

MP-110-03

UNIVERSITY  
OF WYOMING

**University of Wyoming Cooperative Extension Service  
Plant Pathology Laboratory Report**

**Plant Sample Submissions and Diagnostics for**

**2002**



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**January 2003**

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## **Preface: How to use this report**

This University of Wyoming Cooperative Extension Service Plant Pathology Report was produced with two objectives in mind.

- It provides a detailed report on the numbers and types of samples that were received and processed through the Extension Plant Pathology Lab (EPPL) since its inception in 1991 (Table 1) and also includes expanded information on samples received during 2002 (Tables 2-10).
- This report is a reference for people who need to know what diseases have been identified and reported in their particular Wyoming county. There are ten tables in this document, which are generally sorted by type of host plant and then grouped by State or Wyoming county. This will facilitate selection of the data set that best suits individual needs.

## **University of Wyoming Cooperative Extension Service Plant Pathology Laboratory Report**

### **Plant Sample Submissions and Diagnostics for 2002**

The University of Wyoming Cooperative Extension Service Plant Pathology Laboratory (EPPL) extends from the university campus to the field, and represents UW's Extension Plant Pathology Program. Although considerable educational effort is focused on field research, demonstration plots, disease recognition, a significant portion of the EPPL programming effort is directed towards a fee-based diagnostic service for plant samples submitted to the EPPL.

Samples for Wyoming clients are submitted by Cooperative Extension Service educators, master gardeners, growers, landscape professionals, and crop advisors. Organizations such as the Wyoming Seed Certification Service and the Potato Certification Association of Nebraska also submit samples to our lab. Once diagnosis of the sample is completed, the client or agent is given written notification of our findings, which may be appended with additional publications and other information providing practical and sample-specific, disease management recommendations.

Plant samples also are submitted from surrounding states by university employees, producers, and crop advisors for diagnosis and/or assistance with recommendations for disease control. In addition, the EPPL recently started receiving digital images (indicated by a "d" following the sample number) in lieu of plant samples. Digital photographs are useful tools for keying in on certain plant problems. The use of digital images promotes regionalization of diagnostic efforts among neighboring states.

Samples are also submitted in support of various pest surveys as part of the extension programming effort. For example, a survey is being conducted in Wyoming and three neighboring states to determine the efficacy of various fungicides for *Cercospora beticola*, the causal agent of Cercospora leaf spot of sugar beet. The survey includes infected sugar beet leaf tissue recovered from growers' fields in Colorado, Montana, Nebraska, and Wyoming. Diagnostic results are being used to limit the use of ineffective products. Survey samples submitted during 2002 are listed as numbers 2002.115 to 2002.148.

This report summarizes statistics of the 148 samples and related diagnostics for 2002. Various statistics for prior years (1991 through 2000) are summarized in Table 1 and are available at the University of Wyoming Cooperative Extension web site or the UW bulletin room (see publication #B-1111 and MP-110-02).

For additional information on the Cooperative Extension plant pathology program, contact Gary Franc at (307) 766-2397 ([francq@uwyo.edu](mailto:francq@uwyo.edu)) or the *Department of Plant Sciences* office at (307) 766-3103.

**Table 1. Extension Plant Pathology Lab**  
**Total number of samples submitted from 1991-2002**

The total number of samples recorded over the period of 1991 to 2002 was 3,044. A total of 148 samples were submitted in 2002. This table has been updated to include previously unrecorded samples for 1994, which were not included in prior publications B-1111 and MP-100-02.

(Note: Sample types are denoted by letters where: F = field crops; S = trees and shrubs; G = home garden and house plants; T = turf; H = commercial horticulture; O = non-plant samples and plant identification; R = research samples; P = pest survey samples)

LOCATION COUNTY/STATE	YEAR	No. OF SAMPLES	TYPE OF SAMPLE							
			F	S	G	T	H	O	R	P
<b>SAMPLE TOTALS 1991-2002</b>	1991	533	58	340	96	28	0	11	0	0
	1992	315	104	129	50	16	0	8	2	6
	1993	249	162	56	18	2	0	7	4	0
	1994	119	34	24	11	41	0	3	6	0
	1995	102	21	51	19	5	0	0	6	0
	1996	215	19	26	12	2	4	0	1	151
	1997	193	77	50	10	9	4	4	2	37
	1998	205	36	82	18	7	12	0	11	39
	1999	236	22	63	10	11	3	3	12	112
	2000	319	23	71	16	11	5	9	7	177
	2001	410	11	91	15	11	5	7	0	270
	2002	148	10	60	19	12	0	9	4	34
	<b>TOTAL</b>	<b>3,044</b>	<b>577</b>	<b>1,043</b>	<b>294</b>	<b>155</b>	<b>33</b>	<b>61</b>	<b>55</b>	<b>826</b>
<b>ALBANY COUNTY</b>	1991	69	2	54	9	4	0	0	0	0
	1992	30	3	17	7	1	0	0	2	0
	1993	16	0	9	5	0	0	0	2	0
	1994	11	0	2	1	8	0	0	0	0
	1995	14	0	9	4	0	0	0	1	0
	1996	7	0	4	3	0	0	0	0	0
	1997	22	0	16	5	0	0	0	1	0
	1998	40	1	26	7	1	0	0	5	0
	1999	22	0	16	4	0	0	0	2	0
	2000	10	0	8	0	0	0	2	0	0
	2001	8	0	4	2	2	0	0	0	0
	2002	8	0	6	1	0	0	0	1	0
	<b>TOTAL</b>	<b>257</b>	<b>6</b>	<b>171</b>	<b>48</b>	<b>16</b>	<b>0</b>	<b>2</b>	<b>14</b>	<b>0</b>

LOCATION COUNTY/STATE	YEAR	No. OF SAMPLES	TYPE OF SAMPLE							
			F	S	G	T	H	O	R	P
<b>BIG HORN COUNTY</b>	1991	10	0	6	3	1	0	0	0	0
	1992	12	2	5	1	2	0	2	0	0
	1993	2	0	2	0	0	0	0	0	0
	1994	5	1	0	3	1	0	0	0	0
	1995	3	0	1	1	1	0	0	0	0
	1996	18	3	0	0	0	3	0	0	12
	1997	3	0	0	0	0	3	0	0	0
	1998	10	0	1	1	0	7	0	0	1
	1999	9	2	3	0	2	2	0	0	0
	2000	2	2	0	0	0	0	0	0	0
	2001	1	0	1	0	0	0	0	0	0
	2002	3	0	2	0	0	0	1	0	0
	<b>TOTAL</b>	<b>78</b>	<b>10</b>	<b>21</b>	<b>9</b>	<b>7</b>	<b>15</b>	<b>3</b>	<b>0</b>	<b>13</b>
<b>CAMPBELL COUNTY</b>	1991	26	0	18	6	2	0	0	0	0
	1992	13	0	9	3	1	0	0	0	0
	1993	0	0	0	0	0	0	0	0	0
	1994	1	0	1	0	0	0	0	0	0
	1995	2	1	1	0	0	0	0	0	0
	1996	31	0	0	0	0	0	0	0	31
	1997	12	0	6	1	1	0	1	0	3
	1998	13	0	10	1	0	0	0	0	2
	1999	15	0	13	0	2	0	0	0	0
	2000	23	0	16	4	3	0	0	0	0
	2001	33	0	24	2	4	0	3	0	0
	2002	16	0	8	4	2	0	2	0	0
	<b>TOTAL</b>	<b>185</b>	<b>1</b>	<b>106</b>	<b>21</b>	<b>15</b>	<b>0</b>	<b>6</b>	<b>0</b>	<b>36</b>
<b>CARBON COUNTY</b>	1991	19	1	15	3	0	0	0	0	0
	1992	3	0	2	1	0	0	0	0	0
	1993	4	0	4	0	0	0	0	0	0
	1994	5	1	2	0	2	0	0	0	0
	1995	11	5	5	1	0	0	0	0	0
	1996	2	0	1	0	0	0	0	0	1
	1997	3	0	2	0	0	0	0	0	1
	1998	2	0	1	0	0	0	0	0	1
	1999	3	0	3	0	0	0	0	0	0
	2000	2	0	2	0	0	0	0	0	0
	2001	0	0	0	0	0	0	0	0	0
	2002	2	0	2	0	0	0	0	0	0
	<b>TOTAL</b>	<b>56</b>	<b>7</b>	<b>39</b>	<b>5</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3</b>

LOCATION COUNTY/STATE	YEAR	No. OF SAMPLES	TYPE OF SAMPLE							
			F	S	G	T	H	O	R	P
<b>CONVERSE COUNTY</b>	1991	3	0	3	0	0	0	0	0	0
	1992	4	0	2	1	1	0	0	0	0
	1993	0	0	0	0	0	0	0	0	0
	1994	0	0	0	0	0	0	0	0	0
	1995	0	0	0	0	0	0	0	0	0
	1996	4	0	0	0	0	0	0	0	4
	1997	1	0	0	0	0	0	0	0	1
	1998	1	0	0	0	0	0	0	0	1
	1999	1	0	0	0	1	0	0	0	0
	2000	0	0	0	0	0	0	0	0	0
	2001	1	0	1	0	0	0	0	0	0
	2002	0	0	0	0	0	0	0	0	0
	<b>TOTAL</b>	<b>15</b>	<b>0</b>	<b>6</b>	<b>1</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>6</b>
<b>CROOK COUNTY</b>	1991	5	2	1	1	1	0	0	0	0
	1992	2	1	1	0	0	0	0	0	0
	1993	2	1	0	1	0	0	0	0	0
	1994	1	0	0	1	0	0	0	0	0
	1995	0	0	0	0	0	0	0	0	0
	1996	6	0	0	0	0	0	0	0	6
	1997	0	0	0	0	0	0	0	0	0
	1998	3	1	0	0	0	0	0	0	2
	1999	0	0	0	0	0	0	0	0	0
	2000	0	0	0	0	0	0	0	0	0
	2001	1	0	1	0	0	0	0	0	0
	2002	0	0	0	0	0	0	0	0	0
	<b>TOTAL</b>	<b>20</b>	<b>5</b>	<b>3</b>	<b>3</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>8</b>
<b>FREMONT COUNTY</b>	1991	80	4	55	14	4	0	3	0	0
	1992	29	1	16	10	1	0	1	0	0
	1993	9	0	5	3	1	0	0	0	0
	1994	5	2	0	1	2	0	0	0	0
	1995	1	0	1	0	0	0	0	0	0
	1996	10	1	2	0	1	0	0	0	6
	1997	2	0	1	0	1	0	0	0	0
	1998	5	0	4	1	0	0	0	0	0
	1999	4	0	1	2	0	0	1	0	0
	2000	2	1	0	1	0	0	0	0	0
	2001	4	0	2	0	0	2	0	0	0
	2002	4	0	3	1	0	0	0	0	0
	<b>TOTAL</b>	<b>155</b>	<b>9</b>	<b>90</b>	<b>33</b>	<b>10</b>	<b>2</b>	<b>5</b>	<b>0</b>	<b>6</b>

