)			Certified Classes (see 3.0)		
ARGENTINA									
BELARUS	+			+			+		
BELGIUM	+			+			+		
BOSNIA & HERZEGOVINA	+			+			+		
BULGARIA	+								
COLOMBIA	+	+	+	+	+		+		
CYPRUS							+		
DENMARK		+			+			+	
FINLAND									
FRANCE									
GERMANY	+	+	+	+	+	+	+		
GREECE				+			+		
IRELAND									
ISRAEL		+			+			+	
ITALY									
LATVIA									
LUXEMBOURG	+			+			+		
NETHERLANDS	+			+	+	+	+	+	
NORWAY									
PORTUGAL	+			+			+		
RUSSIAN FEDERATION	+			+			+		
SLOVAKIA				+	+	+		+	+
SLOVENIA		+			+			+	
SWEDEN	+	+	+	+	+	+	+		
SWITZERLAND	+			+			+		
TURKEY		+			+			+	
ENGLAND and WALES									
SCOTLAND	+			+					
NORTHERN IRELAND	+	+	+	+	+	+	+		

FG COUNTRIES	FG1	FG2	FG3	FG4	FG5	FG6	FG7
CANADA	+	+	+	+	+	+	+
CZECH REPUBLIC	+	+	+	+	+		
CHILE		+	+	+	+	+	
MEXICO	+	+	+	+	+		
UNITED STATES	+	+	+	+	+		

25.15 Date of printing

	Pre-Basic Classes (see3.0)			Basic Classes (see3.0)			Certified Classes (see 3.0)		
ARGENTINA									
BELARUS	+			+			+		
BELGIUM	+			+			+		
BOSNIA & HERZEGOVINA	+			+			+		
BULGARIA									
COLOMBIA (Date of Harvest)	+	+	+	+	+		+		
CYPRUS									
DENMARK		+			+			+	
FINLAND	+	+	+	+	+	+	+	+	
FRANCE				+	+	+	+	+	+
GERMANY (date of closing)	+	+	+	+	+	+	+		
GREECE				+			+		
IRELAND	+			+	+	+			
ISRAEL		+			+			+	
ITALY			+	+	+	+	+	+	
LATVIA (date of packing)	+			+	+	+	+	+	
LUXEMBOURG	+			+			+		
NETHERLANDS	+			+	+	+	+	+	
NORWAY (date of packing)	+			+			+		
PORTUGAL	+			+			+		
RUSSIAN FEDERATION	+			+			+		
SLOVAKIA				+	+	+		+	+
SLOVENIA		+			+			+	
SWEDEN	+	+	+	+	+	+	+		
SWITZERLAND	+			+			+		
TURKEY									
ENGLAND and WALES	+			+			+		
SCOTLAND	+			+					
NORTHERN IRELAND	+	+	+	+	+	+	+		

FG COUNTRIES	FG1	FG2	FG3	FG4	FG5	FG6	FG7
CANADA	+	+	+	+	+	+	+
CZECH REPUBLIC	+	+	+	+	+		
CHILE		+	+	+	+	+	
MEXICO	+	+	+	+	+		
UNITED STATES							



25.16 Other particulars

ARGENTINA	
BELARUS	
BELGIUM	
BOSNIA & HERZEGOVINA	starting date of the validity of the label
BULGARIA	the info on the label includes also: No. of certificate from Post Control & date and the number of the Bulgarian State Standard
CANADA	
COLOMBIA	
CZECH REPUBLIC	
CHILE	
CYPRUS	
DENMARK	
FINLAND	
FRANCE	
GERMANY	Labels are individually numbered; chemical treatment; EU plantpassport; ZP
GREECE	
IRELAND	labels are individually numbered , packer number also given
ISRAEL	
ITALY	sizing
LATVIA	
LUXEMBOURG	
MEXICO	
NETHERLANDS	chemical treatment (active ingredient), if any
NORWAY	
PORTUGAL	
SLOVAKIA	
SLOVENIA	fungicidal disinfectant, if applied and warning in that case
SWEDEN	EU-plant passport, ZP (Zone protected), EU-directives, chemical treatment (if treated)
SWITZERLAND	CE standards
TURKEY	
ENGLAND and WALES	pre-basic: species, all: Member State, serial number, gm variety (if applicable) details of any chemical treatment
SCOTLAND	
NORTHERN IRELAND	
UNITED STATES	

