

Crop	Pathogen	Method	Code	Former Code	Class	NSHS Version	Date
Bean	<a href="#">Pseudomonas syringae pv. phaseolicola</a>	<a href="#">Dilution and plating, followed by Pathogenicity Test (ISTA 7-023: ver 1.5)</a>	Be 1.2		St	1.5	3/1/2024
	<a href="#">Pseudomonas syringae pv. syringae</a>	<a href="#">Agar Plate Assay (Mohan and Schaad, 1987)</a>	Be 2.1		TSt	1.0	12/2012
	<a href="#">Xanthomonas axonopodis pv. phaseoli</a>	<a href="#">ISTA Method (7-021: ver 3.3)</a>	Be 3.1		St	1.5	3/1/2024
	<a href="#">Curtobacterium flaccumfaciens pv. flaccumfaciens</a>	<a href="#">PCR Assay (Tegli et. al., 2002)</a>	Be 4.1		TSt	1.0	12/2012
	<a href="#">Curtobacterium flaccumfaciens pv. flaccumfaciens</a>	<a href="#">Selective Media Assay (Maringoni et al., 2006)</a>	Be 4.2		TSt	1.0	12/2012
	<a href="#">Curtobacterium flaccumfaciens pv. flaccumfaciens</a>	<a href="#">Selective Media Assay (Univ. of Idaho)</a>	Be 4.3		TSt	1.0	12/2012
	<a href="#">Colletotrichum lindemuthianum</a>	<a href="#">ISTA Method (7-006: ver 1.6)</a>	Be 5.1		TSt	1.3	3/1/2024
Pea	<a href="#">Ascochyta pisi</a>	<a href="#">ISTA Method (7-005: ver 1.5)</a>	Pe 1.1		St	1.3	3/1/2024
	<a href="#">Pea Seedborne Mosaic Virus</a>	<a href="#">ISTA Method (7-024: ver 1.5)</a>	Pe 2.1		St	1.3	3/1/2024
	<a href="#">Pea Early Browning Virus</a>	<a href="#">ISTA Method (7-024: ver 1.5)</a>	Pe 3.1		St	1.3	3/1/2024
	<a href="#">Pseudomonas syringae pv pisi</a>	<a href="#">ISTA Method (7-029: ver 1.3)</a>	Pe 4.1		St	1.3	3/1/2024
Brassica	<a href="#">Xanthomonas campestris pv. campestris</a>	<a href="#">ISTA Method (7-019a: ver 6.0; 7-019b: ver 1.3)</a>	Br 1.1		St	1.3	1/1/2022
	<a href="#">Phoma lingam</a>	<a href="#">Freeze Blotter (ISTA 7-004: ver 2.2)</a>	Br 2.1		St	1.4	3/1/2024
Carrots	<a href="#">Xanthomonas hortorum pv. carotae</a>	<a href="#">NSHS Method</a>	Rb 1.1		St	2.0	2/19/2024

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	<a href="#">Alternaria dauci</a>	<a href="#">ISTA Method (7-001a: ver 1.6; 7-001b: ver 1.6)</a>	Rb 2.1		St	1.3	3/1/2024
	<a href="#">Alternaria dauci</a>	<a href="#">Direct Plating/Blotter Method (Sunseeds)</a>	Rb 2.2		St	1.0	2002
	<a href="#">Alternaria radicina</a>	<a href="#">ISTA Method (7-002a: ver 1.5)</a>	Rb 3.1		St	1.3	3/1/2024
<b>Cucurbits</b>	<a href="#">Acidovorax citrulli</a>	<a href="#">Seedling grow-out</a>	Cb 1.1		St	1.1	2017
	<a href="#">Acidovorax citrulli</a>	<a href="#">CSPL PCR Assay</a>	Cb 1.5		TSt	1.0	12/2012
	<a href="#">Acidovorax citrulli</a>	<a href="#">ISHI Method (version 2.0, May 2021)</a>	Cb 1.6		St	2.0	05/2021
	<a href="#">Didymella bryoniae</a>	<a href="#">PCR (Ling et al., 2010)</a>	Cb 2.1		TSt	1.0	12/2012
	<a href="#">Didymella bryoniae</a>	<a href="#">Vegetables Blotter Assay</a>	Cb 2.2		TSt	1.0	2001
	<a href="#">Cucumber green mottle mosaic virus</a>	<a href="#">ISTA Method (7-026: ver 1.5)</a>	Cb 3.1		TSt	1.3	3/1/2024
	<a href="#">Melon necrotic spot virus</a>	<a href="#">ISTA Method (7-026: ver 1.5)</a>	Cb 4.1		TSt	1.3	3/1/2024
	<a href="#">Squash mosaic virus (SMV)</a>	<a href="#">ISTA Method (7-026: ver 1.5)</a>	Cb 5.1		TSt	1.3	3/1/2024
	<a href="#">Fusarium oxysporum f.sp. niveum</a>	<a href="#">Freeze Blotter (Syngenta)</a>	Cb 6.1		TSt	1.0	11/2014
<b>Celery</b>	<a href="#">Septoria apiicola</a>	<a href="#">Seed Wash (STA Laboratories)</a>	Lcb 1.1		St	1.0	2001
	<a href="#">Phoma apiicola</a>	<a href="#">Grow-out (Hewitt, 1971)</a>	Lcb 2.1		TSt	1.0	2001
<b>Spinach</b>	<a href="#">Peronospora farinosa f.sp. spinaciae</a>	<a href="#">Wash Test (Inaba et al., 1983)</a>	Lcb 3.1		TSt	1.0	12/2012
	<a href="#">Peronospora farinosa f.sp. spinaciae</a>	<a href="#">Wash Test (CDFA)</a>	Lcb 3.2		TSt	1.0	12/2012

