

## SCHEDULE 6

## TOLERANCES FOR DISEASES, PESTS, DAMAGE AND DEFECTS

**Allowable surface area cover**

5.—(1) This paragraph applies, for the purposes of regulation 16(1) and (3), to seed potatoes to which Table II, III (a), (b) or (c) or IV applies.

(2) Subject to sub-paragraph (3), an authorised officer may deem a potato in any sample of seed potatoes to which this paragraph applies not to be affected by a disease in Group III, specified in column 1 of the Table in relation to a potato of that grade when, in the officer's opinion—

- (a) the surface area of the potato affected by the disease is less than the percentage surface area in the entry corresponding to the disease in column 5 of the Table; and
- (b) the potato has at least two eyes at the rose end wholly unaffected by the disease.

(3) Sub-paragraph (2) does not apply when the disease Powdery Scab (*Spongospora subterranea* (Wallr.) Lagerh) takes its cankerous form.

**TABLE I****UNION GRADE PBTC PRODUCED IN SCOTLAND**

<i>Column 1</i>	<i>Column 2</i>
<i>Diseases, pests, damage and defects</i>	<i>Individual Tolerances</i>
Group I	
Potato Wart Disease ( <i>Synchytrium endobioticum</i> (Schilb) Perc.)	Nil
Potato Tuber Eelworm ( <i>Ditylenchus destructor</i> Thorne)	Nil
Potato Cyst Nematode ( <i>Globodera</i> spp. infesting potatoes)	Nil
Ring Rot ( <i>Clavibacter michiganensis</i> subsp. <i>sepedonicus</i> (Spieck & Kotth) Davis et al.)	Nil
Brown Rot ( <i>Ralstonia solanacearum</i> (Smith) Yabuuchi et al.)	Nil
Potato Tuber Moth ( <i>Phthorimaea operculella</i> (Zell))	Nil
Potato Spindle Tuber Viroid	Nil
Colorado Beetle ( <i>Leptinotarsa decemlineata</i> (Say))	Nil
Group II	
Blackleg ( <i>Pectobacterium</i> spp.)	Nil
<i>Dickeya</i> spp.	Nil
Rots including Wet Rot but other than rots specified in Group I	Nil

**Status:** This is the original version (as it was originally made).

<i>Column 1</i>	<i>Column 2</i>
<i>Diseases, pests, damage and defects</i>	<i>Individual Tolerances</i>
Frost damaged tubers	Nil
Group III	
Skin spot ( <i>Polyscytalum pustulans</i> (Owen & Wakefield) Ellis)	Nil
Black scurf ( <i>Rhizoctonia solani</i> Kühn)	Nil
Common scab ( <i>Streptomyces</i> spp.)	Nil
Powdery scab ( <i>Spongospora subterranea</i> (Wallr) Lagerh.f.sp. <i>subterranea</i> )	Nil
Group IV	
External blemishes or tubers other than diseased tubers whose shape is atypical for the variety	Nil
Superficial necrosis caused by strains of Potato Virus Y	Nil
Shrivelled tubers	Nil
Group V	
Dirt or extraneous matter	1.0%

**TABLE II**

**UNION GRADE PB PRODUCED IN SCOTLAND**

<i>Column 1</i>	<i>Column 2</i>	<i>Column 3</i>	<i>Column 4</i>	<i>Column 5</i>
<i>Diseases, pests, damage and defects</i>	<i>Individual Tolerances</i>	<i>Group Tolerances</i>	<i>Collective Group Tolerances</i>	<i>Allowable % surface area cover</i>
Group I				
Potato Wart Disease ( <i>Synchytrium endobioticum</i> (Schilb) Perc.)	Nil			
Potato Tuber Eelworm ( <i>Ditylenchus destructor</i> Thorne)	Nil			
Potato Cyst Nematode ( <i>Globodera</i> spp. infesting potatoes)	Nil			
Ring Rot ( <i>Clavibacter michiganensis</i> subsp. <i>sepedonicus</i> )	Nil			