LOCATION COUNTY/STATE	YEAR	No. OF SAMPLES	TYPE OF SAMPLE							
			F	S	G	T	H	O	R	P
GOSHEN COUNTY	1991	32	10	13	6	3	0	0	0	0
	1992	22	4	8	2	8	0	0	0	0
	1993	6	2	4	0	0	0	0	0	0
	1994	4	2	0	1	1	0	0	0	0
	1995	7	1	4	1	1	0	0	0	0
	1996	15	2	0	0	0	0	0	1	12
	1997	13	2	0	0	1	0	0	0	10
	1998	12	1	0	0	0	0	0	2	9
	1999	5	2	0	1	0	1	0	1	0
	2000	12	2	0	1	0	3	1	3	2
	2001	6	2	3	0	0	1	0	0	0
	2002	3	1	0	0	1	0	0	0	1
<b>TOTAL</b>		<b>137</b>	<b>31</b>	<b>32</b>	<b>12</b>	<b>15</b>	<b>5</b>	<b>1</b>	<b>7</b>	<b>34</b>
HOT SPRINGS COUNTY	1991	21	2	10	4	2	0	3	0	0
	1992	8	0	7	1	0	0	0	0	0
	1993	3	1	1	1	0	0	0	0	0
	1994	4	0	1	0	3	0	0	0	0
	1995	1	0	1	0	0	0	0	0	0
	1996	3	0	2	0	0	0	0	0	1
	1997	2	0	2	0	0	0	0	0	0
	1998	9	1	6	1	1	0	0	0	0
	1999	4	0	4	0	0	0	0	0	0
	2000	8	1	7	0	0	0	0	0	0
	2001	8	0	6	1	0	1	0	0	0
	2002	8	0	6	2	0	0	0	0	0
<b>TOTAL</b>		<b>79</b>	<b>5</b>	<b>53</b>	<b>10</b>	<b>6</b>	<b>1</b>	<b>3</b>	<b>0</b>	<b>1</b>
JOHNSON COUNTY	1991	8	1	7	0	0	0	0	0	0
	1992	2	0	2	0	0	0	0	0	0
	1993	1	1	0	0	0	0	0	0	0
	1994	0	0	0	0	0	0	0	0	0
	1995	0	0	0	0	0	0	0	0	0
	1996	7	2	1	0	0	0	0	0	4
	1997	3	0	1	1	1	0	0	0	0
	1998	6	0	3	2	0	0	0	0	1
	1999	1	0	1	0	0	0	0	0	0
	2000	4	0	1	0	1	1	0	1	0
	2001	3	0	2	0	1	0	0	0	0
	2002	1	0	0	1	0	0	0	0	0
<b>TOTAL</b>		<b>36</b>	<b>4</b>	<b>18</b>	<b>4</b>	<b>3</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>5</b>

LOCATION COUNTY/STATE	YEAR	No. OF SAMPLES	TYPE OF SAMPLE							
			F	S	G	T	H	O	R	P
LARAMIE COUNTY	1991	27	7	16	3	1	0	0	0	0
	1992	21	3	7	5	0	0	0	0	6
	1993	2	0	0	2	0	0	0	0	0
	1994	3	1	0	0	1	0	0	1	0
	1995	6	5	0	1	0	0	0	0	0
	1996	20	0	1	1	1	0	0	0	17
	1997	13	1	0	0	0	0	0	0	12
	1998	19	0	5	1	1	0	0	0	12
	1999	3	0	3	0	0	0	0	0	0
	2000	19	5	8	1	3	0	1	1	0
	2001	4	3	1	0	0	0	0	0	0
	2002	3	1	1	1	0	0	0	0	0
	<b>TOTAL</b>	<b>140</b>	<b>26</b>	<b>42</b>	<b>15</b>	<b>7</b>	<b>0</b>	<b>1</b>	<b>2</b>	<b>47</b>
LINCOLN COUNTY	1991	19	1	10	6	2	0	0	0	0
	1992	11	0	3	6	0	0	2	0	0
	1993	2	0	0	0	0	0	2	0	0
	1994	4	0	0	1	2	0	1	0	0
	1995	2	0	1	0	1	0	0	0	0
	1996	0	0	0	0	0	0	0	0	0
	1997	1	1	0	0	0	0	0	0	0
	1998	3	0	2	1	0	0	0	0	0
	1999	0	0	0	0	0	0	0	0	0
	2000	6	1	2	0	0	0	3	0	0
	2001	3	0	2	1	0	0	0	0	0
	2002	3	0	3	0	0	0	0	0	0
	<b>TOTAL</b>	<b>54</b>	<b>3</b>	<b>23</b>	<b>15</b>	<b>5</b>	<b>0</b>	<b>8</b>	<b>0</b>	<b>0</b>
NATRONA COUNTY	1991	48	1	33	9	4	0	1	0	0
	1992	30	0	21	7	1	0	1	0	0
	1993	16	0	12	4	0	0	0	0	0
	1994	6	0	3	1	2	0	0	0	0
	1995	16	0	11	4	1	0	0	0	0
	1996	2	0	1	0	0	0	0	0	1
	1997	7	0	5	0	1	0	0	0	1
	1998	10	0	7	1	0	1	0	0	1
	1999	4	0	2	1	1	0	0	0	0
	2000	4	0	2	0	1	1	0	0	0
	2001	7	0	4	2	0	0	1	0	0
	2002	5	0	2	0	1	0	2	0	0
	<b>TOTAL</b>	<b>155</b>	<b>1</b>	<b>103</b>	<b>29</b>	<b>12</b>	<b>2</b>	<b>5</b>	<b>0</b>	<b>3</b>

LOCATION COUNTY/STATE	YEAR	No. OF SAMPLES	TYPE OF SAMPLE							
			F	S	G	T	H	O	R	P
NIOBRAWA COUNTY	1991	5	4	0	1	0	0	0	0	0
	1992	1	0	0	0	0	0	1	0	0
	1993	2	0	2	0	0	0	0	0	0
	1994	7	2	2	0	3	0	0	0	0
	1995	1	0	0	1	0	0	0	0	0
	1996	12	0	1	1	0	0	0	0	10
	1997	2	0	0	0	0	0	0	0	2
	1998	3	1	0	0	0	0	0	0	2
	1999	0	0	0	0	0	0	0	0	0
	2000	3	0	2	0	0	0	0	1	0
	2001	6	0	5	1	0	0	0	0	0
	2002	0	0	0	0	0	0	0	0	0
	<b>TOTAL</b>	<b>42</b>	<b>7</b>	<b>12</b>	<b>4</b>	<b>3</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>14</b>
PARK COUNTY	1991	71	19	38	12	1	0	1	0	0
	1992	105	87	15	1	1	0	1	0	0
	1993	164	154	5	2	1	0	2	0	0
	1994	27	14	4	2	6	0	1	0	0
	1995	14	8	5	0	1	0	0	0	0
	1996	26	6	0	2	0	1	0	0	17
	1997	77	71	5	0	1	0	0	0	0
	1998	37	27	2	1	3	2	0	1	1
	1999	24	9	8	1	4	0	2	0	0
	2000	18	7	7	2	1	0	1	0	0
	2001	19	3	12	2	1	0	1	0	0
	2002	16	0	6	4	6	0	0	0	0
	<b>TOTAL</b>	<b>598</b>	<b>405</b>	<b>107</b>	<b>29</b>	<b>26</b>	<b>3</b>	<b>9</b>	<b>1</b>	<b>18</b>
PLATTE COUNTY	1991	2	0	2	0	0	0	0	0	0
	1992	3	2	1	0	0	0	0	0	0
	1993	5	1	2	0	0	0	2	0	0
	1994	0	0	0	0	0	0	0	0	0
	1995	0	0	0	0	0	0	0	0	0
	1996	9	2	0	0	0	0	0	0	7
	1997	5	0	0	0	0	0	0	0	5
	1998	6	1	0	0	0	0	0	0	5
	1999	0	0	0	0	0	0	0	0	0
	2000	5	3	0	2	0	0	0	0	0
	2001	10	0	7	1	1	0	1	0	0
	2002	5	0	5	0	0	0	0	0	0
	<b>TOTAL</b>	<b>50</b>	<b>9</b>	<b>17</b>	<b>3</b>	<b>1</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>17</b>

