

Crop	Pathogen	Method	Code	Former Code	Class	NSHS Version	Date
Bean	Pseudomonas syringae pv. phaseolicola	Dilution and plating, followed by Pathogenicity Test (ISTA 7-023: ver 1.5)	Be 1.2		St	1.5	3/1/2024
	Pseudomonas syringae pv. syringae	Agar Plate Assay (Mohan and Schaad, 1987)	Be 2.1		TSt	1.0	12/2012
	Xanthomonas axonopodis pv. phaseoli	ISTA Method (7-021: ver 3.3)	Be 3.1		St	1.5	3/1/2024
	Curtobacterium flaccumfaciens pv. flaccumfaciens	Selective Media Assay	Be 4.3		TSt	1.3	9/2025
	Colletotrichum lindemuthianum	ISTA Method (7-006: ver 1.6)	Be 5.1		TSt	1.3	3/1/2024
Pea	Ascochyta pisi	ISTA Method (7-005: ver 1.5)	Pe 1.1		St	1.3	3/1/2024
	Pea Seedborne Mosaic Virus	ISTA Method (7-024: ver 1.5)	Pe 2.1		St	1.3	3/1/2024
	Pea Early Browning Virus	ISTA Method (7-024: ver 1.5)	Pe 3.1		St	1.3	3/1/2024
	Pseudomonas syringae pv pisi	ISTA Method (7-029: ver 1.3)	Pe 4.1		St	1.3	3/1/2024
Brassica	Xanthomonas campestris pv. campestris	ISTA Method (7-019a: ver 6.0; 7-019b: ver 1.3)	Br 1.1		St	1.3	1/1/2022
	Phoma lingam	Freeze Blotter (ISTA 7-004: ver 2.2)	Br 2.1		St	1.4	3/1/2024
Carrots	Xanthomonas hortorum pv. carotae	NSHS Method	Rb 1.1		St	2.1	2/19/2024
	Alternaria dauci	ISTA Method (7-001a: ver 1.6; 7-001b: ver 1.6)	Rb 2.1		St	1.3	3/1/2024

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	Alternaria dauci	Direct Plating/Blotter Method (Sunseeds)	Rb 2.2		St	1.0	2002
	Alternaria radicina	ISTA Method (7-002a: ver 1.5)	Rb 3.1		St	1.3	3/1/2024
Cucurbits	Acidovorax citrulli	Seedling grow-out	Cb 1.1		St	1.1	2017
	Acidovorax citrulli	CSPL PCR Assay	Cb 1.5		TSt	1.0	12/2012
	Acidovorax citrulli	ISHI Method (version 2.0, May 2021)	Cb 1.6		St	2.0	05/2021
	Didymella bryoniae	PCR (Ling et al., 2010)	Cb 2.1		TSt	1.0	12/2012
	Didymella bryoniae	Vegetables Blotter Assay	Cb 2.2		TSt	1.0	2001
	Cucumber green mottle mosaic virus	ISTA Method (7-026: ver 1.5)	Cb 3.1		TSt	1.3	3/1/2024
	Melon necrotic spot virus	ISTA Method (7-026: ver 1.5)	Cb 4.1		TSt	1.3	3/1/2024
	Squash mosaic virus (SMV)	ISTA Method (7-026: ver 1.5)	Cb 5.1		TSt	1.3	3/1/2024
	Fusarium oxysporum f.sp. niveum	Freeze Blotter (Syngenta)	Cb 6.1		TSt	1.0	11/2014
Celery	Septoria apiicola	Seed Wash (STA Laboratories)	Lcb 1.1		St	1.0	2001
	Phoma apiicola	Grow-out (Hewitt, 1971)	Lcb 2.1		TSt	1.0	2001
Spinach	Peronospora farinosa f.sp. spinaciae	Wash Test (Inaba et al., 1983)	Lcb 3.1		TSt	1.0	12/2012
	Peronospora farinosa f.sp. spinaciae	Wash Test (CDFA)	Lcb 3.2		TSt	1.0	12/2012

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	Verticillium dahliae	Freeze Blotter, ISTA Method (7-032: ver 1.3)	Lcb 4.1		St	1.3	3/1/2024
	Verticillium dahliae	NP-10 Agar, ISTA Method (7-032: ver 1.3)	Lcb 4.2		St	1.3	3/1/2024
	Cucumber mosaic virus	Seedling grow-out and ELISA (Yang et al., 1997)	Lcb 5.1		St	1.0	12/2012
	Stemphylium botryosum f. sp. spinacia	Freeze Blotter (Hernandez-Perez and du Toit, 2016)	Lcb 6.1		St	1.0	12/2012
Coriander	Pseudomonas syringae pv. coriandricola	Selective Media Test (STA Laboratories)	Lcb 7.1		St	1.0	2001
Lettuce	Lettuce mosaic virus	Chenopodium Assay (Kimble et al., 1975)	Lcb 8.1	Cv 1.1	St	1.0	2001
	Lettuce mosaic virus	ISHI-Vegetables Method (version 4.3, July 2017)	Lcb 8.2	Cv 1.2	St	1.1	6/04/2021
Corn Salad	Acidovorax valerianellae	ISTA Method (7-030: ver 1.3)	Lcb 9.1		St	1.2	3/1/2024
Solanaceae (Tomato/Pepper)	Xanthomonas spp.	ISHI-Vegetables Method (pepper, version 5, 2013)	So 1.1		TSt	1.2	05/2022
	Xanthomonas spp.	ISHI-Vegetables Method (tomato, version 4, 2011)	So 1.2		TSt	1.2	05/2022