**26. DIFFERENCES MADE ACCORDING TO CLASSES DEFINED IN CLASSIFICATION SYSTEM (TABLE 7) – Listed by country**

Argentina (Table 9):	In greenhouses tubers must be planted in sterile substrate or in water
Bulgaria (Table 12):	Upon necessity samples are drawn for serological test
Cyprus (Table 17.1):	Florida-test and/or ELISA-test
Denmark (Table 8.1):	Different seed potato fields of the same variety, class and category are allowed to be combined into one lot under a single certification number ONLY if the seed material has the same origin.
Germany (Table 16.4)	Mild mosaic Z1: instead of 1 severe virus disease can occur 5 mild mosaic
(Table 17.3)	Minimum size of sample: for virus test 100, for quarantine test 200 tubers
(Table 18.4,5, 7,9)	total of leaf roll, PVY, PVA, PVM and severe mosaic = severe virus diseases
(Table 18.6)	instead of 1 severe virus disease can occur 4 mild virus diseases
(Table 18.4-11)	category Z is not tested by ELISA only visual
Ireland (Table 17.3):	Only done if found necessary.
Netherlands (Table 13):	If obligatory or recommended, the criteria used in analysis (i.e., dates form planting, Aphid counts etc) is: Aphid counts, class, variety, virus situation in the field.
(Table 17):	Category Basic: class S and SE 100%, class E 50%
Slovakia (Table 8.2):	Pre-Basic + Basic seed is limited to grow only in authorized controlled areas.
(Table 17.2):	Pre Basic is under responsibility of breeder.
England and Wales (Table 13):	Pre-Basic and VTSC classes: compulsory burning off not more than 21 days after second field inspection. Super Elite: No compulsory requirement. Elite: Only required when severe virus infection of more than 0.3% is found at the second field inspection. AA: Only required when severe virus infection of more than 0.3% is found at she second field inspection. CC: Only required when severe infection of more than 0.7% is found at the field inspection.
(Table 14):	Pre-Basic and VTSC: Every plant is inspected on each occasion. Super Elite, Elite and AA: A sample of 20,000 plants at each inspection (10,000 for AA) inspected for each 4ha of crops. CC: Inspections are on the basis of 10x100 plant counts per 2ha unit.
Scotland (Table 13):	If obligatory or recommended, the criteria used in analysis (i.e., dates form planting, Aphid counts etc) is: Time after 2 <sup>nd</sup> inspection for Pre-Basic and VTSC, normally 2 weeks.
(Table 14):	Pre-Basic and VTSC crops may be inspected 3 times.
(Table 17):	Applies only to crops failed for aphids. Volume of stocks tested is very low and, dependent on aphid infestation levels in crops each year.
(Table 19.2):	Pre-Basic, TC and Pre-Basic 1 and 2 differ, VTSC differs form other BASIC classes.
(Table 19.5):	Pre-Basic TC has no size requirements.
Northern Ireland	

- (Table 9) Pre-Basic 1 + Pre-Basic 2 + VTSC classes must have 7 years, SE, E and A crops must have 5 years.
- (Table 12): Basic-VTSC class only tested, because it has nil tolerance for viruses.
- (Table 14): Higher-class crops may have a third inspection in presence of a senior inspector.
- (Table 17.2): No post harvest testing is done.
- (Table 19.5): Pre Basic TC does not have a minimum size.

