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## GOVERNMENT NOTICES

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### DEPARTMENT OF AGRICULTURE, FORESTRY AND FISHERIES

No. R. 927

22 October 2010

#### PLANT IMPROVEMENT ACT, 1976 (ACT No. 53 OF 1976)

#### SOUTH AFRICAN SEED POTATO CERTIFICATION SCHEME: AMENDMENT

The Minister of Agriculture, Forestry and Fisheries, acting under Section 23 of the Plant Improvement Act, 1976 (Act No. 53 of 1976), hereby amend the South African Seed Potato Certification Scheme published under Government Notice No. R. 664 of 15 May 1998, to the extent set out in the Schedule.

#### SCHEDULE

##### **Definition**

1. In this Schedule "the Scheme" means the South African Seed Potato Certification Scheme published by Government Notice No. R. 664 of 15 May 1998, as amended by Government Notice No. R. 1206 of 1 December 2000, as corrected by Government Notice No. R. 40 of 19 January 2001 and as amended by Government Notice Nos. R. 1382 of 8 November 2002, R. 1185 of 1 December 2006 and R. 812 of 7 September 2007.

##### **Amendment of Definitions of the Scheme**

2. The Definitions of the Scheme is hereby amended by:
- (a) moving the definition for "*Ralstonia solanacearum*" to the alphabetically correct position;
  - (b) substitution of the expression "mini tubers" with the expression "micro tubers" in the English text;
  - (c) insertion of the following definition for "mini tubers" immediately after the definition for "micro tubers":  
  
"mini tubers" means tubers that have been cultivated *in vivo* from vegetative *in vitro* propagating material"
  - (d) improvement of the definition for "prohibited organism" by insertion of the expression "(bacterial wilt)" immediately after the expression "*Ralstonia solanacearum*"

##### **Amendment of Section 5 of the Scheme**

3. Section 5 of the Scheme is hereby amended by substitution of the expression "bi-annually" in the English text of subsection (1) with the expression "on a biennial basis".

##### **Amendment of Section 6 of the Scheme**

4. Section 6 of the Scheme is hereby amended by –

- (a) substitution of the expression "meters" in the English text of subsection (1) with the expression "metres".
- (b) substitution of the expression "G0 and G1" in subsection (3) with the expression "G0, G1, G2 and G3";
- (c) deletion of paragraphs (iii) and (iv) of subsection (3)
- (d) substitution of the expression "two" in subsection (7) with the expression "three".

**Amendment of Section 7 of the Scheme**

5. Section 7 of the Scheme is hereby amended by substitution of the expression "his" in paragraph (1)(d) with the expression "his or her".

**Amendment of Section 8 of the Scheme**

6. Section 8 of the Scheme is hereby amended by substitution of the expression "comply with the maximum percentage permissible" in paragraph (1)(f) with the expression "not exceed the maximum percentage permissible".

**Amendment of Section 9 of the Scheme**

7. Section 9 of the Scheme is hereby amended by –

- (a) insertion of the expression "tomato spotted wilt virus" in paragraph (4)(a) immediately after the expression "leafroll virus".
- (b) substitution of paragraph (4)(b) with the following:

"9(4)(b) for the presence of *Ralstonia solanacearum*, *Pectobacterium caratovorum*, *Pectobacterium atrosepticum* and *Dickeya dadantii*;"

**Amendment of section 10 of the Scheme**

8. Section 10 of the Scheme is hereby amended by –

- (a) substitution of paragraph (1)(c) with the following:

"10(1)(c) in the case of G0 seed potatoes, also be tested in a laboratory approved by the authority in accordance with recognised methods for the presence of –

- (i) *Pectobacterium caratovorum*;
- (ii) *Pectobacterium atrosepticum*; and
- (iii) *Dickeya dadantii*; and"

- (b) substitution of the expression "comply with the maximum percentage permissible" in paragraph (1)(d) with the expression "not exceed the maximum percentage permissible"

- (c) substitution of the expression "G0" in subsection (2) with the expression "G0 to G7".

**Amendment of section 11 of the Scheme**

9. Section 11 of the Scheme is hereby amended by–

- (a) substitution of the expression "mini" in paragraph (a) with the expression "micro".