Column 1	Column 2	Column 3	Column 4	Column 5
Diseases, pests, damage and defects	Individual Tolerances	Group Tolerances	Collective Group Tolerances	Allowable % surface area cover
(Spieck & Kotth) Davis et al.)				
Brown Rot ( <i>Ralstonia solanacearum</i> (Smith) Yabuuchi et al.)	Nil			
Potato Tuber Moth ( <i>Phthorimaea operculella</i> (Zell))	Nil			
Potato Spindle Tuber Viroid	Nil			
Colorado Beetle ( <i>Leptinotarsa decemlineata</i> (Say))	Nil			
Group II				
Blackleg ( <i>Pectobacterium</i> spp.)	Nil	0.2%	}	
<i>Dickeya</i> spp.	Nil		}	
Rots, other than rots specified in Group I	0.2%		}	
Frost damaged tubers	0.2%		}	
Group III				
Skin spot ( <i>Polyscytalum pustulans</i> (Owen & Wakefield) Ellis)	0.2%	5.0%	}	
Black scurf ( <i>Rhizoctonia solani</i> Kühn)	1.0%		}	10.0%
Common scab ( <i>Streptomyces</i> spp.)	5.0%		}	33.3%
Powdery scab ( <i>Spongospora subterranea</i> (Wallr) Lagerh.f.sp. <i>subterranea</i> )	1.0%		}	10.0%
Group IV				
External blemishes or tubers other than diseased tubers whose shape is atypical for the variety	3.0%	3.0%	}	

**Status:** This is the original version (as it was originally made).

<i>Column 1</i>	<i>Column 2</i>	<i>Column 3</i>	<i>Column 4</i>	<i>Column 5</i>
<i>Diseases, pests, damage and defects</i>	<i>Individual Tolerances</i>	<i>Group Tolerances</i>	<i>Collective Group Tolerances</i>	<i>Allowable % surface area cover</i>
Superficial necrosis caused by strains of Potato Virus Y	Nil		}	
Shrivelled tubers	0.5%		}	
Group V				
Dirt or extraneous matter	1%	1%		

**TABLE III**

**UNION GRADE S, SE AND E AND TEST AND TRIAL SEED POTATOES**

a) UNION GRADE S PRODUCED IN SCOTLAND

<i>Column 1</i>	<i>Column 2</i>	<i>Column 3</i>	<i>Column 4</i>	<i>Column 5</i>
<i>Diseases, pests, damage and defects</i>	<i>Individual Tolerances</i>	<i>Group Tolerances</i>	<i>Collective Group Tolerances</i>	<i>Allowable % surface area cover</i>
Group I				
Potato Wart Disease ( <i>Synchytrium endobioticum</i> (Schilb) Perc.)	Nil			
Potato Tuber Eelworm ( <i>Ditylenchus destructor</i> Thorne)	Nil			
Potato Cyst Nematode ( <i>Globodera</i> spp. infesting potatoes)	Nil			
Ring Rot ( <i>Clavibacter michiganensis</i> subsp. <i>sepedonicus</i> (Spieck & Kotth) Davis <i>et al.</i> )	Nil			
Brown Rot ( <i>Ralstonia solanacearum</i> (Smith) Yabuuchi <i>et al.</i> )	Nil			
Potato Tuber Moth ( <i>Phthorimaea operculella</i> (Zell))	Nil			
Potato Spindle Tuber Viroid	Nil			

<i>Column 1</i>	<i>Column 2</i>	<i>Column 3</i>	<i>Column 4</i>	<i>Column 5</i>
<i>Diseases, pests, damage and defects</i>	<i>Individual Tolerances</i>	<i>Group Tolerances</i>	<i>Collective Group Tolerances</i>	<i>Allowable % surface area cover</i>
Colorado Beetle ( <i>Leptinotarsa decemlineata</i> (Say))	Nil			
Group II <i>Dickeya</i> spp. Rots, other than rots specified in Group I (of which Wet Rot) Frost damaged tubers	Nil 0.5% (0.2%) 0.5%	0.5%	}	
Group III Skin spot ( <i>Polyscytalum pustulans</i> (Owen & Wakefield) Ellis) Black scurf ( <i>Rhizoctonia solani</i> Kühn) Common scab ( <i>Streptomyces</i> spp.) Powdery scab ( <i>Spongospora subterranea</i> (Wallr) Lagerh.f.sp. <i>subterranea</i> )	0.5% 5.0% 5.0% 3.0%	5.0%	}	12.5% 10.0% 33.3% 10.0%
Group IV External blemishes or tubers other than diseased tubers whose shape is atypical for the variety Superficial necrosis caused by strains of Potato Virus Y Shrivelled tubers	3.0% 0.1% 1.0%	3.0%	}	
Group V Dirt or extraneous matter	1.0%	1.0%		