**27. NAMES AND ADDRESS OF THE NATIONAL SEED POTATO CERTIFICATION AUTHORITY OR AUTHORITIES/ AUTHORITIES THAT CONTROL IMPORTS AND EXPORTS**

<b>COUNTRY</b>	<b>Seed Potato Certification Authority</b>	<b>Import And Export Control</b>
ARGENTINA	Ex Instituto Nacional De Semillas Av. Paseo Colon 922 Piso 3, Oficina 302 Ciudad De Buenos Aires C 1063 Acw	Inase-Senasa
BELARUS		
BOSNIA & HERZEGOVINA		Ministry Of Agriculture
BULGARIA	Executive Agency For Variety Testing, Field Inspection And Seed Control 125, Tzarigradslo Shosse Blvd., 1113 Sofia, Bulgaria, Tel/Fax: +359-2-706517, 713635 E-Mail: <a href="mailto:lasas@Spnet.Net">lasas@Spnet.Net</a>	Agency For Variety Testing, Field Inspection & Seed Control (lasas) Respectively The Directorate For Field Inspection And Seed Control
CANADA	National Manager, Potato Section, Plant Health And Production Division, Canadian Food Inspection Agency 59 Camelot Drive Nepean, Ontario KIA OY9 Tel: +1 613 225-2342 Ext. 4347, Fax: 1 613 228-6628 E-Mail: <a href="mailto:Duffc@Inspection.Gc.Ca">Duffc@Inspection.Gc.Ca</a>	Potato Section, Plant Health And Production Division
COLOMBIA	Registro Y Certificacion De Semillas I.C.A. Calle 34 No. 8-43 Oficina 410 Bogota D.C. Colombia	Instituto Colombiano Agropecuario I.C.A.
CZECH REPUBLIC	Central Institute For Supervising And Testing In Agriculture CISTA ZA Opravnou 4 150 06 Praha 5	The State Phytosanitary Administration S.P.A., Central Institute For Supervision And Testing In Agriculture C.I.S.T.A.
CHILE	Servicio Agricola Y Ganadero (S.A.G) Departamento De Semillas Avenida Bulnes 140 Santiago	Servicio Agricola Y Ganadero
CYPRUS		
DENMARK	Ministry Of Food, Agriculture And Fisheries, The Danish Plant Directorate, Department Of Plants And Plant Health, Att.: Henrik I. Pedersen Havkaervej 83, Postboks 30, DK-8381 Tilst Denmark	Government
FINLAND	Plant Production Inspection Centre (Kttk) Seed Testing Department Pb 111, Fin- 32201 Loimaa	

FRANCE	Contrôleur National GNIS/SOC 44, Rue Du Louvre 75001 Paris Tel: +33 1 42 33 85 01 Fax: 40 28 40 16 E-Mail: <a href="mailto:Gerard.Crouau@Gnis.Fr">Gerard.Crouau@Gnis.Fr</a>	Service De La Protection Des Vegetaux
GERMANY	Federal Office Of Plant Varieties Osterfelddamm 80 D 30627 Hanover Tel: +49511 95 66-5 Fax: +49511 56 33 62 or Certification agencies of the federal countries e.g. in Mecklenburg-Vorpommern, Rostock (D/HRO) Lower Saxonia, Hanover (D/H) Bavaria, Freising (D/FS)...	BLE/ BONN; Seed control Service Of The Federal Countries  Tel. +49381 200 78 27 Tel: +49511 3665 1370 Tel: +498161 713 641
GREECE	Ministry Of Agriculture-Division Of Inputs Of Crop Production. 2 Acharnon St. 10176 Athens Tel: +3 012124102 Fax: +3 012124137 E-Mail: <a href="mailto:Ax2u56@Minagric.Gr">Ax2u56@Minagric.Gr</a>	Regional Services Of Ministry Of Agriculture
IRELAND	Department Of Agriculture, Food And Rura Development Kildare Street Dublin 2, IRELAND	
ISRAEL	Plant Protection And Inspection Services (PPIS) Ministry Of Agriculture And Rural Development P.O. Box 78 Bet-Dagan 50250 Israel	Plant Protection & Inspection Services Ppis
ITALY	Ente Nazionale Delle Sementi Elette (Excluded Bozen District) Via F. Wittgens 4 20123 Milano Tel: 38 02 806 91626 Fax: 806 91649 E-Mail: <a href="mailto:Aff-Gen@Ense.It">Aff-Gen@Ense.It</a> District Phytosanitary Service In Case Of Bozen District	National Phytosanitary Service
LATVIA	State Plant Protection Service Reblic Sg.2, Riga, Lv-1981, Latvia Tel: +371-7027098; 7027406 Fax: +371-7027302	State Plant Protection Service
LUXEMBOURG	Administration Des Services Techniques De L'agriculture	Service De La Production Vegetale, Service De La