- (b) insertion of the expression "(mini tubers)" directly after the expression "G0 seed potatoes" in paragraph (b).

***Amendment of section 12 of the Scheme***

10. Section 12 of the Scheme is hereby amended by the substitution of the expression "locality" with the expression "of the site" respectively in paragraphs (b) and (c) of subsection (3).

***Amendment of section 18 of the Scheme***

11. Section 18 of the Scheme is hereby amended by -

- (a) insertion of the expression "testing for" directly after the expression "the size of the sample for" in paragraph (1)(d).
- (b) substitution of the expression "paragrawe" in the Afrikaans text of paragraph (1)(e) with the expression "paragraaf".
- (c) substitution of the expression "an officer" in subsection (4) with the expression "a certification official".

***Amendment of section 19 of the Scheme***

12. Section 19 of the Scheme is hereby amended by-

- (a) insertion of the expression "and" at the end of paragraph (1)(b) and the insertion of the following expression immediately after paragraph (1)(b):  

"19(1)(c) tomato spotted wilt virus symptoms have been detected during tuber inspection and the field sample was not tested for tomato spotted wilt virus."
- (b) substitution of paragraph (2)(a) with the following:  

"19(2)(a) G0 seed potatoes, be 2 tubers per 100 plants or a portion thereof for virus testing and 4 tubers per 100 plants or a portion thereof for bacterial wilt testing; and"
- (c) deletion of the expression ", wees" in the Afrikaans text of paragraph (2)(b);
- (d) substitution of subsection (3) with the following:  

"19(3) A post control sample of 60 tubers per presentation per 5 000 x 25 kg containers or a portion thereof shall be taken at tuber inspection in order to determine whether the seed potatoes of each presentation are true to variety."
- (e) insertion of the expression "grower" in subsection (4) before the expression "label".
- (f) substitution of the expression "officer, authorised by the authority" in subsection (5) with the expression "official or a person designated by the authority".

***Amendment of section 20 of the Scheme***

13. Section 20 of the Scheme is hereby amended by -

- (a) the substitution of paragraph (1)(b) with the following:

“20(1)(b) in order to confirm the virus results of the presentation; and”

- (b) substitution of the expression “officer, authorised by the authority” in subsection (4) with the expression “official or a person designated by the authority”.

***Amendment of section 21 of the Scheme***

- 14. Section 21 of the Scheme is hereby amended by the substitution of the expression “an officer” in subsection (2) with the expression “a certification official”.

***Amendment of section 22 of the Scheme***

- 15. Section 22 of the Scheme is hereby corrected in the English text by substitution of the expression “if potatoes for certification” in paragraph (2)(e) with the expression “if potatoes not intended for certification”.

***Amendment of section 23 of the Scheme***

- 16. Section 23 of the Scheme is hereby amended by substitution of the expression “the seed potatoes comply with the maximum percentage permissible” in paragraph (1)(l) with the expression “the seed potatoes do not exceed the maximum percentage permissible”

***Amendment of section 24 of the Scheme***

- 17. Section 24 of the Scheme is hereby amended by substitution of paragraph (2)(b) with the following:

“24(2)(b) be bags or crates that were disinfected with an effective agent if such bags or crates were used previously for seed potatoes infected with a prohibited organism.”

***Amendment of section 25 of the Scheme***

- 18. Section 25 of the Scheme is hereby amended by—

- (a) substitution of the expression “obtainable from” in subsection (1) with the expression “issued by”.
- (b) substitution of subsection (6) with the following:

“25(6) Upon completion of the tuber inspection, the grower shall immediately affix the labels issued to him or her to the containers in a manner determined by the authority.”

- (c) substitution of the expression “aartappels” in the Afrikaans text of subsection (8) with the expression “aartappelmoere”.
- (d) substitution of paragraph (8)(c) with the following:

“25(8)(c) the grower code as allocated by the authority”.

- (e) substitution of the expression “knolinpseksie” in the Afrikaans text of subsection (11) with the expression “knolinspeksie”.

***Amendment of section 28 of the Scheme***

- 19. Section 28 of the Scheme is hereby amended by—

- (a) inserting the expression “post control” directly after the expression “representative” in paragraph (2)(b).

