

Canadian and State Regulations Summary

Updated for use in 2019

State	Limited Generation		Distance from commercial field	Distance between seed lots	Generation in field	Seed Classes	All fields entered	Seed stocks required	Years free of BRR (1)	No. of field inspections		Winter Test Required	Field Tolerances - Final Inspection (%)						
	Only	Both								Field	Harvest		LR	MOS	Other	Fus/Vert	Var. Mix	Sp Tuber	BRR
AK	X		50'	10' &/or clear demarcation	1st=G1 Total = 8	G0-G8	Yes	Must originate from nuclear stock	None previous year	2	1	Not required	G0&G1 0 G2-8 0.1	G0&1=0 G2=0.1 G3-8=0.2 (PVY=0.1)	BL-G0-G1=0 G2- G4=1.0 G5- G8=2.0 RZ-G0- G1=0.5 G2- G4=1 G5-G8=2	Not Stated	G0-3=0 G4-8=0.1	G0-8=0	0
CA	X		1 row	Clear demarcation	1st=N Total = 6	Pre-N, N G1-G5	Yes	CA generation system or equiv. Winter test req. for recertification. G4 last generation accepted.	1 year with crop other than potatoes	2	1	Required for recertification only	PreN&N=0 G1=0.05 G2=0.1 G3-G5=0.25	PreN&N=0 G1=0.1 G2=0.2 G3-G4=1.0 G5=2.0	PreN & N=0 G1=0.1 G2=0.2 G3-G4 =1.0 G5=2.0	Not Stated	PreN&N=0 G1=0 G2=0.1 G3-G4 =0.25 G5=0.5	0	0
CO	X		Adequate Isolation	Clear demarcation	1st=G1 G1-G6 Total = 6	N-G6	Yes	Seed which meets or exceeds the Colorado Seed Potato Act (35-27.3 C.R.S.) and the Quarantine for Late Blight (8 CCR 1203-13).	None current growing season	2-3	1	Yes, all lots to be recertified or sold for seed.	G1=0 G2=0.05 G3-6=0.4	G1=0 G2=0.1 G3-6=1.5	Other virus: G1=0 G2=0.05 G3-6=0.5 Total allowed: G3-G=2.4	Not Stated	G1=0 G2=0.07 G3-6=0.25	0	0
ID		X	20'	6'	FY1 - FY7	FY1 - FY7	Yes	ID generation system or equiv. Equivalent source must have been winter tested. FY6 last gen. accepted for certification.	1 yr.	2	1	Yes for recertification and certification. Lab test required for PVY and BRR. WGO or lab tet for PLRV.	FY1,2=0 FY3=0.02 FY4=0.03 FY5=0.08 FY6,7=0.2	FY1,2=0 FY3=0.25 FY4=0.5 FY5=0.75 FY6,7=1.0	1.0 Total All virus, viroid, & phytoplasma except PVX	Not Stated	FY1,2=0 FY3=0.01 FY4=0.05 FY5=0.1 FY6,7=0.2	Inc. in 1% virus and virus-like disease tolerance	0
ME	X		Not Stated	1 blank row from nuclear	N=0 1st=FY1 FY1-FY5 Total=5	N=0 Foundation FY3, Certified FY4, FY5	F=Yes C=No	Tissue culture derived certified seed passing an acceptable winter test and meeting ME generation requirements.	3 years with some exceptions	3	1	Yes F=0.5% total virus C=5.0% total virus	N=0.1 FY1- FY2= FY3=0.25 All other generations =1.0	N=0.1 FY1-FY3=0.25 All other generations =2.0	BL:FY1=0.1 FY2=0.2 FY3=1.0 FY4-FY5=2.0	Not Stated	N=0 All other generations =0.25	0	0
MI	X		50'	5'	1st=Field Year FY1 - FY6 Total = 6	F = FY1-FY6 C = FY1-FY6	Yes	Seed which meets or exceeds MI FD requirements.	2 yr.	2	1	Yes, F=0.5% total virus, C=5% total virus	F = 0.25 C = 0.5	F = 0.25 C = 1.0	Total virus F = 0.25 C = 1.0	Reject if excessive	F = 0.1 C = 0.25	0	0
MN		X	1 row	markers	1st=G1 Total = 6	Primary, Foundation-Certified G1-G6	Yes	Tissue culture derived or approved Foundation from another state. Winter test required (grow-out or lab).	None	3,2 required	1	Required for certification. Winter tolerance is 0.5% total virus on all classes for recertification. Lots are not rejected from certification for virus based on PHT.	Prim. F=0.5 F=0.5 G1-G6=0.5	Prim. F=0.5 F=0.5 C=1.0 G1-G6=0.5	Not Stated	Reject if excessive	Prim F, G1-G3=0 F,G3=0.1 G4&G5=0.1 F2&G6=0.2	0	0
