Table 1. Summary of important aspects of 20 potato diseases and defects

Disease or defect	*Sources of pathogen or disorder*			*Diagnosis and location on/in tuber*	*Spread within storage*[1]	*Remarks*
	Soil	*Seed*	*Other*			
Common scab	X	X	—	External, general	No	
Powdery scab	X	X	—	External, general	Yes	
Rhizoctonia	X	X	—	External, general, must wash	No	
Silver scurf	X	X	—	External, general, must wash	Yes	
Bacterial soft rot	X	X	X	External, general; internal, general	Yes	Other sources are from cull piles and irrigation water.
Blackleg	X	X	—	External, stem end; cut internal, stem end, and longitudinal	No	
Early blight	X	X	—	External, general; internal, make shallow cuts through lesions	Yes	
Freezing & chilling	—	—	X	External; cut internal, stem end and cross section	No	
Fusarium rot	X	X	—	External, general; internal, cut through lesions	No	
Late blight	—	X	X	External, general; internal, cut through lesions	Yes	Other sources include cull piles and volunteers.
Leak	X	—	—	External, general; internal, cut around wounds and stem end	No	
Mechanical injury	—	—	X	External, general; internal, cut through damaged area	No	
Pink rot	X	—	—	External, stem end, eyes, lenticels; cut internal, turns pink	Yes	
Ring rot	—	X	X	External skin cracks; cut internal, near stem end	No	Other sources of inoculum include volunteers, equipment, and containers.
Root knot	X	X	—	External, general; internal, cut tangential	No	
Blackheart	X	X	—	Cut internal, longitudinal	No	Caused by lack of oxygen under certain field conditions, in storage, and in transit.
Black spot	—	—	X	Cut internal, stem end half or on shoulder	No	Deep piles contribute to problem.
Fusarium wilt	X	X	—	Cut internal, through stem end, only in xylem	No	
Leafroll	—	X	X	Cut internal, cross section	No	Insect transmission from infected plants in cull piles and volunteers.
Verticillium wilt	X	X	—	Cut internal, extends through vascular ring	No	

[1]Refers to tuber-to-tuber spread. Some of the diseases and disorders will progress within affected tubers in storage, but will not spread to healthy tubers.