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	<a href="#">Verticillium dahliae</a>	<a href="#">Freeze Blotter, ISTA Method (7-032: ver 1.3)</a>	Lcb 4.1		St	1.3	3/1/2024
	<a href="#">Verticillium dahliae</a>	<a href="#">NP-10 Agar, ISTA Method (7-032: ver 1.3)</a>	Lcb 4.2		St	1.3	3/1/2024
	<a href="#">Cucumber mosaic virus</a>	<a href="#">Seedling grow-out and ELISA (Yang et al., 1997)</a>	Lcb 5.1		St	1.0	12/2012
	<a href="#">Stemphylium botryosum f. sp. spinacia</a>	<a href="#">Freeze Blotter (Hernandez-Perez and du Toit, 2016)</a>	Lcb 6.1		St	1.0	12/2012
<b>Coriander</b>	<a href="#">Pseudomonas syringae pv. coriandricola</a>	<a href="#">Selective Media Test (STA Laboratories)</a>	Lcb 7.1		St	1.0	2001
<b>Lettuce</b>	<a href="#">Lettuce mosaic virus</a>	<a href="#">Chenopodium Assay (Kimble et al., 1975)</a>	Lcb 8.1	Cv 1.1	St	1.0	2001
	<a href="#">Lettuce mosaic virus</a>	<a href="#">ISHI-Vegetables Method (version 4.3, July 2017)</a>	Lcb 8.2	Cv 1.2	St	1.1	6/04/2021
<b>Corn Salad</b>	<a href="#">Acidovorax valerianellae</a>	<a href="#">ISTA Method ( 7-030: ver 1.3)</a>	Lcb 9.1		St	1.2	3/1/2024
<b>Solanaceae (Tomato/Pepper)</b>	<a href="#">Xanthomonas spp.</a>	<a href="#">ISHI-Vegetables Method (pepper, version 5, 2013)</a>	So 1.1		TSt	1.2	05/2022
	<a href="#">Xanthomonas spp.</a>	<a href="#">ISHI-Vegetables Method (tomato, version 4, 2011)</a>	So 1.2		TSt	1.2	05/2022
	<a href="#">Clavibacter michiganensis ssp. michiganensis</a>	<a href="#">ISHI-Vegetables Method (version 4.3.1, 2017)</a>	So 2.1		St	1.1	07/2021
	<a href="#">Pseudomonas syringae pv. tomato</a>	<a href="#">CDFA Method</a>	So 3.1		St	1.0	2001
	<a href="#">Pepino Mosaic Virus</a>	<a href="#">ISHI Method (version 5 2021)</a>	So 4.1		TSt	2.0	05/2021
	<a href="#">Tobamoviruses (TMV, ToMV, PMMoV)</a>	<a href="#">ISTA Method (7-028: ver 1.4)-Tomato; ISF Jan 2007-Pepper</a>	So 5.1		TSt	1.4	3/1/2024
	<a href="#">Pospiviroids (CLVd, PCFVd, PSTVd, TASVd, TCDVd and TPMVd)</a>	<a href="#">TaqMan RT-PCR Method, National Seed Health System (NSHS)</a>	So 6.1		St	1.4	03/2024