MT	X		20'	markers	1st=N Total =5	Pre-N, N-G4	Yes	Nuclear generation seed from previous generation MSU or MSU-approved meristem program.	2 yr.	3	1	Yes, but N and G1 can be exempt	N,G1=0 G2=0.05 G3=0.10 G4-G5=0.2	N,G1=0 G2=0.1 G3=0.2 G4-G5=0.5	N,G1=0 G2=0.2 G3=0.4 G4=1.0	Not Stated	N,G1=0 G2=0.05 G3=.01 G4-G5=0.5	0	0
ND	X		100'	strip or mark	1st=N Total =7	Foundation:N, G1-G5, Certified: G6 or equivalent, Experimental:N, G1-G5	Yes	Foundation or approved classification from another state; Post-harvest grow-out tested	2	3	1	Required for recertification. Virus tol. 0.5%	N=0 G1=0.1 G2=0.2 G3-G5=0.3 C=0.5	N=0 G1=0.1 G2=0.2 G3-G5=0.3 C=0.5	Not Stated	record % noted; excessive amount may cause rejection	N=0 G1=0.1 G2=0.2 G3-C=0.3	0	0
NE & WY		X	200'	marker	N-G5 Total=6	Foundation or certified: N-G5	No	Foundation or approved class of NE seed or from other state with equivalent requirements. Post harvest grow-out required.	Not stated	2-4	1	Required for recertification only	N=0.1 G1=0.2 G2=0.3 G3=0.4 G4=0.5 G5=0.6	N=0.1 G1=0.2 G2=0.3 G3=0.4 G4=0.5 G5=0.6	BL N=0 G1-G4=0.5 G5=3.00	N=0	N=0 G1=0.2 G2=0.3 G3=0.4 G4=0.5 G5=0.6	0	0
NY	X		200'	skip row	1st=N1 Total =8	N1-3 (Uihlein Farm) F = G1-G6 C = G1-G6	F=yes C=no	NY Certified or Foundation class or equivalent, G5 or higher.	F=2 yr. C=none current year	2	1	Yes F=0.5% total virus C=5.0% total virus	1.0	1.0	Other viruses 0.5	5.0	0.25	0.1	0
OR	X		300' G2, G3; 1 row G4,G5 if commercial insp. for BRR or grower's own certified source	skip row -different varieties; stake-same variety	1st=N Total = 6 Likely to change to FY system in 2020.	Pre-N, N, G1-G5; also have EXC-1-3 for special cases. Likely in 2020 GH=Nuclear, FY1-FY6 in field system.	No	Disease tested stocks meeting tolerance for limited generation class. Winter grow-out test required. ELISA PHT accepted only as 'special case'.	5 yr.	2	1	Required unless shipped w/in 90 days of harvest. Tolerance varies by class & variety type. Lots with < 750 lbs harvested seed exempt.	Pre-N, N=0 G1=0.05 G2=0.1 G3-G5=0.25	Pre-N, N=0 G1=0.1 G2=0.2 G3-G4=1.0 G5=2.0	Pre-N, N=0 G1=0.1 G2=0.2 G3-G4=1.0 G5=2.0	Not Determined	Pre-N, N=0 G1=0.01 G2=0.1 G3-G4=0.25 G5=0.5	0	0
PA	X		200'	blank row	Not Stated	F-G4	Yes	Foundation or certified seed with winter test F-G4	2 yr.	2	1	Yes	G1-2=0.25 G3=0.5 G4=2.0	G1-2=0.25 G3=0.5 G4=2.0	G1-2=0.5 G3=1.0 G4=3.0	Not Stated	G1-2=0 G3-G4=0.25 G4=1.0	G1, G2=0.25 G3=0.5 G4=1.0	0
UT	X		100' from lower generation	skip row	1st=N=G1 Total = 6	PreN-G6 N=G1 G4=F G5&6=C	No	Limited generation propagating materials from public and private agencies; seed from non-limited generations entered at equivalent generation level; G4=F	5 yr.	2	1	Required for recertification only	G1&2=0 G3=0.02 G4,F=0.05 G5,C=0.1 G6,C=0.25	G1&2=0 G3=0.05 G4,F=0.25 G5,C=0.5 G6,C=1.0	G1&2=0 G3=0.02 G4=0.1 G5=0.25 G6=0.5	Factor only when field inspection impossible - 10%	G1-3=0 G4,F=0.1 G5,C=0.15 G6,C=0.25	Not Stated	0