	(ASTA) 1) Service De La Production Vegetale 2) Service De La Protection De Vegetaux B.P. 1904 L-1019 Luxembourg	Protection Des Vegetaux
MEXICO	National Inspection And Certification Seeds Service (SNICS) Lope De Vega No. 125, 2do Piso Col. Chapultepec Morales, C.P. 11570 Mexico D.F.	Servicio Nacional De Sanidad, Inocuidad Y Calidad Agroalimentaria
NETHERLANDS	Dutch General Inspection Service For Agricultural Seed And Seed Potatoes (NAK) P.O. Box 1115, 8300 BC Emmeloord, Netherlands	Imports: Plant Protection Service Pps  Exports: Dutch General Inspection Service For Agricultural Seed And Seed Potatoes N.A.K. Within Eu Plant Protection Service, Pps (Third Countries)
NORWAY	Norwegian Agriculture Inspection Service	Norwegian Agriculture Inspection Service
PORTUGAL	Direcção-Geral De Protecção Das Culturas (DGPC) Tapada Da Ajuda Ed.1 1349-018 Lisboa Portugal	Direcção-Geral De Protecção Das Culturas D.G.P.C.
SLOVAKIA	Central Control And Testing Institute Of Agriculture (CCTIA) Matušková 21 833 16 Bratislava Slovakia	Central Control And Testing Institute Of Agriculture C.C.T.I.A.
SLOVENIA		Agricultural Institute
SWEDEN	Swedish Seed Testing And Certification Institute Onssovagen S-268 81 Svalov Sweden	IMPORTS: SWEDISH BOARD OF AGRICULTURE, Jönköping EXPORTS: SWEDISH BOARD OF AGRICULTURE, Jönköping Within EU-Trade: Swedish Seed Testing And Certification Institute
SWITZERLAND	Service Certification-Semences Et Plants Station Federale De Recherches En Production Vegetale De Changins CP 254, CH-1260 NYON 1/ Suisse	Service Certification-Semences Et Plants, Station Fédérale De Recherches En Production Végétale De Changins
TURKEY	Ministry Of Agriculture And Rural Affairs Seed Registration And Certification Centre P.O. Box 107 06172 Yenimahalle/Ankara	Directorate General Of Agricultural Production & Development

	Turkey	
UNITED KINGDOM		
ENGLAND and WALES	Ministry Of Agriculture, Fisheries And Food Foss House, King's Pool 1-2 Peasholme Green, York YO1 7PX	Ministry Of Agriculture, Fisheries And Food
SCOTLAND	Scottish Agricultural Science Agency (Sasa) East Craigs, 82 Craigs Road Edinburch Eh12 8nj	Scottish Executive Environment & Rural Affairs Department S.E.E.R.A.D. Dealing With Plant Health Issues Relating To Potatoes. Imports & Exports Apply Only To Seed Potatoes Moving Outside The Eu.
NORTHERN IRELAND	Department Of Agriculture And Rural Development (DARD) Dundonal House, Belfast BT4 3SU	Department Of Agriculture And Rural Development D.A.R.D.
UNITED STATES		IMPORTS: US Department Of AGRICULTURE EXPORTS: STATE Department Of AGRICULTURE + US Department Of AGRICULTURE

## 28. Abbreviations used

A	Absence
E	elite
FG	field grown
g	grams
g/ha	grams per hectare
kg	kilograms
L	leaves
l/ha	litres per hectare
m	meter
ml/ha	millilitres per hectare
mm	millimetre
n/a	not applicable.
N/T	no tolerance
NR	not reported
P	Presence
(P)	prohibited
PB	prebasic
PBTC	Prebasic tissue culture
R	reported
S	sprouts
SE	super elite
t	tubers
T	tubers
TC	tissue culture