LOCATION COUNTY/STATE	YEAR	No. OF SAMPLES	TYPE OF SAMPLE							
			F	S	G	T	H	O	R	P
<b>SHERIDAN COUNTY</b>	1991	24	3	15	4	1	0	1	0	0
	1992	2	1	0	1	0	0	0	0	0
	1993	4	1	2	0	0	0	0	1	0
	1994	9	1	1	0	7	0	0	0	0
	1995	12	1	6	5	0	0	0	0	0
	1996	22	0	4	1	0	0	0	0	17
	1997	13	0	4	2	2	1	3	0	1
	1998	5	0	1	1	0	2	0	0	1
	1999	0	0	0	0	0	0	0	0	0
	2000	4	1	2	1	0	0	0	0	0
	2001	2	0	1	0	0	1	0	0	0
	2002	6	0	3	3	0	0	0	0	0
	<b>TOTAL</b>	<b>103</b>	<b>8</b>	<b>39</b>	<b>18</b>	<b>10</b>	<b>4</b>	<b>4</b>	<b>1</b>	<b>19</b>
<b>SUBLETTE COUNTY</b>	1991	14	1	12	1	0	0	0	0	0
	1992	6	0	5	1	0	0	0	0	0
	1993	1	0	1	0	0	0	0	0	0
	1994	0	0	0	0	0	0	0	0	0
	1995	0	0	0	0	0	0	0	0	0
	1996	1	0	0	1	0	0	0	0	0
	1997	3	0	0	1	1	0	0	1	0
	1998	0	0	0	0	0	0	0	0	0
	1999	2	0	2	0	0	0	0	0	0
	2000	1	0	0	1	0	0	0	0	0
	2001	0	0	0	0	0	0	0	0	0
	2002	0	0	0	0	0	0	0	0	0
	<b>TOTAL</b>	<b>28</b>	<b>1</b>	<b>20</b>	<b>5</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>
<b>SWEETWATER COUNTY</b>	1991	2	0	2	0	0	0	0	0	0
	1992	1	0	1	0	0	0	0	0	0
	1993	3	0	3	0	0	0	0	0	0
	1994	2	0	1	0	1	0	0	0	0
	1995	2	0	0	0	0	0	0	2	0
	1996	0	0	0	0	0	0	0	0	0
	1997	2	1	1	0	0	0	0	0	0
	1998	1	0	1	0	0	0	0	0	0
	1999	2	2	0	0	0	0	0	0	0
	2000	1	0	0	0	1	0	0	0	0
	2001	6	0	3	1	1	0	1	0	0
	2002	6	0	3	0	1	0	2	0	0
	<b>TOTAL</b>	<b>28</b>	<b>3</b>	<b>15</b>	<b>1</b>	<b>4</b>	<b>0</b>	<b>3</b>	<b>2</b>	<b>0</b>

LOCATION COUNTY/STATE	YEAR	No. OF SAMPLES	TYPE OF SAMPLE							
			F	S	G	T	H	O	R	P
TETON COUNTY	1991	16	0	13	2	1	0	0	0	0
	1992	3	0	2	1	0	0	0	0	0
	1993	2	0	2	0	0	0	0	0	0
	1994	6	0	4	0	1	0	1	0	0
	1995	3	0	3	0	0	0	0	0	0
	1996	2	0	2	0	0	0	0	0	0
	1997	0	0	0	0	0	0	0	0	0
	1998	6	0	6	0	0	0	0	0	0
	1999	0	0	0	0	0	0	0	0	0
	2000	0	0	0	0	0	0	0	0	0
	2001	3	0	3	0	0	0	0	0	0
	2002	5	0	5	0	0	0	0	0	0
	<b>TOTAL</b>	<b>46</b>	<b>0</b>	<b>40</b>	<b>3</b>	<b>2</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>
UINTA COUNTY	1991	10	0	5	4	0	0	1	0	0
	1992	2	0	1	1	0	0	0	0	0
	1993	1	1	0	0	0	0	0	0	0
	1994	1	0	1	0	0	0	0	0	0
	1995	0	0	0	0	0	0	0	0	0
	1996	4	0	4	0	0	0	0	0	0
	1997	1	0	1	0	0	0	0	0	0
	1998	0	0	0	0	0	0	0	0	0
	1999	0	0	0	0	0	0	0	0	0
	2000	9	0	7	1	1	0	0	0	0
	2001	6	0	6	0	0	0	0	0	0
	2002	4	0	3	1	0	0	0	0	0
	<b>TOTAL</b>	<b>38</b>	<b>1</b>	<b>28</b>	<b>7</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>
WASHAKIE COUNTY	1991	12	0	7	5	0	0	0	0	0
	1992	3	0	3	0	0	0	0	0	0
	1993	1	0	1	0	0	0	0	0	0
	1994	4	1	2	0	1	0	0	0	0
	1995	1	0	1	0	0	0	0	0	0
	1996	3	0	2	1	0	0	0	0	0
	1997	0	0	0	0	0	0	0	0	0
	1998	4	0	3	0	1	0	0	0	0
	1999	4	1	3	0	0	0	0	0	0
	2000	2	0	2	0	0	0	0	0	0
	2001	4	0	2	2	0	0	0	0	0
	2002	0	0	0	0	0	0	0	0	0
	<b>TOTAL</b>	<b>38</b>	<b>2</b>	<b>26</b>	<b>8</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

LOCATION COUNTY/STATE	YEAR	No. OF SAMPLES	TYPE OF SAMPLE							
			F	S	G	T	H	O	R	P
<b>WESTON COUNTY</b>	1991	8	0	5	3	0	0	0	0	0
	1992	2	0	1	1	0	0	0	0	0
	1993	2	0	1	0	0	0	1	0	0
	1994	0	0	0	0	0	0	0	0	0
	1995	3	0	2	1	0	0	0	0	0
	1996	8	0	1	2	0	0	0	0	5
	1997	6	0	6	0	0	0	0	0	0
	1998	6	2	4	0	0	0	0	0	0
	1999	6	0	4	1	1	0	0	0	0
	2000	7	0	5	2	0	0	0	0	0
	2001	3	1	1	0	1	0	0	0	0
	2002	3	0	0	1	0	0	2	0	0
	<b>TOTAL</b>	<b>54</b>	<b>3</b>	<b>30</b>	<b>11</b>	<b>2</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>5</b>
<b>ALASKA</b>	1991	0	0	0	0	0	0	0	0	0
	1992	0	0	0	0	0	0	0	0	0
	1993	0	0	0	0	0	0	0	0	0
	1994	0	0	0	0	0	0	0	0	0
	1995	1	0	0	0	0	0	0	1	0
	1996	0	0	0	0	0	0	0	0	0
	1997	0	0	0	0	0	0	0	0	0
	1998	3	0	0	0	0	0	0	3	0
	1999	2	0	0	0	0	0	0	2	0
	2000	0	0	0	0	0	0	0	0	0
	2001	0	0	0	0	0	0	0	0	0
	2002	3	2	0	0	0	0	0	1	0
	<b>TOTAL</b>	<b>9</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>7</b>	<b>0</b>
<b>CALIFORNIA</b>	1991	0	0	0	0	0	0	0	0	0
	1992	0	0	0	0	0	0	0	0	0
	1993	0	0	0	0	0	0	0	0	0
	1994	0	0	0	0	0	0	0	0	0
	1995	0	0	0	0	0	0	0	0	0
	1996	0	0	0	0	0	0	0	0	0
	1997	1	1	0	0	0	0	0	0	0
	1998	0	0	0	0	0	0	0	0	0
	1999	0	0	0	0	0	0	0	0	0
	2000	0	0	0	0	0	0	0	0	0
	2001	0	0	0	0	0	0	0	0	0
	2002	0	0	0	0	0	0	0	0	0
	<b>TOTAL</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

LOCATION COUNTY/STATE	YEAR	No. OF SAMPLES	TYPE OF SAMPLE							
			F	S	G	T	H	O	R	P
COLORADO	1991	0	0	0	0	0	0	0	0	0
	1992	0	0	0	0	0	0	0	0	0
	1993	0	0	0	0	0	0	0	0	0
	1994	0	0	0	0	0	0	0	0	0
	1995	0	0	0	0	0	0	0	0	0
	1996	2	2	0	0	0	0	0	0	0
	1997	0	0	0	0	0	0	0	0	0
	1998	1	1	0	0	0	0	0	0	0
	1999	50	1	0	0	0	0	0	1	48
	2000	91	0	0	0	0	0	0	0	91
	2001	19	0	0	0	0	0	0	1	19
	2002	6	0	0	0	0	0	0	0	5
	<b>TOTAL</b>	<b>169</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>163</b>
MICHIGAN	1991	0	0	0	0	0	0	0	0	0
	1992	0	0	0	0	0	0	0	0	0
	1993	0	0	0	0	0	0	0	0	0
	1994	1	0	0	0	0	0	0	1	0
	1995	0	0	0	0	0	0	0	0	0
	1996	0	0	0	0	0	0	0	0	0
	1997	0	0	0	0	0	0	0	0	0
	1998	0	0	0	0	0	0	0	0	0
	1999	0	0	0	0	0	0	0	0	0
	2000	1	0	0	0	0	0	1	0	0
	2001	0	0	0	0	0	0	0	0	0
	2002	0	0	0	0	0	0	0	0	0
	<b>TOTAL</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0</b>
MONTANA	1991	0	0	0	0	0	0	0	0	0
	1992	0	0	0	0	0	0	0	0	0
	1993	0	0	0	0	0	0	0	0	0
	1994	0	0	0	0	0	0	0	0	0
	1995	0	0	0	0	0	0	0	0	0
	1996	0	0	0	0	0	0	0	0	0
	1997	0	0	0	0	0	0	0	0	0
	1998	0	0	0	0	0	0	0	0	0
	1999	24	0	0	0	0	0	0	0	24
	2000	12	0	0	0	0	0	0	0	12
	2001	11	0	0	0	0	0	0	0	11
	2002	2	1	0	0	0	0	0	0	1
	<b>TOTAL</b>	<b>49</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>48</b>

