Periodic Report of the NDSU Plant Diagnostic Lab – June 10-July 1, 2009

About 122 samples were processed in the past three weeks, and 48 of these were from county extension offices. The table below summarizes the routine diagnoses for the period June 10 through July 1, 2009 (research, phytosanitary, negative survey data, and seed health samples are not included):

State-County	Host	Diagnosis and Confidence Level
MN-Clay	Plant ID request	Common chickweed (*Stellaria media*) - confirmed
MN-Clay	Sugar Beet (*Beta vulgaris altissima*)	Nutrient Imbalance - suspected
MN-Clay	Sugar Beet (*Beta vulgaris altissima*)	Rhizoctonia Root Rot (*Rhizoctonia solani*) - confirmed
MN-Clay	Sugar Beet (*Beta vulgaris altissima*)	Rhizoctonia Root Rot (*Rhizoctonia solani*) - confirmed
MN-Clay	Sugar Beet (*Beta vulgaris altissima*)	Rhizoctonia Root Rot (*Rhizoctonia solani*) - confirmed
MN-Polk	Raspberry (*Rubus* sp.)	Iron Deficiency - suspected
MN-Todd	Hosta (*Hosta* sp.)	Hosta Virus X (HVX) - confirmed
MN-Traverse	Spring Wheat (*Triticum aestivum*)	Unknown Abiotic Disorder - suspected
ND-Bowman	Durum Wheat (*Triticum turgidum*)	Wheat Streak Mosaic Virus (WSMV) - confirmed
ND-Bowman	Silver Maple (*Acer saccharinum*)	Growth Regulator Effect - suspected
ND-Bowman	Spring Wheat (*Triticum aestivum*)	Unidentified Insect
ND-Burleigh	Blue Spruce (*Picea pungens*)	Eriophyid Mites - confirmed
ND-Burleigh	Blue Spruce (*Picea pungens*)	Stigmina Needle Blight (*Stigmina lautii*) - confirmed
ND-Burleigh	Blue Spruce (*Picea pungens*)	Unknown Abiotic Disorder - suspected
ND-Burleigh	Blue Spruce (*Picea pungens*)	Unknown Abiotic Disorder - suspected
ND-Cass	American Cranberry bush (*Viburnum trilobum*)	Eriophyid Mites - confirmed
ND-Cass	American Cranberry bush (*Viburnum trilobum*)	Eriophyid Mites - confirmed
ND-Cass	Engelmann Ivy (*Parthenocissus quinquefolia*)	Scab (*Sphaceloma* sp./spp.) - suspected
ND-Cass	Green Ash (*Fraxinus pennsylvanica lanceolata*)	Ash Anthracnose (*Gnomoniella fraxini*) - suspected
ND-Cass	Maple (*Acer* sp./spp.)	Maple Anthracnose (*Aureobasidium apocryptum*) - suspected
ND-Cass	Plum (*Prunus* sp.)	Environmental Stress - suspected
ND-Cass	Sugar Beet (*Beta vulgaris altissima*)	Rhizoctonia Root Rot (*Rhizoctonia solani*) - confirmed
ND-Dickey	Winter Wheat (*Triticum aestivum*)	Triticum Mosaic Virus (TriMV) - pending confirmation
ND-Golden Valley	Durum Wheat (*Triticum turgidum*)	Triticum Mosaic Virus (TriMV) - pending confirmation
ND-Golden Valley	Juniper (*Juniperus* spp.)	Environmental Stress - suspected
ND-Grand Forks	Winter Wheat (*Triticum aestivum*)	Triticum Mosaic Virus (TriMV) - pending confirmation
ND-Kidder	Blue Spruce (*Picea pungens*)	Pine Needle Scale (*Chionaspis pinifoliae*) - confirmed
ND-Kidder	Winter Wheat (*Triticum aestivum*)	Triticum Mosaic Virus (TriMV) - pending confirmation
ND-LaMoure	Winter Wheat (*Triticum aestivum*)	High Plains Virus (HPV) - confirmed

ND-LaMoure	Winter Wheat (*Triticum aestivum*)	Triticum Mosaic Virus (TriMV) - pending confirmation
ND-Mchenry	Blue Spruce (*Picea pungens*)	Rhizosphaera Needle Cast (*Rhizosphaera kalkhoffii*) - confirmed
ND-Mchenry	Blue Spruce (*Picea pungens*)	Spider Mite Injury - suspected
ND-Mchenry	Canola (*Brassica napus* var. *napus*)	Unknown
ND-Morton	Juniper (*Juniperus* spp.)	Unknown Abiotic Disorder - suspected
ND-Morton	Quaking Aspen (*Populus tremuloides*)	Unknown Abiotic Disorder - suspected
ND-Mountrail	Spring Wheat (*Triticum aestivum*)	Wheat Streak Mosaic Virus (WSMV) - confirmed
ND-Mountrail	Spring Wheat (*Triticum aestivum*)	Wheat Streak Mosaic Virus (WSMV) - confirmed
ND-Richland	Sugar Beet (*Beta vulgaris altissima*)	Aphanomyces root rot (*Aphanomyces cochlioides*) - confirmed
ND-Richland	Sugar Beet (*Beta vulgaris altissima*)	Fusarium Root Rot (*Fusarium* sp./spp.) - confirmed
ND-Richland	Sugar Beet (*Beta vulgaris altissima*)	Rhizoctonia Root Rot (*Rhizoctonia solani*) - confirmed
ND-Richland	Sugar Beet (*Beta vulgaris altissima*)	Rhizoctonia Root Rot (*Rhizoctonia solani*) - confirmed
ND-Sheridan	Blue Spruce (*Picea pungens*)	Environmental Stress - suspected
ND-Sheridan	Spring Wheat (*Triticum aestivum*)	Nitrogen Deficiency - suspected
ND-Sheridan	Spring Wheat (*Triticum aestivum*)	Nitrogen Deficiency - suspected
ND-Sheridan	Spring Wheat (*Triticum aestivum*)	Triticum Mosaic Virus (TriMV) - pending confirmation
ND-Towner	Plant ID request	Houndstongue (*Cynoglossum officinale*) - suspected
ND-Traill	Apple (*Malus domestica*)	Apple Black Rot (*Physalospora obtusa*) - suspected
ND-Traill	Apple (*Malus domestica*)	Branch Girdling- suspected
ND-Walsh	Bur Oak (*Quercus macrocarpa*)	Oak Anthracnose (Apiognomonia errabunda) - suspected
ND-Walsh	Ponderosa Pine (*Pinus ponderosa*)	Mechanical Damage - suspected
ND-Ward	Rose (*Rosa* spp.)	Glyphosate Injury - suspected
ND-Ward	Rose (*Rosa* spp.)	Glyphosate Injury - suspected
ND-Ward	Rose (*Rosa* spp.)	Phytoplasma - suspected
ND-Ward	Rose (*Rosa* spp.)	Phytoplasma - suspected
ND-Wells	Spruce (*Picea* spp.)	Environmental Stress - suspected
SD-Dewey	Potato (*Solanum tuberosum*)	Growth Regulator Effect - suspected