**b) UNION GRADE SE PRODUCED IN SCOTLAND**

<i>Column 1</i>	<i>Column 2</i>	<i>Column 3</i>	<i>Column 4</i>	<i>Column 5</i>
<i>Diseases, pests, damage and defects</i>	<i>Individual Tolerances</i>	<i>Group Tolerances</i>		

**Status:** This is the original version (as it was originally made).

<i>Column 1</i>	<i>Column 2</i>	<i>Column 3</i>	<i>Column 4</i>	<i>Column 5</i>
<i>Diseases, pests, damage and defects</i>	<i>Individual Tolerances</i>	<i>Group Tolerances</i>	<i>Collective Group Tolerances</i>	<i>Allowable % surface area cover</i>
			<i>Collective Group Tolerances</i>	<i>Allowable % surface area cover</i>
Group I				
Potato Wart Disease ( <i>Synchytrium endobioticum</i> (Schilb) Perc.)	Nil			
Potato Tuber Eelworm ( <i>Ditylenchus destructor</i> Thorne)	Nil			
Potato Cyst Nematode ( <i>Globodera</i> spp. infesting potatoes)	Nil			
Ring Rot ( <i>Clavibacter michiganensis</i> subsp. <i>sepedonicus</i> (Spieck & Kotth) Davis et al.)	Nil			
Brown Rot ( <i>Ralstonia solanacearum</i> (Smith) Yabuuchi et al.)	Nil			
Potato Tuber Moth ( <i>Phthorimaea operculella</i> (Zell))	Nil			
Potato Spindle Tuber Viroid	Nil			
Colorado Beetle ( <i>Leptinotarsa decemlineata</i> (Say))	Nil			
Group II				
<i>Dickeya</i> spp.	Nil		}	
Rots, other than rots specified in Group I	0.5%		}	
(of which Wet Rot)	(0.2%)		}	
Frost damaged tubers	0.5%		}	
Group III				

**Status:** This is the original version (as it was originally made).

<i>Column 1</i> <i>Diseases, pests, damage and defects</i>	<i>Column 2</i> <i>Individual Tolerances</i>	<i>Column 3</i> <i>Group Tolerances</i>	<i>Column 4</i> <i>Collective Group Tolerances</i>	<i>Column 5</i> <i>Allowable % surface area cover</i>
Skin spot ( <i>Polyscytalum pustulans</i> (Owen & Wakefield) Ellis)	0.5%	5.0%	} 6.0%	12.5%
Black scurf ( <i>Rhizoctonia solani</i> Kühn)	5.0%			10.0%
Common scab ( <i>Streptomyces</i> spp.)	5.0%			33.3%
Powdery scab ( <i>Spongospora subterranea</i> (Wallr) Lagerh.f.sp. <i>subterranea</i> )	3.0%			10.0%
Group IV				
External blemishes or tubers other than diseased tubers whose shape is atypical for the variety	3.0%	3.0%	}	
Superficial necrosis caused by strains of Potato Virus Y	0.1%			
Shrivelled tubers	1.0%			
Group V				
Dirt or extraneous matter	1.0%	1.0%		

**c) UNION GRADE E AND TEST AND TRIAL SEED POTATOES PRODUCED IN SCOTLAND**

<i>Column 1</i> <i>Diseases, pests, damage and defects</i>	<i>Column 2</i> <i>Individual Tolerances</i>	<i>Column 3</i> <i>Group Tolerances</i>	<i>Column 4</i> <i>Collective Group Tolerances</i>	<i>Column 5</i> <i>Allowable % surface area cover</i>
Group I				
Potato Wart Disease ( <i>Synchytrium endobioticum</i> (Schilb) Perc.)	Nil			
Potato Tuber Eelworm ( <i>Ditylenchus destructor</i> Thorne)	Nil			

Status: This is the original version (as it was originally made).