LOCATION COUNTY/STATE	YEAR	No. OF SAMPLES	TYPE OF SAMPLE							
			F	S	G	T	H	O	R	P
NEBRASKA	1991	0	0	0	0	0	0	0	0	0
	1992	0	0	0	0	0	0	0	0	0
	1993	1	0	0	0	0	0	0	1	0
	1994	12	8	0	0	0	0	0	4	0
	1995	2	0	0	0	0	0	0	2	0
	1996	0	0	0	0	0	0	0	0	0
	1997	1	0	0	0	0	0	0	0	1
	1998	0	0	0	0	0	0	0	0	0
	1999	50	5	0	0	0	0	0	5	40
	2000	72	0	0	0	0	0	0	0	72
	2001	223	2	0	0	0	0	0	0	221
	2002	29	1	0	0	0	0	0	1	27
<b>TOTAL</b>		<b>390</b>	<b>16</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>13</b>	<b>361</b>
WASHINGTON	1991	0	0	0	0	0	0	0	0	0
	1992	0	0	0	0	0	0	0	0	0
	1993	0	0	0	0	0	0	0	0	0
	1994	0	0	0	0	0	0	0	0	0
	1995	0	0	0	0	0	0	0	0	0
	1996	0	0	0	0	0	0	0	0	0
	1997	0	0	0	0	0	0	0	0	0
	1998	0	0	0	0	0	0	0	0	0
	1999	1	0	0	0	0	0	0	1	0
	2000	1	0	0	0	0	0	0	1	0
	2001	0	0	0	0	0	0	0	0	0
	2002	1	0	1	0	0	0	0	0	0
<b>TOTAL</b>		<b>3</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>0</b>
ORIGIN NOT RECORDED	1991	2	0	0	0	1	0	1	0	0
	1992	0	0	0	0	0	0	0	0	0
	1993	0	0	0	0	0	0	0	0	0
	1994	1	1	0	0	0	0	0	0	0
	1995	0	0	0	0	0	0	0	0	0
	1996	1	1	0	0	0	0	0	0	0
	1997	0	0	0	0	0	0	0	0	0
	1998	0	0	0	0	0	0	0	0	0
	1999	0	0	0	0	0	0	0	0	0
	2000	0	0	0	0	0	0	0	0	0
	2001	19	0	0	0	0	0	0	0	19
	2002	6	4	1	0	1	0	0	0	0
<b>TOTAL</b>		<b>29</b>	<b>6</b>	<b>1</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>19</b>
<b>GRAND TOTAL</b>		<b>3,044</b>	<b>577</b>	<b>1,043</b>	<b>294</b>	<b>155</b>	<b>33</b>	<b>61</b>	<b>55</b>	<b>826</b>

## Table 2. EPPL Samples by Sample Number 2002

EPPL ID	County/State	Date In	Host Plant	Primary Diagnosis	Diagnosis/Recommendation	Pathogen
2002.002	Weston Co., WY	2/14/2002	Fig	Environmental	None - probable defoliation due to change of temperature & light	None
2002.003	Unknown	3/29/2002	Potato	Environmental	No late blight detected	None
2002.004	Weston Co., WY	unknown	Plant I.D.	Other	Antennaria species ("cat's foot or pussy toes")	n/a
2002.005	Sweetwater Co., WY	5/10/2002	Plant I.D.	Other	In the 'Evening primrose' family (Onagraceae)	n/a
2002.006 a	Park Co., WY	unknown	Turf	Environmental	None - asked to resubmit sample if problem persists	None
2002.006 b	Park Co., WY	unknown	Turf	Environmental	None - suggested submitting soil sample to Kelli Belden	None
2002.007	Campbell Co., WY	5/17/2002	Turf	Environmental	None - asked to resubmit sample if problem persists	None
2002.008 d	Park Co., WY	5/24/2002	Pine	Environmental	Perhaps winter bronzing (desicaation)	None
2002.009	Park Co., WY	5/1/2002	Turf	Environmental	Root rot. Perhaps due to overwatering, cold injury, and salts	None
2002.010	Sheridan Co, WY	4/16/2002	Geranium	Environmental		

EPPL ID	County/State	Date In	Host Plant	Primary Diagnosis	Diagnosis/Recommendation	Pathogen
2002.011	Campbell Co., WY	6/4/2002	Fungi I.D.	Other	Mushroom - sent to S. Miller for I.D. Fungi was in crawl space of home	Unknown
2002.012	Lincoln Co., WY	6/4/2002	Pine	Environmental	Perhaps winter desication	None
2002.013	Lincoln Co., WY	6/4/2002	Spruce	Environmental	Perhaps lack of water	None
2002.014 d	Natrona Co., WY	6/5/2002	Fungi I.D.	Fungal	Leucocoprinus sp. Catface on fruit, probable edema on stems	None
2002.015	Laramie Co., WY	6/4/2002	Tomato	Environmental		None
2002.016	Goshen Co., WY	5/10/2002	Wheat Bleeding heart	Environmental	No frost damage apparent	None
2002.017 d	Fremont Co., WY	6/3/2002		Other	Perhaps viral	
2002.018 d	Albany Co., WY	6/5/2002	Pine	Other	Sapsucker (bird) injury Possible drought or winter stress	None
2002.019	Park Co., WY	5/12/2002	Spruce	Environmental		None
2002.020	Platte Co., WY	5/15/2002	Spruce	Environmental	Environmental stress (water stress, etc.)	None
2002.021	Natrona, Co., WY	6/10/2002	Juniper	Environmental	None - no cause determined Primarily a thatch problem, some leafspot ( <i>Fusarium</i> ) present	None
2002.022	Sweetwater Co., WY	6/9/2002	Turf	Fungal	Environmental stress most probable	None
2002.023 d	Campbell Co., WY	6/14/2002	Spruce	Environmental	Spruce broom rust	None
2002.024 d	Natrona Co., WY	6/14/2002	Spruce	Fungal		
2002.025	Campbell Co., WY	6/13/2002	Spruce	Environmental	Environmental	None

EPPL ID	County/State	Date In	Host Plant	Primary Diagnosis	Diagnosis/Recommendation	Pathogen
2002.041	Laramie Co., WY	unknown	Basswood	Environmental	None - perhaps some slight water deficiency	n/a
2002.042	Albany Co., WY	unknown	Chokecherry	Insect	Plum finger gall mite Perhaps Cytospora, but evidence of insects present as well	n/a
2002.043 d	Platte Co., WY	unknown	Willow	Fungal	Ethylene presence/air pollutant of some kind	n/a
2002.044	Sheridan Co, WY	unknown	Pepper	Environmental	Algae. Water management	n/a
2002.045 d	Natrona, Co., WY Campbell Co., WY	7/4/2002	Turf	Environmental	Most likely nutrient deficiency Perhaps environmental (water, heat, etc)	n/a
2002.046 d		7/12/2002	Trees	Environmental	environmental/cultural (perhaps too much water)	n/a
2002.047	Platte Co., WY	unknown	Spruce	Environmental	n/a	
2002.048	Sheridan Co, WY	7/11/2002	Spruce	Environmental	n/a	
2002.049	Carbon, Co., WY Campbell Co., WY	7/12/2002	Apple tree	Insect	Blister mites	n/a
2002.050		7/15/2002	Lilac	Environmental	Unknown	n/a
2002.051	Carbon, Co., WY Campbell Co., WY	7/15/2002	Spruce	Insect	Web-spinning sawflies	n/a
2002.052		7/15/2002	Lilac	Chemical	perhaps herbicide exposure unknow - requested more information/photo of site	n/a
2002.053	Goshen Co., WY	7/11/2002	Turf	Environmental	environmental (drought, heat or nutritional)	n/a
2002.054	Park Co., WY	7/15/2002	Hedge (?)	Environmental		
2002.055	Uinta Co., WY	unknown	Crab apple	Insect	Blister mites	n/a

EPPL ID	County/State	Date In	Host Plant	Primary Diagnosis	Diagnosis/Recommendation	Pathogen
2002.056	Park Co., WY	7/17/2002	Turf	Fungal	Some Ascochyta, Drechslera, as well as environmental (watering technique and dull mower blades)	n/a
2002.057	Park Co., WY	unknown	Tomato	Environmental	Sample in poor condition. Perhaps cultural or viral.	n/a
2002.058	Park Co., WY	7/22/2002	Pine	Insect	Mites and white spots, environmental stress	n/a
2002.059	Park Co., WY	7/26/2002	Evergreen	Environmental	Perhaps environmental stress/cultural	n/a
2002.060	NEBRASKA (Sidney, NE)	7/29/2002	Corn	Environmental	Unknown - perhaps water, soil or nematode problem	n/a
2002.061	Albany Co., WY	7/30/2002	Spruce	Insect	Pine Needle Scale	n/a
2002.062 d	Hot Springs Co. WY	7/30/2002	Locust	Environmental	Made various suggestions for the extension educator to investigate	n/a
2002.063 d	Hot Springs Co. WY	7/30/2002	Spruce	Insect	Scale, mites, chronic stress	n/a
2002.064 d	Hot Springs Co. WY	7/30/2002	Spruce	Insect	Scale, mites, chronic stress	n/a
2002.065 d	Hot Springs Co. WY	7/30/2002	Aspen	Environmental	Crowding and lack of sun	n/a
2002.066	Park Co., WY	7/26/2002	Lady Slipper & Japanese evergreen	Environmental	cultural, possible transplanting shock	n/a
2002.067	Sweetwater Co., WY	unknown	Plant I.D.	Other	Tripterocalyx micranthus (Smallflower sandverbena)	n/a
2002.068	Hot Springs Co. WY	8/5/2002	Burning bush	Environmental	Insufficient sample	n/a
2002.069	Hot Springs Co. WY	8/5/2002	Potato	Chemical	Possible herbicide damage	n/a
2002.070 d	Campbell Co., WY	unknown	Tomato	Fungal	Looks like early blight, but asked to send a better sample	