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	<a href="#">Tomato Brown Rugose (ToBRFV)</a>	<a href="#">TaqMan RT-PCR Method, National Seed Health System (NSHS)</a>	So 7.1		St	2.2	02/2024
<b>Onion</b>	<a href="#">Alternaria porri</a>	<a href="#">Agar Plate Method (Aveling et al., 1993)</a>	On 1.1		TSt	1.0	12/2013
	<a href="#">Stemphylium vesicarium</a>	<a href="#">S. vesicarium</a>	On 2.1		TSt	1.0	12/2013
<b>Maize</b>	<a href="#">Stenocarpella maydis</a>	<a href="#">Culture plate (ISU)</a>	Mz 1.1	Cf 1.1	St	1.0	2001
	<a href="#">Cochliobolus carbonum</a>	<a href="#">ISU Freezing Blotter Method (McGee, 1994)</a>	Mz 2.1	Cf 2.1	St	1.0	2001
	<a href="#">Cochliobolus heterostrophus</a>	<a href="#">ISU Freezing Blotter Method (McGee, 1994)</a>	Mz 3.1	Cf 3.1	St	1.0	2001
	<a href="#">Ustilago maydis/Sphacelotheca reiliana</a>	<a href="#">Wash Test (McGee, 1988)</a>	Mz 4.1	Cf 4.1	St	1.0	2001
	<a href="#">Sclerophthora macrospora</a>	<a href="#">Direct Visual method (CIMMYT)</a>	Mz 5.1	Cf 5.1	St	1.0	2001
	<a href="#">Peronosclerospora sorghi</a>	<a href="#">Grow-out (Adenle and Cardwell, 2000)</a>	Mz 6.1	Cf 6.1	St	1.0	2001
	<a href="#">Fusarium</a>	<a href="#">Blotter (Singh et al., 1974)</a>	Mz 7.1	Cf 8.2	St	1.0	2001
	<a href="#">Penicillium oxalicum</a>	<a href="#">Blotter test (Handoo and Aulakh, 1979)</a>	Mz 8.1	Cf 9.1	St	1.0	2001
	<a href="#">Clavibacter michiganensis ssp. nebraskensis</a>	<a href="#">sCNS Culture Plate Method (Shepherd, 1999)</a>	Mz 9.1	Cb 1.1	St	1.0	2001
	<a href="#">Pantoea stewartii</a>	<a href="#">ELISA (Lamka et al., 1991)</a>	Mz 10.1	Cb 2.1	St	2.1	02/2024
	<a href="#">Maize Dwarf Mosaic Virus</a>	<a href="#">ELISA (Iowa State University/Agdia Inc kit)</a>	Mz 11.1	Cb 3.1	TSt	1.2	10/2020
	<a href="#">Maize Chlorotic Mottle Virus</a>	<a href="#">ELISA</a>	Mz 12.1	Cb 4.1	TSt	1.2	10/2020

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	<a href="#">Cercospora zeae-maydis</a>	<a href="#">Culture Plate</a>	Mz 13.1	Cf 10.1	RNSP	1.0	2001
	<a href="#">Kabatiella zeae</a>	<a href="#">Culture Plate</a>	Mz 14.1	Cf 11.1	RNSP	1.0	2001
	<a href="#">Phyllosticta maydis</a>	<a href="#">Culture Plate</a>	Mz 15.1	Cf 12.1	RNSP	1.0	2001
<b>Soybean</b>	<a href="#">Cercospora kikuchii</a>	<a href="#">Culture Plate (Jordan et al., 1986)</a>	Sb 1.1	Sf 1.1	St	1.0	2001
	<a href="#">Cercospora kikuchii</a>	<a href="#">Blotter (McGee and Nyvall, 1984)</a>	Sb 1.2	Sf 1.2	St	1.0	2001
	<a href="#">Phomopsis/Diaporthe spp.</a>	<a href="#">Culture plate (McGee, 1986)</a>	Sb 2.1	Sf 2.1	St	1.0	2001
	<a href="#">Phomopsis/Diaporthe spp.</a>	<a href="#">Blotter (McGee and Nyvall, 1984)</a>	Sb 2.2	Sf 2.2	St	1.0	2001
	<a href="#">Sclerotinia sclerotiorum</a>	<a href="#">Culture plate (Totir, 2000)</a>	Sb 3.1	Sf 3.1	St	1.0	2001
	<a href="#">Pseudomonas syringae pv. glycinea</a>	<a href="#">Soaked bulk seed – Biochemical confirmation</a>	Sb 4.1	Sb 2.1	St	1.1	2022
	<a href="#">Pseudomonas syringae pv. glycinea</a>	<a href="#">Ground bulk seed – Serological and pathogenicity</a>	Sb 4.2	Sb 2.2	St	1.1	2022
	<a href="#">Tobacco Ringspot Virus</a>	<a href="#">ELISA (Iowa State University/Agdia Inc kit)</a>	Sb 5.1	Sv 1.1	TSt	1.2	10/2020
	<a href="#">Tomato Ringspot Virus</a>	<a href="#">ELISA (Iowa State University/Agdia Inc kit)</a>	Sb 6.1	Sv 2.1	TSt	1.2	10/2020
	<a href="#">Soybean Mosaic Virus</a>	<a href="#">ELISA (Iowa State University/Agdia Inc kit)</a>	Sb 7.1	Sv 3.1	TSt	1.2	10/2020
	<a href="#">Bean Pod Mottle Virus</a>	<a href="#">ELISA (Iowa State University/Agdia Inc kit)</a>	Sb 8.1	Sv 4.1	TSt	1.2	10/2020