- (b) inserting the expression "(1) to (7)" directly after the expression "section 25" in subsection (4).

***Amendment of section 29 of the Scheme***

20. Section 29 of the Scheme is hereby amended by -

- (a) substitution of the expression "him" with the expression "him or her" where it occurs respectively in subsections (1) and (2) and paragraph (3)(a).
- (b) substitution of the expression "potato" where it occurs in the English text in subsections (1) and (2) with the expression "potatoes".

***Amendment of section 30 of the Scheme***

21. Section 30 of the Scheme is hereby amended by -

- (a) deletion of the expression "and destroy" where it occurs in the English text of paragraphs (a) and (b) of subsection (3).
- (b) deletion of the expression "and seals" in paragraph (3)(b).

***Amendment of section 35 of the Scheme***

22. Section 35 of the Scheme is hereby amended by substitution of the e-mail address and the insertion of the following internet address in subsection (2):

"E-mail address:     asd@agric.co.za  
Web site:           www.potatoes.co.za/Production/Seed Potatoes "

***Amendment of Table 1 of the Scheme***

23. Table 1 of the Scheme is hereby amended by the deletion of the expression "*Zingiber officinale* Roscoe. Ginger/Gemmer".

***Substitution of Table 2 of the Scheme***

24. Table 2 of the Scheme is hereby substituted by the table in Annexure A.

***Substitution of Table 5 of the Scheme***

25. Table 5 of the Scheme is hereby substituted by the table in Annexure B.

## ANNEXURE A / BYLAE A

TABLE 2/TABEL 2

Maximum percentage of deviating and pathogen infected plants permissible/  
Maksimum persentasie afwykende en patogeenbesmette plante toelaatbaar

GENERATION/ GENERASIE	FIELD INSPECTION/ LANDINSPEKSIE	**DEVIATING PLANTS/ **AFWYKENDE PLANTE	DISEASE/SIEKTE		
			BACTERIA/BAKTERIEË	FUNGI/SWAMME	
			<i>Ralstonia solanacearum</i> BACTERIAL WILT/ BAKTERIESE VERWELK	<i>Pectobacterium caratovorum</i> <i>Pectobacterium atrosepticum</i> <i>Dickeya dadantii</i> *ERWINIA WILT, BLACKLEG/ *ERWINIA VERWELK, SWARTSTAM	<i>Verticillium albo-atrum</i> <i>Verticillium dahliae</i> *VERTICILLIUM WILT/ *VERTICILLIUM VERWELK
G0	First Second	0 0	0 0	0 0	0 0
G1 - 3	First Second	0.10 0.01	0 0	0.50 0.10	0.50 0.10
G4 - 6	First Second	2.00 0.50	0 0	1.50 0.50	1.50 0.50
G7 - 8	First Second	3.00 1.00	0 0	5.00 2.00	5.00 2.00

\* Infected plants together with tubers have to be removed to the satisfaction of the authority/  
Besmette plante moet saam met die aardappelmoere, tot die bevrediging van die gesag, verwyder word.

\*\* True potato seed must comply with the recognised description referred to in section 17 of the Act/  
Ware aardappelsaad moet aan die erkende beskrywing vermeld in seksie 17 van die Wet voldoen

## ANNEXURE B / BYLAE B

TABLE 5/TABEL 5

Maximum percentage potato tuber moth damage and pathogen infected seed potatoes permissible/

Maksimum persentasie aartappelmotskade en patogeenbesmette aartappelmoere toelaatbaar