EPPL ID	County/State	Date In	Host Plant	Primary Diagnosis	Diagnosis/Recommendation	Pathogen
2002.071	(Field visit)	8/14/2002	Pine	Fungal	White Pine Blister Ruse (presumptive)	
2002.072	Fremont Co., WY	8/7/2002	Cottonwood	Fungal	Cytospora (presumptive)	
2002.073	Uinta Co., WY	8/8/2002	Aspen	Fungal	Cytospora (presumptive)	
2002.074	Fremont Co., WY	8/7/2002	Cottonwood	Fungal	Most likely Cytospora	
2002.075	Unknown	8/7/2002	Bean	Environmental	BBB not detected	
2002.076	Unknown	8/2/2002	Bean	Environmental	Symptoms similar to halo blight(?)	
2002.077	Bighorn Co., WY	8/9/2002	Aspen	Insect	Scale insect	
2002.078	Uinta Co., WY	8/8/2002	Cottonwood	Fungal	Shoot blight (Venturia)	Venturia
2002.079	Campbell Co., WY	8/13/2002	Aspen	Fungal	Shoot blight (Venturia)	Venturia
2002.080 d	Campbell Co., WY	8/13/2002	Potato	Insect	Flea beetle	
2002.081	Bighorn Co., WY	8/13/2002	Lilac	Environmental	Drought and/or herbicide	
2002.082 d	Campbell Co., WY	8/13/2002	Pepper	Insect	Possibly insect & Erwinia infection	
2002.083	Campbell Co., WY	7/25/2002	Tomato	Chemical	Possibly herbicide	
2002.084	Park Co., WY	8/13/2002	Caragana	Insect	Spider mites & chronic stress	

EPPL ID	County/State	Date In	Host Plant	Primary Diagnosis	Diagnosis/Recommendation	Pathogen
2002.086	d Uinta Co., WY	8/28/2002	Box Elder	Environmental	Burl (not crown gall) - may be physiological	
2002.087	NEBRASKA (SCOTTSBLUFF R&E)	Sep-02	Chickory	Environmental	Erwinia	
2002.088	IDAHO	unknown	Potato	Environmental	No nematodes detected - unknown	
2002.089	Park Co., WY	9/9/2002	Caragana	Chemical	Herbicide injury	
2002.090	Weston Co., WY	9/6/2002	Plant I.D.	Other	Echinochloa muricata var. microstachya	
2002.091	Johnson Co., WY	Aug-02	Tomato	Virus	Virus, perhaps tomato spotted wilt virus	
2002.092	Albany Co., WY	Aug-02	Canada thistle	Fungal	Rust on canada thistle	
2002.093	COLORADO	unknown	Pine	Fungal	Dothistroma Needle Blight	Mycosphaerella pini (sexual stage)
2002.094	unknown	Sep-02	Turf	Fungal	Drechslera (presumptive)	
2002.095	Albany, Co. WY	9/23/2002	Spruce	Insect	Pine Needle Scale	
2002.096	Hot Springs Co. WY	9/27/2002	Apple tree	Environmental	Zinc deficiency (per Kelli Beldon)	
2002.097	Laramie Co., WY	unknown	Potato	Fungal	black dot (presumptive)	
2002.098	MONTANA	10/7/2002	Beans	Bacterial	Bacterial Bean Blight	
2002.099	Platte Co., WY	10/9/2002	Spruce	Fungal	Cytospora (presumptive) & mechanical	
2002.100	Sheridan Co, WY	unknown	Spruce	Insect	Spruce bud scale (presumptive)	

EPPL ID	County/State	Date In	Host Plant	Primary Diagnosis	Diagnosis/Recommendation	Pathogen
2002.101	Campbell Co., WY	9/9/2002	Spruce	Insect	Scale (insect) Physiological - knobby growth due to environment	
2002.102	Sheridan Co, WY	10/21/2002	Potato	Environmental		
2002.103	Lincoln, Co, WY	10/23/2002	Pine tree Corn & Bean	Environmental		
2002.104	Albany, Co. WY	10/25/2002		Environmental		
2002.105	Park Co., WY	10/x/2002	Spruce	Environmental		
2002.106	Sweetwater Co., WY	unknown	Populus	Environmental		
2002.107	Sweetwater Co., WY	unknown	Acer	Environmental		
2002.108	Teton Co., WY	Nov-02	Cottonwood	Fungal	Cytospora	
2002.109	Teton Co., WY	Nov-02	Cottonwood	Fungal	Cytospora	
2002.110	Teton Co., WY	Nov-02	Cottonwood	Fungal	Cytospora	
2002.111	Teton Co., WY	Nov-02	Cottonwood	Fungal	Cytospora Root damage due to overwatering and soil compaction	
2002.112	Albany Co. WY	11/5/2002	Spruce	Environmental		
2002.113	ALASKA	1-Nov	Potato	Bacterial	Pink Eye	
2002.114	ALASKA	6/?/2002	Potato	Bacterial	Pink Eye	
2002.115	Goshen Co., WY		Sugar Beet	Fungal		Cercospora beticola

EPPL ID	County/State	Date In	Host Plant	Primary Diagnosis	Diagnosis/Recommendation	Pathogen
2002.116	COLORADO		Sugar Beet	Fungal	Field 9 (a,b)	<i>Cercospora beticola</i>
2002.117	COLORADO		Sugar Beet	Fungal	Field 10 (a,b,d,f,e,g)	<i>Cercospora beticola</i>
2002.118	COLORADO		Sugar Beet	Fungal	Field 11 (a,b)	<i>Cercospora beticola</i>
2002.119	COLORADO		Sugar Beet	Fungal	Field 18(a,b,c,d,e,f)	<i>Cercospora beticola</i>
2002.120	COLORADO		Sugar Beet	Fungal	Field 19(a,b,c)	<i>Cercospora beticola</i>
2002.121	MONTANA		Sugar Beet	Fungal		<i>Cercospora beticola</i>
2002.122	NEBRASKA	Sep-02	Sugar Beet	Fungal	Field 1 (a,c,d,e,f)	<i>Cercospora beticola</i>
2002.123	NEBRASKA	Sep-02	Sugar Beet	Fungal	Field 2 (c,e,f,g)	<i>Cercospora beticola</i>
2002.124	NEBRASKA	Sep-02	Sugar Beet	Fungal	Field 3 (a,b)	<i>Cercospora beticola</i>
2002.125	NEBRASKA	Sep-02	Sugar Beet	Fungal	Field 4 (a,b,c)	<i>Cercospora beticola</i>
2002.126	NEBRASKA	Sep-02	Sugar Beet	Fungal	Field 5 (a,b,c)	<i>Cercospora beticola</i>
2002.127	NEBRASKA	Sep-02	Sugar Beet	Fungal	Field 6 (a)	<i>Cercospora beticola</i>
2002.128	NEBRASKA	Sep-02	Sugar Beet	Fungal	Field 7 (a,b,d,e)	<i>Cercospora beticola</i>
2002.129	NEBRASKA	Sep-02	Sugar Beet	Fungal	Field 8 (a,b,c,d)	<i>Cercospora beticola</i>
2002.130	NEBRASKA	Sep-02	Sugar Beet	Fungal	Field 12 (a,b,c)	<i>Cercospora beticola</i>

EPPL ID	County/State	Date In	Host Plant	Primary Diagnosis	Diagnosis/Recommendation	Pathogen
2002.131	NEBRASKA	Sep-02	Sugar Beet	Fungal	Field 13 (b,e,f,g)	<i>Cercospora beticola</i>
2002.132	NEBRASKA	Sep-02	Sugar Beet	Fungal	Field 14 (a,c)	<i>Cercospora beticola</i>
2002.133	NEBRASKA	Sep-02	Sugar Beet	Fungal	Field 15 (a,b,c,d,e)	<i>Cercospora beticola</i>
2002.134	NEBRASKA	Sep-02	Sugar Beet	Fungal	Field 16 (a,b)	<i>Cercospora beticola</i>
2002.135	NEBRASKA	Sep-02	Sugar Beet	Fungal	Field 17 (a,b,c)	<i>Cercospora beticola</i>
2002.136	NEBRASKA	Sep-02	Sugar Beet	Fungal	Field 20 (a,b)	<i>Cercospora beticola</i>
2002.137	NEBRASKA	Sep-02	Sugar Beet	Fungal	Field 21 (a,c,d)	<i>Cercospora beticola</i>
2002.138	NEBRASKA	Sep-02	Sugar Beet	Fungal	Field 22 (a,b,c,d,e)	<i>Cercospora beticola</i>
2002.139	NEBRASKA	Sep-02	Sugar Beet	Fungal	Field 23 (a,b,c,d)	<i>Cercospora beticola</i>
2002.140	NEBRASKA	Sep-02	Sugar Beet	Fungal	Field 24 (a,b,c,d,e,m)	<i>Cercospora beticola</i>
2002.141	NEBRASKA	Sep-02	Sugar Beet	Fungal	Field 26 (a,b)	<i>Cercospora beticola</i>
2002.142	NEBRASKA	Sep-02	Sugar Beet	Fungal	Field 27 (a,b,c,d,e)	<i>Cercospora beticola</i>
2002.143	NEBRASKA	Sep-02	Sugar Beet	Fungal	Field 28 (b,d,e,f,h,j)	<i>Cercospora beticola</i>
2002.144	NEBRASKA	Sep-02	Sugar Beet	Fungal	Field 29 (a,b,d,e,f)	<i>Cercospora beticola</i>
2002.145	NEBRASKA	Sep-02	Sugar Beet	Fungal	Field 30 (j,i)	<i>Cercospora beticola</i>
2002.146	NEBRASKA	Sep-02	Sugar Beet	Fungal	Field 31 (a,b,c)	<i>Cercospora beticola</i>
2002.147	NEBRASKA	Sep-02	Sugar Beet	Fungal	Field 32 (b,c,d)	<i>Cercospora beticola</i>

<b>EPPL ID</b>	<b>County/State</b>	<b>Date In</b>	<b>Host Plant</b>	<b>Primary Diagnosis</b>	<b>Diagnosis/Recommendation</b>	<b>Pathogen</b>
2002.148	NEBRASKA	Sep-02	Sugar Beet	Fungal	Field 33 (a)	Cercospora beticola

**Table 3: EPPL diagnostic samples by county or state**

EPPL ID	County/State	Date In	Host	Primary Diagnosis	Diagnosis/Recommendation
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### Albany County