Column 1	Column 2	Column 3	Column 4	Column 5
Diseases, pests, damage and defects	Individual Tolerances	Group Tolerances	Collective Group Tolerances	Allowable % surface area cover
Potato Cyst Nematode ( <i>Globodera</i> spp. infesting potatoes)	Nil			
Ring Rot ( <i>Clavibacter michiganensis</i> subsp. <i>sepedonicus</i> (Spieck & Kotth) Davis et al.)	Nil			
Brown Rot ( <i>Ralstonia solanacearum</i> (Smith) Yabuuchi et al.)	Nil			
Potato Tuber Moth ( <i>Phthorimaea operculella</i> (Zell))	Nil			
Potato Spindle Tuber Viroid	Nil			
Colorado Beetle ( <i>Leptinotarsa decemlineata</i> (Say))	Nil			
Group II				
<i>Dickeya</i> spp.	Nil		}	
Rots, other than rots specified in Group I (of which Wet Rot)	0.5% (0.2%)	0.5%	}	
Frost damaged tubers	0.5%		}	
Group III				
Skin spot ( <i>Polyscytalum pustulans</i> (Owen & Wakefield) Ellis)	0.5%	5.0%	}	12.5%
Black scurf ( <i>Rhizoctonia solani</i> Kühn)	5.0%		}	10.0%
Common scab ( <i>Streptomyces</i> spp.)	5.0%		}	6.0% 33.3%
Powdery scab ( <i>Spongospora subterranea</i> (Wallr) Lagerh.f.sp. <i>subterranea</i> )	3.0%		}	10.0%
Group IV				
External blemishes or tubers other than	3.0%	3.0%	}	



<i>Column 1</i>	<i>Column 2</i>	<i>Column 3</i>	<i>Column 4</i>	<i>Column 5</i>
<i>Diseases, pests, damage and defects</i>	<i>Individual Tolerances</i>	<i>Group Tolerances</i>	<i>Collective Group Tolerances</i>	<i>Allowable % surface area cover</i>
diseased tubers whose shape is atypical for the variety				
Superficial necrosis caused by strains of Potato Virus Y	0.1%		}	
Shrivelled tubers	1.0%		}	
Group V				
Dirt or extraneous matter	1.0%			

**TABLE IV**

**BASIC SEED POTATOES INTENDED FOR MARKETS OUTSIDE THE EU**

<i>Column 1</i>	<i>Column 2</i>	<i>Column 3</i>	<i>Column 4</i>	<i>Column 5</i>
<i>Diseases, pests, damage and defects</i>	<i>Individual Tolerances</i>	<i>Group Tolerances</i>	<i>Collective Group Tolerances</i>	<i>Allowable % surface area cover</i>
Group I				
Potato Wart Disease ( <i>Synchytrium endobioticum</i> (Schilb) Perc.)	Nil			
Potato Tuber Eelworm ( <i>Ditylenchus destructor</i> Thorne)	Nil			
Potato Cyst Nematode ( <i>Globodera</i> spp. infesting potatoes)	Nil			
Ring Rot ( <i>Clavibacter michiganensis</i> subsp. <i>sepedonicus</i> (Spieck & Koth) Davis et al.)	Nil			
Brown Rot ( <i>Ralstonia solanacearum</i> (Smith) Yabuuchi et al.)	Nil			
Potato Tuber Moth ( <i>Phthorimaea operculella</i> (Zell))	Nil			

Status: This is the original version (as it was originally made).

<i>Column 1</i>	<i>Column 2</i>	<i>Column 3</i>	<i>Column 4</i>	<i>Column 5</i>
<i>Diseases, pests, damage and defects</i>	<i>Individual Tolerances</i>	<i>Group Tolerances</i>	<i>Collective Group Tolerances</i>	<i>Allowable % surface area cover</i>
Potato Spindle Tuber Viroid	Nil			
Colorado Beetle ( <i>Leptinotarsa decemlineata</i> (Say))	Nil			
Group II				
<i>Dickeyaspp.</i>	Nil		}	
Rots including Wet Rot but other than rots specified in Group I	0.2%	0.2%	}	
Frost damaged tubers	0.2%		}	
Group III				
Skin spot ( <i>Polyscytalum pustulans</i> (Owen & Wakefield) Ellis)	0.5%	1.5%	}	12.5%
Black scurf ( <i>Rhizoctonia solani</i> Kühn)	1.5%		}	4.7%
Common scab ( <i>Streptomyces spp.</i> )	1.5%		}	12.5%
Powdery scab ( <i>Spongospora subterranea</i> (Wallr) Lagerh.f.sp. <i>subterranea</i> )	1.5%		}	12.5%
Group IV				
External blemishes or tubers other than diseased tubers whose shape is atypical for the variety	1.0%	3.0%	}	
Superficial necrosis caused by strains of Potato Virus Y	0.1%		}	
External necrosis (caused by viruses other than Potato Virus Y)	2.0%		}	
Shrivelled tubers	2.0%		}	
Group V				
Dirt or extraneous matter	0.5%			