ORGANISM OR CONDITION/ORGANISME OF TOESTAND		G0	G1 – G3			G4 – G6			G7 – G8		
Scientific name/ Wetenskaplike naam	Common name/ Gewone naam		Elite	C1*/ K1*	Std**	Elite	C1*/ K1*	Std**	Elite	C1*/ K1*	Std* *
<b>A</b>											
<i>Globodera rostochiensis</i>	Golden eelworm/Goue aalwurm	0	0	0	0	0	0	0	0	0	0
<i>Ralstonia solanacearum</i>	Bacterial wilt disease/ Bakteriese verwelksteke	0	0	0	0	0	0	0	0	0	0
<i>Synchytrium endobioticum</i>	Wart disease/Vraijiesiekte	0	0	0	0	0	0	0	0	0	0
<b>B</b>											
<i>Oospora pustulans</i>	Skin spot/Velvlak	0	0.0	0.2	4.0	0.1	0.5	4.0	0.5	3.0	4.0
<i>Rhizoctonia solani</i>	Black scurf/Swartskurf	0	0.5	1.0	20.0	1.0	8.0	20.0	1.0	8.0	20.0
<i>Spongospora subterranea</i>	Powdery scab/Poelerskurf	0	0.0	0.2	4.0	0.1	0.5	4.0	0.5	3.0	4.0
<i>Streptomyces scabies</i>	Common scab/Bruinskurf	0	0.1	0.5	8.0	0.5	1.0	8.0	1.0	3.0	8.0
Maximum joint percentage permissible for B/ Maksimum gesamentlike persentasie toelaatbaar vir B		0	0.5	1.0	20.0	1.0	8.0	20.0	1.0	8.0	20.0
<b>C</b>											
<i>Fusarium</i> spp.	Dry rot/Droë vrot	0	0.2	0.5	5.0	0.5	1.0	5.0	1.0	3.0	5.0
<i>Phoma exigua</i>	Stem-end rot/Puntjevrot	0	0.2	0.5	3.0	0.5	1.0	3.0	1.0	2.0	3.0
<i>Pseudomonas fluorescens</i>	Gangrene/Gangreen	0	0.2	0.5	5.0	0.5	1.0	5.0	1.0	3.0	5.0
<i>Phytophthora infestans</i>	Pink eye/Plenkoog	0	0.1	0.1	1.0	0.1	0.1	1.0	0.1	0.1	1.0
	Late blight/Swaartoes	0	0.1	0.1	0.2	0.1	0.1	0.2	0.1	0.1	0.5
Maximum joint percentage permissible for C/ Maksimum gesamentlike persentasie toelaatbaar vir C		0	0.2	0.5	5.0	0.5	1.0	5.0	1.0	3.0	5.0

ORGANISM OR CONDITION/ORGANISME OF TOESTAND		G0	G1 – G3			G4 – G6			G7 – G8		
Scientific name/ Wetenskaplike naam	Common name/ Gewone naam		Elite	C1*/ K1*	Std**	Elite	C1*/ K1*	Std**	Elite	C1*/ K1*	Std*
<b>D</b>											
<i>Meloidogyne</i> spp.	Root knot eelworm/ Knopwortelaalwurm	0	0,1	0,2	1,0	0,1	0,5	1,0	0,2	0,5	1,0
<i>Pratylenchus</i> spp.	Skin eelworm/Velaalwurm	0	0,1	0,5	5,0	0,5	1,0	5,0	1,0	2,0	5,0
Maximum joint percentage permissible for D/ Maksimum gesamentlike persentasie toelaatbaar vir D		0	0,1	0,5	5,0	0,5	1,0	5,0	1,0	2,0	5,0
<b>E</b>											
<i>Phthorimaea operculella</i>	Potato tuber moth: eye damage Aartappelmot: ogiebeskadiging	0	0,2	0,5	3,0	1,0	2,0	3,0	1,0	2,0	3,0
	Potato tuber moth: surface damage Aartappelmot: oppervlakbeskadiging	0	0,2	1,0	4,0	2,0	3,0	4,0	2,0	3,0	4,0
	Maximum joint percentage permissible for E/ Maksimum gesamentlike persentasie toelaatbaar vir E	0	0,2	1,0	4,0	2,0	3,0	4,0	2,0	3,0	4,0
<b>F</b>											
<i>Colletotrichum coccodes</i>	Black Dot/Swartspikkel	0	0,5	2,0	30,0	5,0	15,0	30,0	10,0	20,0	30,0
<i>Helminthosporium solani</i>	Silver scurf/Silwerskurf	0	0,5	2,0	30,0	5,0	15,0	30,0	10,0	20,0	30,0
Maximum joint percentage permissible for F/ Maksimum gesamentlike persentasie toelaatbaar vir F		0	0,5	2,0	30,0	5,0	15,0	30,0	10,0	20,0	30,0

\* C1 – Class 1  
 \*\* Std – Standard Class

\* K1 – Klas 1  
 \*\* Std – Standaardklas