2002.112	Albany Co. WY	11/5/2002	Spruce	Environmental	Root damage due to overwatering and soil compaction
2002.018	d Albany Co., WY	6/5/2002	Pine	Other	Sapsucker (bird) injury
2002.030	Albany Co., WY	6/20/2002	Spruce	Environmental	Most likely environmental stress
2002.042	Albany Co., WY	unknown	Chokecherry	Insect	Plum finger gall mite
2002.061	Albany Co., WY	7/30/2002	Spruce	Insect	Pine Needle Scale
2002.092	Albany Co., WY	Aug-02	Canada thistle	Fungal	Rust on canada thistle
2002.095	Albany, Co. WY	9/23/2002	Spruce	Insect	Pine Needle Scale
2002.104	Albany, Co. WY	10/25/2002	Corn & Bean	Environmental	

### Big Horn County

2002.029	Bighorn Co., WY	1/16/2002	Fungi I.D.	Other	Psilocybe (most likely P. cubensis)
2002.077	Bighorn Co., WY	8/9/2002	Aspen	Insect	Scale insect
2002.081	Bighorn Co., WY	8/13/2002	Lilac	Environmental	Drought and/or herbicide

EPPL ID	County/State	Date In	Host	Primary Diagnosis	Diagnosis/Recommendation
<b>Campbell County</b>					
2002.007	Campbell Co., WY	5/17/2002	Turf	Environmental	None - asked to resubmit sample if problem persists
2002.011	Campbell Co., WY	6/4/2002	Fungi I.D.	Other	Mushroom - sent to S. Miller for I.D. Fungi was in crawl space of home
2002.023	d Campbell Co., WY	6/14/2002	Spruce	Environmental	Environmental stress most probable
2002.025	Campbell Co., WY	6/13/2002	Spruce	Environmental	Environmental
2002.026	Campbell Co., WY	6/13/2002	Spruce	Environmental	Environmental
2002.031	Campbell Co., WY	6/20/2002	Fungi I.D.	Environmental	Not able to identify, insufficient sample
2002.038	Campbell Co., WY	unknown	Turf	Fungal	Some fungi present: Bipolaris-type fungi, Alternarias, Colletotrichum, Ascochyta. Suggested better cultural practices.
2002.046	d Campbell Co., WY	7/12/2002	Trees	Environmental	Most likely nutrient deficiency
2002.050	Campbell Co., WY	7/15/2002	Lilac	Environmental	Unknown
2002.052	Campbell Co., WY	7/15/2002	Lilac	Chemical	perhaps herbicide exposure
2002.070	d Campbell Co., WY	unknown	Tomato	Fungal	Looks like early blight, but asked to send a better sample
2002.079	Campbell Co., WY	8/13/2002	Aspen	Fungal	Shoot blight (Venturia)
2002.080	d Campbell Co., WY	8/13/2002	Potato	Insect	Flea beetle
2002.082	d Campbell Co., WY	8/13/2002	Pepper	Insect	Possibly insect & Erwinia infection
2002.083	Campbell Co., WY	7/25/2002	Tomato	Chemical	Possibly herbicide
2002.101	Campbell Co., WY	9/9/2002	Spruce	Insect	Scale (insect)

EPPL ID	County/State	Date In	Host	Primary Diagnosis	Diagnosis/Recommendation
<b>Carbon County</b>					
2002.049	Carbon, Co., WY	7/12/2002	Apple tree	Insect	Blister mites
2002.051	Carbon, Co., WY	7/15/2002	Spruce	Insect	Web-spinning sawflies

### **Converse County**

**none**

### **Crook County**

**none**

### **Fremont County**

2002.017	d	Fremont Co., WY	6/3/2002	Bleeding heart	Other	Perhaps viral
2002.032		Fremont Co., WY	6/14/2002	Cottonwood	Chemical	Herbicide injury, (2-4-D, Dicamba, & Metsulfurm)
2002.072		Fremont Co., WY	8/7/2002	Cottonwood	Fungal	Cytospora (presumptive)
2002.074		Fremont Co., WY	8/7/2002	Cottonwood	Fungal	Most likely Cytospora

### **Goshen County**

2002.016	Goshen Co., WY	5/10/2002	Wheat	Environmental	No frost damage apparent
2002.053	Goshen Co., WY	7/11/2002	Turf	Environmental	unknow - requested more information/photo of site
2002.115	Goshen Co., WY		Sugar Beet	Fungal	

EPPL ID	County/State	Date In	Host	Primary Diagnosis	Diagnosis/Recommendation
<b>Hot Springs County</b>					
2002.035	Hot Springs Co. WY	unknown	Iris	Environmental	Possible leaf scorch due to environmental conditions
2002.062 d	Hot Springs Co. WY	7/30/2002	Locust	Environmental	Made various suggestions for the extension educator to investigate
2002.063 d	Hot Springs Co. WY	7/30/2002	Spruce	Insect	Scale, mites, chronic stress
2002.064 d	Hot Springs Co. WY	7/30/2002	Spruce	Insect	Scale, mites, chronic stress
2002.065 d	Hot Springs Co. WY	7/30/2002	Aspen	Environmental	Crowding and lack of sun
2002.068	Hot Springs Co. WY	8/5/2002	Burning bush	Environmental	Insufficient sample
2002.069	Hot Springs Co. WY	8/5/2002	Potato	Chemical	Possible herbicide damage
2002.096	Hot Springs Co. WY	9/27/2002	Apple tree	Environmental	Zinc deficiency (per Kelli Beldon)
<b>Johnson County</b>					
2002.091	Johnson Co., WY	Aug-02	Tomato	Virus	Virus, perhaps tomato spotted wilt virus
<b>Laramie County</b>					
2002.015	Laramie Co., WY	6/4/2002	Tomato	Environmental	Catface on fruit, probable edema on stems
2002.041	Laramie Co., WY	unknown	Basswood	Environmental	None - perhaps some slight water deficiency
2002.097	Laramie Co., WY	unknown	Potato	Fungal	black dot (presumptive)

EPPL ID	County/State	Date In	Host	Primary Diagnosis	Diagnosis/Recommendation
<b>Lincoln County</b>					
2002.012	Lincoln Co., WY	6/4/2002	Pine	Environmental	Perhaps winter desication
2002.013	Lincoln Co., WY	6/4/2002	Spruce	Environmental	Perhaps lack of water
2002.103	Lincoln, Co, WY	10/23/2002	Pine	Environmental	
<b>Natrona County</b>					
2002.014 d	Natrona Co., WY	6/5/2002	Fungi I.D.	Fungal	Leucocoprinus sp.
2002.024 d	Natrona Co., WY	6/14/2002	Spruce	Fungal	Spruce broom rust
2002.021	Natrona, Co., WY	6/10/2002	Juniper	Environmental	None - no cause determined
2002.040 d	Natrona, Co., WY	unknown	Fungi I.D.	Other	Giant puffball
2002.045 d	Natrona, Co., WY	7/4/2002	Turf	Environmental	Algae. Water management
<b>Niobrara County</b>					
none					

EPPL ID	County/State	Date In	Cultivar/Variety	Primary Diagnosis	Diagnosis/Recommendation
<b>Park County</b>					
2002.006	a Park Co., WY	unknown	Turf	Environmental	None - asked to resubmit sample if problem persists
2002.006	b Park Co., WY	unknown	Turf	Environmental	None - suggested submitting soil sample to Kelli Belden
2002.008	d Park Co., WY	5/24/2002	Pine	Environmental	Perhaps winter bronzing (desiccation)
2002.009	Park Co., WY	5/1/2002	Turf	Environmental	
2002.019	Park Co., WY	5/12/2002	Spruce	Environmental	Possible drought or winter stress
2002.027	Park Co., WY	6/13/2002	Turf	Environmental	Excessive thatch
2002.028	Park Co., WY	6/3/2002	Turf	Environmental	Excessive thatch & Anthracnose
2002.054	Park Co., WY	7/15/2002	Hedge (?)	Environmental	environmental (drought, heat or nutritional)
2002.056	Park Co., WY	7/17/2002	Turf	Fungal	Some Ascochyta, Drechslera, as well as environmental (watering technique and dull mower blades)
2002.057	Park Co., WY	unknown	Tomato	Environmental	Sample in poor condition. Perhaps cultural or viral.
2002.058	Park Co., WY	7/22/2002	Pine	Insect	Mites and white spots, environmental stress
2002.059	Park Co., WY	7/26/2002	Evergreen	Environmental	Perhaps environmental stress/cultural
2002.066	Park Co., WY	7/26/2002	Lady Slipper & Japanese evergreen	Environmental	cultural, possible transplanting shock
2002.084	Park Co., WY	8/13/2002	Caragana	Insect	Spider mites & chronic stress
2002.089	Park Co., WY	9/9/2002	Caragana	Chemical	Herbicide injury
2002.105	Park Co., WY	10/x/2002	Spruce	Environmental	

EPPL ID	County/State	Date In	Host	Primary Diagnosis	Diagnosis/Recommendation
<b>Platte County</b>					
2002.020	Platte Co., WY	5/15/2002	Spruce	Environmental	Environmental stress (water stress, etc.)
2002.034	Platte Co., WY	unknown	Juniper	Environmental	Physical injury and environmental stress
2002.043 d	Platte Co., WY	unknown	Willow	Fungal	Perhaps Cytospora, but evidence of insects present as well
2002.047	Platte Co., WY	unknown	Spruce	Environmental	Perhaps environmental (water, heat, etc)
2002.099	Platte Co., WY	10/9/2002	Spruce	Fungal	Cytospora (presumptive) & mechanical

EPPL ID	County/State	Date In	Host	Primary Diagnosis	Diagnosis/Recommendation
<b>Sheridan County</b>					
2002.010	Sheridan Co, WY	4/16/2002	Geranium	Environmental	Root rot. Perhaps due to overwatering, cold injury, and salts
2002.033	Sheridan Co, WY	unknown	Ash	Chemical	Possible herbicide damage
2002.044	Sheridan Co, WY	unknown	Pepper	Environmental	Ethylene presence/air pollutant of some kind
2002.048	Sheridan Co, WY	7/11/2002	Spruce	Environmental	environmental/cultural (perhaps too much water)
2002.100	Sheridan Co, WY	unknown	Spruce	Insect	Spruce bud scale (presumptive)
2002.102	Sheridan Co, WY	10/21/2002	Potato	Environmental	Physiological - knobby growth due to environment