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	Clavibacter michiganensis ssp. michiganensis	ISHI-Vegetables Method (version 4.3.1, 2017)	So 2.1		St	1.1	07/2021
	Pseudomonas syringae pv. tomato	CDFA Method	So 3.1		St	1.0	2001
	Pepino Mosaic Virus	ISHI Method (version 5 2021)	So 4.1		TSt	2.0	05/2021
	Tobamoviruses (TMV, ToMV, PMMoV)	ISTA Method (7-028: ver 1.4)-Tomato; ISF Jan 2007-Pepper	So 5.1		TSt	1.4	3/1/2024
	Pospiviroids (CLVd, PCFVd, PSTVd, TASVd, TCDVd and TPMVd)	TaqMan RT-PCR Method, National Seed Health System (NSHS)	So 6.1		St	1.4	03/2024
	Tomato Brown Rugose (ToBRFV)	TaqMan RT-PCR Method, National Seed Health System (NSHS)	So 7.1		St	2.2	02/2024
	Tomato Mottle Mosaic Virus (ToMMV)	TaqMan RT-PCR Method, National Seed Health System (NSHS)	So 8.1		St	1.0	09/2025
Onion	Alternaria porri	Agar Plate Method (Aveling et al., 1993)	On 1.1		TSt	1.0	12/2013
	Stemphylium vesicarium	S. vesicarium	On 2.1		TSt	1.0	12/2013
Maize	Stenocarpella maydis	Culture plate (ISU)	Mz 1.1	Cf 1.1	St	1.0	2001

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	Cochliobolus carbonum	ISU Freezing Blotter Method (McGee, 1994)	Mz 2.1	Cf 2.1	St	1.0	2001
	Cochliobolus heterostrophus	ISU Freezing Blotter Method (McGee, 1994)	Mz 3.1	Cf 3.1	St	1.0	2001
	Ustilago maydis/Sphacelotheca reiliana	Wash Test (McGee, 1988)	Mz 4.1	Cf 4.1	St	1.0	2001
	Sclerophthora macrospora	Direct Visual method (CIMMYT)	Mz 5.1	Cf 5.1	St	1.0	2001
	Peronosclerospora sorghi	Grow-out (Adenle and Cardwell, 2000)	Mz 6.1	Cf 6.1	St	1.0	2001
	Fusarium	Blotter (Singh et al., 1974)	Mz 7.1	Cf 8.2	St	1.0	2001
	Penicillium oxalicum	Blotter test (Handoo and Aulakh, 1979)	Mz 8.1	Cf 9.1	St	1.0	2001
	Clavibacter michiganensis ssp. nebraskensis	sCNS Culture Plate Method (Shepherd, 1999)	Mz 9.1	Cb 1.1	St	1.0	2001
	Pantoea stewartii	ELISA (Lamka et al., 1991)	Mz 10.1	Cb 2.1	St	2.2	03/2025
	Maize Dwarf Mosaic Virus	ELISA (Iowa State University/Agdia Inc kit)	Mz 11.1	Cb 3.1	TSt	1.2	10/2020
	Maize Chlorotic Mottle Virus	ELISA	Mz 12.1	Cb 4.1	TSt	1.2	10/2020
	Cercospora zeae-maydis	Culture Plate	Mz 13.1	Cf 10.1	RNS P	1.0	2001
	Kabatiella zeae	Culture Plate	Mz 14.1	Cf 11.1	RNS P	1.0	2001
	Phyllosticta maydis	Culture Plate	Mz 15.1	Cf 12.1	RNS P	1.0	2001

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Soybean	Cercospora kikuchii	Culture Plate (Jordan et al., 1986)	Sb 1.1	Sf 1.1	St	1.0	2001
	Cercospora kikuchii	Blotter (McGee and Nyvall, 1984)	Sb 1.2	Sf 1.2	St	1.0	2001
	Phomopsis/Diaporth e spp.	Culture plate (McGee, 1986)	Sb 2.1	Sf 2.1	St	1.0	2001
	Phomopsis/Diaporth e spp.	Blotter (McGee and Nyvall, 1984)	Sb 2.2	Sf 2.2	St	1.0	2001
	Sclerotinia sclerotiorum	Culture plate (Totir, 2000)	Sb 3.1	Sf 3.1	St	1.0	2001
	Pseudomonas syringae pv. glycinea	Soaked bulk seed – Biochemical confirmation	Sb 4.1	Sb 2.1	St	1.1	2022
	Pseudomonas syringae pv. glycinea	Ground bulk seed – Serological and pathogenicity	Sb 4.2	Sb 2.2	St	1.1	2022
	Tobacco Ringspot Virus	ELISA (Iowa State University/Agdi a Inc kit)	Sb 5.1	Sv 1.1	TSt	1.2	10/2020
	Tomato Ringspot Virus	ELISA (Iowa State University/Agdi a Inc kit)	Sb 6.1	Sv 2.1	TSt	1.2	10/2020
	Soybean Mosaic Virus	ELISA (Iowa State University/Agdi a Inc kit)	Sb 7.1	Sv 3.1	TSt	1.2	10/2020
	Bean Pod Mottle Virus	ELISA (Iowa State University/Agdi a Inc kit)	Sb 8.1	Sv 4.1	TSt	1.2	10/2020