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	Only	Both								Field	Harvest		LR	MOS	Other	Fus/Vert	Var. Mix	Sp Tuber	BRR
WA	X		350'	6'	1st=N Total =6	PN-G5	Yes	Generation 4 or better, derived from virus-tested stocks.	3 yr.	2	1	Required for recertification and G1 lots	N=0, G1=0.1, G2=0.25, G3= 0.30 G4=0.5 G5=0.5	N=0, G1=0.1 G2=0.25, G3= 0.5 G4=0.75 G5=1.0	Nema: N-G5=0 BL: N=0 G1=0.1 G2=0.5 G3=1.0 G4,G5 =2.0	Not Stated	N-G1=0 G2=0.01 G3-5=0.25	0	0
WI	X		50'	skip row	1st=FY1, 2nd=FY2 etc. Total =7	F = FY1-FY6; Certified if downclassified but still meets C tolerances	Yes	Foundation class seed not exceeding FY6	Farm must be free 2 yr. before can sell foundation class	2	1	Yes. F=0.5% total virus C=5.0% total virus	FY1-FY6=0.25 C=1.0	FY1-FY6=0.25 C=1.0	Total LR+MOS F=0.25 C=2.0	Not Stated	0.1	0	0
Canada	X		Not stated	blank row; 10m of blank row at each end of the field to separate different class of the same variety	1st=PE Total =7	N/Nuclear G1/Pre-elite G2/Elite 1 G3/Elite 2 G4/Elite 3 G5/Elite 4  G6/Foundation G7/Certified	No, all fields listed on application requires the planting of F class or better	Originate from tissue culture material tested and found free of BRR, PSTVd and viruses. Must plant F or better	Free of potatoes including 2 yr. with no volunteers.	Minimum of 2	1	Not required by federal regulations, only by some provinces	Total all viruses G1/PE=0 G3/E2=0.1 G5/E4=0.3 G7/C=2	N=0 G2/E1=0 G4/E3=0.2 G6/F=0.5	Total blackleg and wilts G1/PE=0 G2/E1=0.1 G3/E2=0.2 G4/E3=0.3 G5/E4=0.5 G7/C=2	N=0 G3/E2=0.2 G6/F=1	Var. Mix. N=0 G1/PE=0 G2/E1=0 G3/E2=0 G4/E3=0.05 G5/E4=0.1 G6/F=0.2	0	0

(1) Number of years land must be out of seed production once BRR is detected.

NOTE: Information represents a synopsis of regulations and does not include exceptions and explanatory information. Verification of information should be pursued through the appropriate certifying authority.  
Abbreviations: Pre-N = Pre-nuclear, N = Nuclear, G = Generation (noted numerically, G1 follows N), F = Foundation, C = Certified, E = Elite, PE = Pre-Elite, FY = Field Year.

Prepared by the Certification Section, PAA