### Sublette County

None

EPPL ID	County/State	Date In	Host	Primary Diagnosis	Diagnosis/Recommendation
<b>Sweetwater County</b>					
2002.005	Sweetwater Co., WY	5/10/2002	Plant I.D.	Other	In the 'Evening primrose' family (Onagraceae)
2002.022	Sweetwater Co., WY	6/9/2002	Turf	Fungal	Primarily a thatch problem, some leafspot ( <i>Fusarium</i> ) present
2002.039 d	Sweetwater Co., WY	unknown	Ash	Environmental	Nutrient deficiency (Possible iron, magnesium and zinc)
2002.067	Sweetwater Co., WY	unknown	Plant I.D.	Other	<i>Tripterocalyx micranthus</i> (Smallflower sandverbena)
2002.106	Sweetwater Co., WY	unknown	Populus	Environmental	
2002.107	Sweetwater Co., WY	unknown	Acer	Environmental	
<b>Teton County</b>					
2002.037 d	Teton Co., WY	7/1/2002	Spruce	Environmental	Digital sample with insufficient information to make accurate diagnosis. Suggested possible problems.
2002.108	Teton Co., WY	Nov-02	Cottonwood	Fungal	Cytospora
2002.109	Teton Co., WY	Nov-02	Cottonwood	Fungal	Cytospora
2002.110	Teton Co., WY	Nov-02	Cottonwood	Fungal	Cytospora
2002.111	Teton Co., WY	Nov-02	Cottonwood	Fungal	Cytospora

EPPL ID	County/State	Date In	Host	Primary Diagnosis	Diagnosis/Recommendation
<b>Uinta County</b>					
2002.055	Uinta Co., WY	unknown	Crab apple	Insect	Blister mites
2002.073	Uinta Co., WY	8/8/2002	Aspen	Fungal	Cytospora (presumptive)
2002.078	Uinta Co., WY	8/8/2002	Cottonwood	Fungal	Shoot blight (Venturia)
2002.086	d Uinta Co., WY	8/28/2002	Box Elder	Environmental	Burl (not crown gall) - may be physiological
<b>Washakie County</b>					
None					
<b>Weston County</b>					
2002.002	Weston Co., WY	2/14/2002	Fig	Environmental	None - probable defoliation due to change of temperature & light
2002.004	Weston Co., WY	unknown	Plant I.D.	Other	Antennaria species ("cat's foot or pussy toes")
2002.090	Weston Co., WY	9/6/2002	Plant I.D.	Other	Echinochloa muricata var. microstachya
<b>Alaska</b>					
2002.001	ALASKA	1/28/2002	Potato	Environmental	None
2002.113	ALASKA	1-Nov	Potato	Bacterial	Pink Eye
2002.114	ALASKA	6/?/2002	Potato	Bacterial	Pink Eye

EPPL ID	County/State	Date In	Host	Primary Diagnosis	Diagnosis/Recommendation
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## California

None

## Colorado

2002.093	COLORADO	unknown	Pine	Fungal	Dothistroma Needle Blight
2002.116	COLORADO		Sugar Beet	Fungal	Field 9 (a,b)
2002.117	COLORADO		Sugar Beet	Fungal	Field 10 (a,b,d,f,e,g)
2002.118	COLORADO		Sugar Beet	Fungal	Field 11 (a,b)
2002.119	COLORADO		Sugar Beet	Fungal	Field 18(a,b,c,d,e,f)
2002.120	COLORADO		Sugar Beet	Fungal	Field 19(a,b,c)

## Michigan

None

## Montana

2002.098	MONTANA	10/7/2002	Bean	Bacterial	Bacterial Bean Blight
2002.121	MONTANA		Sugar Beet	Fungal	

EPPL ID	County/State	Date In	Host	Primary Diagnosis	Diagnosis/Recommendation
<b>Nebraska</b>					
2002.122	NEBRASKA	Sep-02	Sugar Beet	Fungal	Field 1 (a,c,d,e,f)
2002.123	NEBRASKA	Sep-02	Sugar Beet	Fungal	Field 2 (c,e,f,g)
2002.124	NEBRASKA	Sep-02	Sugar Beet	Fungal	Field 3 (a,b)
2002.125	NEBRASKA	Sep-02	Sugar Beet	Fungal	Field 4 (a,b,c)
2002.126	NEBRASKA	Sep-02	Sugar Beet	Fungal	Field 5 (a,b,c)
2002.127	NEBRASKA	Sep-02	Sugar Beet	Fungal	Field 6 (a)
2002.128	NEBRASKA	Sep-02	Sugar Beet	Fungal	Field 7 (a,b,d,e)
2002.129	NEBRASKA	Sep-02	Sugar Beet	Fungal	Field 8 (a,b,c,d)
2002.130	NEBRASKA	Sep-02	Sugar Beet	Fungal	Field 12 (a,b,c)
2002.131	NEBRASKA	Sep-02	Sugar Beet	Fungal	Field 13 (b,e,f,g)
2002.132	NEBRASKA	Sep-02	Sugar Beet	Fungal	Field 14 (a,c)
2002.133	NEBRASKA	Sep-02	Sugar Beet	Fungal	Field 15 (a,b,c,d,e)
2002.134	NEBRASKA	Sep-02	Sugar Beet	Fungal	Field 16 (a,b)
2002.135	NEBRASKA	Sep-02	Sugar Beet	Fungal	Field 17 (a,b,c)
2002.136	NEBRASKA	Sep-02	Sugar Beet	Fungal	Field 20 (a,b)
2002.137	NEBRASKA	Sep-02	Sugar Beet	Fungal	Field 21 (a,c,d)
2002.138	NEBRASKA	Sep-02	Sugar Beet	Fungal	Field 22 (a,b,c,d,e)
2002.139	NEBRASKA	Sep-02	Sugar Beet	Fungal	Field 23 (a,b,c,d)
2002.140	NEBRASKA	Sep-02	Sugar Beet	Fungal	Field 24 (a,b,c,d,e,m)
2002.141	NEBRASKA	Sep-02	Sugar Beet	Fungal	Field 26 (a,b)
2002.142	NEBRASKA	Sep-02	Sugar Beet	Fungal	Field 27 (a,b,c,d,e)
2002.143	NEBRASKA	Sep-02	Sugar Beet	Fungal	Field 28 (b,d,e,f,h,j)
2002.144	NEBRASKA	Sep-02	Sugar Beet	Fungal	Field 29 (a,b,d,e,f)
2002.145	NEBRASKA	Sep-02	Sugar Beet	Fungal	Field 30 (j,i)
2002.146	NEBRASKA	Sep-02	Sugar Beet	Fungal	Field 31 (a,b,c)
2002.147	NEBRASKA	Sep-02	Sugar Beet	Fungal	Field 32 (b,c,d)
2002.148	NEBRASKA	Sep-02	Sugar Beet	Fungal	Field 33 (a)
2002.087	NEBRASKA (SCOTTSBLUFF R&E)	Sep-02	Chickory	Environmental	Erwinia
2002.060	NEBRASKA (Sidney, NE)	7/29/2002	Corn	Environmental	Unknown - perhaps water, soil or nematode problem

EPPL ID	County/State	Date In	Cultivar/Variety	Primary Diagnosis	Diagnosis/Recommendation
<b>Washington</b>					
2002.036	WASHINGTON (Seattle, WA)	5/30/2002	Redbud tree	Fungal	Verticillium wilt questions via email

## Origin Not Recorded

2002.003	Unknown	3/29/2002	Potato	Environmental	No late blight detected
2002.071	Unknown	8/14/2002	Pine	Fungal	White Pine Blister Ruse (presumptive)
2002.075	Unknown	8/7/2002	Bean	Environmental	BBB not detected
2002.076	Unknown	8/2/2002	Bean	Environmental	Symptoms similar to halo blight(?)
2002.088	Unknown	unknown	Potato	Environmental	No nematodes detected - unknown
2002.094	unknown	Sep-02	Turf	Fungal	Drechslera (presumptive)

**Table 4: EPPL diagnostic samples by host for 2002**

County/State	EPPL ID	Date In	Primary Diagnosis	Diagnosis/Recommendation	Pathogen
<b>Acer</b>					
Sweetwater Co., WY	2002.107	unknown	Environmental		
<b>Apple</b>					
Carbon, Co., WY	2002.049	7/12/2002	Insect	Blister mites	n/a
Hot Springs Co., WY	2002.096	9/27/2002	Environmental	Zinc deficiency (per Kelli Beldon)	
<b>Ash</b>					
Sheridan Co, WY	2002.033	unknown	Chemical	Possible herbicide damage	None
Sweetwater Co., WY	2002.039	d unknown	Environmental	Nutrient deficiency (Possible iron, magnesium and zinc)	n/a
<b>Aspen</b>					
Hot Springs Co., WY	2002.065	d 7/30/2002	Environmental	Crowding and lack of sun	n/a
Uinta Co., WY	2002.073	8/8/2002	Fungal	Cytospora (presumptive)	
Bighorn Co., WY	2002.077	8/9/2002	Insect	Scale insect	
Campbell Co., WY	2002.079	8/13/2002	Fungal	Shoot blight (Venturia)	Venturia
<b>Basswood</b>					
Laramie Co., WY	2002.041	unknown	Environmental	None - perhaps some slight water deficiency	n/a

County/State	EPPL ID	Date In	Primary Diagnosis	Diagnosis/Recommendation	Pathogen
<b>Bean</b>					
Unknown	2002.075	8/7/2002	Environmental	BBB not detected	
Unknown	2002.076	8/2/2002	Environmental	Symptoms similar to halo blight(?)	
MONTANA	2002.098	10/7/2002	Bacterial	Bacterial Bean Blight	
<b>Bleeding Heart</b>					
Fremont Co., WY	2002.017	d 6/3/2002	Other	Perhaps viral	
<b>Box Elder</b>					
Uinta Co., WY	2002.086	d 8/28/2002	Environmental	Burl (not crown gall) - may be physiological	
<b>Burning Bush</b>					
Hot Springs Co. WY	2002.068	8/5/2002	Environmental	Insufficient sample	n/a
<b>Canada Thistle</b>					
Albany Co., WY	2002.092	Aug-02	Fungal	Rust on canada thistle	
<b>Caragana</b>					
Park Co., WY	2002.084	8/13/2002	Insect	Spider mites & chronic stress	
Park Co., WY	2002.089	9/9/2002	Chemical	Herbicide injury	
<b>Chicory</b>					
NEBRASKA (SCOTTSBLUFF R&E)	2002.087	Sep-02	Environmental	Erwinia	

County/State	EPPL ID	Date In	Primary Diagnosis	Diagnosis/Recommendation	Pathogen
<b>Chokecherry</b> Albany Co., WY	2002.042	unknown	Insect	Plum finger gall mite	n/a
<b>Corn</b> NEBRASKA (Sidney, NE)	2002.060	7/29/2002	Environmental	Unknown - perhaps water, soil or nematode problem	n/a
Albany, Co. WY	2002.104	10/25/2002	Environmental		
<b>Cottonwood</b> Fremont Co., WY	2002.032	6/14/2002	Chemical	Herbicide injury, (2-4-D, Dicamba, & Metsufurm)	None
Fremont Co., WY	2002.072	8/7/2002	Fungal	Cytospora (presumptive)	
Fremont Co., WY	2002.074	8/7/2002	Fungal	Most likely Cytospora	
Uinta Co., WY	2002.078	8/8/2002	Fungal	Shoot blight (Venturia)	Venturia
Teton Co., WY	2002.108	Nov-02	Fungal	Cytospora	
Teton Co., WY	2002.109	Nov-02	Fungal	Cytospora	
Teton Co., WY	2002.110	Nov-02	Fungal	Cytospora	
Teton Co., WY	2002.111	Nov-02	Fungal	Cytospora	
<b>Crab Apple</b> Uinta Co., WY	2002.055	unknown	Insect	Blister mites	n/a
<b>Evergreen</b> Park Co., WY	2002.059	7/26/2002	Environmental	Perhaps environmental stress/cultural	n/a

County/State	EPPL ID	Date In	Primary Diagnosis	Diagnosis/Recommendation	Pathogen
<b>Fig</b> Weston Co., WY	2002.002	2/14/2002	Environmental	None - probable defoliation due to change of temperature & light	None
<b>Fungal I.D.</b>					
Campbell Co., WY	2002.011	6/4/2002	Other	Mushroom - sent to S. Miller for I.D. Fungi was in crawl space of home	Unknown
Natrona Co., WY	2002.014	d	6/5/2002	Leucocoprinus sp.	None
Bighorn Co., WY	2002.029		1/16/2002	Psilocybe (most likely P. cubensis)	
Campbell Co., WY	2002.031		6/20/2002	Not able to identify, insufficient sample	Unknown
Natrona, Co., WY	2002.040	d	unknown	Giant puffball	n/a
<b>Geranium</b>					
Sheridan Co, WY	2002.010		4/16/2002	Environmental	Root rot. Perhaps due to overwatering, cold injury, and salts
<b>Hedge</b>					
Park Co., WY	2002.054		7/15/2002	Environmental	environmental (drought, heat or nutritional)
<b>Iris</b>					
Hot Springs Co. WY	2002.035		unknown	Environmental	Possible leaf scorch due to environmental conditions

County/State	EPPL ID	Date In	Primary Diagnosis	Diagnosis/Recommendation	Pathogen
<b>Juniper</b>					
Natrona, Co., WY	2002.021	6/10/2002	Environmental	None - no cause determined	None
Platte Co., WY	2002.034	unknown	Environmental	Physical injury and environmental stress	None
<b>Lady Slipper &amp; Japanese Evergreen</b>					
Park Co., WY	2002.066	7/26/2002	Environmental	cultural, possible transplanting shock	n/a
<b>Lilac</b>					
Campbell Co., WY	2002.050	7/15/2002	Environmental	Unknown	n/a
Campbell Co., WY	2002.052	7/15/2002	Chemical	perhaps herbicide exposure	n/a
Bighorn Co., WY	2002.081	8/13/2002	Environmental	Drought and/or herbicide	
<b>Locust</b>					
Hot Springs Co. WY	2002.062	d	7/30/2002	Environmental	Made various suggestions for the extension educator to investigate
<b>Pepper</b>					
Sheridan Co, WY	2002.044	unknown	Environmental	Ethylene presence/air pollutant of some kind	n/a
Campbell Co., WY	2002.082	d	8/13/2002	Insect	Possibly insect & Erwinia infection

County/State	EPPL ID	Date In	Primary Diagnosis	Diagnosis/Recommendation	Pathogen
<b>Pine</b>					
Park Co., WY	2002.008	d 5/24/2002	Environmental	Perhaps winter bronzing (desicaation)	None
Lincoln Co., WY	2002.012	6/4/2002	Environmental	Perhaps winter desication	None
Albany Co., WY	2002.018	d 6/5/2002	Other	Sapsucker (bird) injury	None
Park Co., WY	2002.058	7/22/2002	Insect	Mites and white spots, environmental stress	n/a
(Field visit)	2002.071	8/14/2002	Fungal	White Pine Blister Ruse (presumptive)	
COLORADO	2002.093	unknown	Fungal	Dothistroma Needle Blight	Mycosphaerella pini (sexual stage)
Lincoln, Co, WY	2002.103	10/23/2002	Environmental		
<b>Plant ID</b>					
Weston Co., WY	2002.004	unknown	Other	Antennaria species ("cat's foot or pussy toes")	n/a
Sweetwater Co., WY	2002.067	unknown	Other	Tripterocalyx micranthus (Smallflower sandverbena)	n/a
Weston Co., WY	2002.090	9/6/2002	Other	Echinochloa muricata var. microstachya	
Sweetwater Co., WY	2002.005	5/10/2002	Other	In the 'Evening primrose' family (Onagraceae)	n/a
<b>Poplar</b>					
Sweetwater Co., WY	2002.106	unknown	Environmental		

County/State	EPPL ID	Date In	Primary Diagnosis	Diagnosis/Recommendation	Pathogen
<b>Potato</b>					
ALASKA	2002.001	1/28/2002	Environmental	None	None
Unknown	2002.003	3/29/2002	Environmental	No late blight detected	None
Hot Springs Co. WY	2002.069	8/5/2002	Chemical	Possible herbicide damage	n/a
Campbell Co., WY	2002.080	d	8/13/2002	Insect	Flea beetle
IDAHO	2002.088	unknown	Environmental	No nematodes detected - unknown	
Sheridan Co, WY	2002.102	10/21/2002	Environmental	Physiological - knobby growth due to environment	
ALASKA	2002.113	1-Nov	Bacterial	Pink Eye	
ALASKA	2002.114	6/?/2002	Bacterial	Pink Eye	
Laramie Co., WY	2002.097	unknown	Fungal	black dot (presumptive)	
<b>Redbud Tree</b>					
WASHINGTON (Seattle, WA)	2002.036	5/30/2002	Fungal	Verticillium wilt questions via email	n/a
<b>Spruce</b>					
Lincoln Co., WY	2002.013	6/4/2002	Environmental	Perhaps lack of water	None
Park Co., WY	2002.019	5/12/2002	Environmental	Possible drought or winter stress	None
Platte Co., WY	2002.020	5/15/2002	Environmental	Environmental stress (water stress, etc.)	None
Campbell Co., WY	2002.023	d	6/14/2002	Environmental	Environmental stress most probable
Natrona Co., WY	2002.024	d	6/14/2002	Fungal	Spruce broom rust
Campbell Co., WY	2002.025	6/13/2002	Environmental	Environmental	None
Campbell Co., WY	2002.026	6/13/2002	Environmental	Environmental	None
County/State	EPPL ID	Date In	Primary Diagnosis	Diagnosis/Recommendation	Pathogen
Albany Co., WY	2002.030	6/20/2002	Environmental	Most likely environmental stress	None

Teton Co., WY	2002.037	d	7/1/2002	Environmental	Digital sample with insufficient information to make accurate diagnosis. Suggested possible problems.	n/a
Platte Co., WY	2002.047		unknown	Environmental	Perhaps environmental (water, heat, etc)	n/a
Sheridan Co, WY	2002.048		7/11/2002	Environmental	environmental/cultural (perhaps too much water)	n/a
Carbon, Co., WY	2002.051		7/15/2002	Insect	Web-spinning sawflies	n/a
Albany Co., WY	2002.061		7/30/2002	Insect	Pine Needle Scale	n/a
Hot Springs Co. WY	2002.063	d	7/30/2002	Insect	Scale, mites, chronic stress	n/a
Hot Springs Co. WY	2002.064	d	7/30/2002	Insect	Scale, mites, chronic stress	n/a
Albany, Co. WY	2002.095		9/23/2002	Insect	Pine Needle Scale	
Platte Co., WY	2002.099		10/9/2002	Fungal	Cytospora (presumptive) & mechanical	
Sheridan Co, WY	2002.100		unknown	Insect	Spruce bud scale (presumptive)	
Campbell Co., WY	2002.101		9/9/2002	Insect	Scale (insect)	
Park Co., WY	2002.105		10/x/2002	Environmental		
Albany Co. WY	2002.112		11/5/2002	Environmental	Root damage due to overwatering and soil compaction	

## Sugar Beet

Goshen Co., WY	2002.115	Fungal		Cercospora beticola
COLORADO	2002.116	Fungal	Field 9 (a,b)	Cercospora beticola

County/State	EPPL ID	Date In	Primary Diagnosis	Diagnosis/Recommendation	Pathogen
COLORADO	2002.117		Fungal	Field 10 (a,b,d,f,e,g)	<i>Cercospora beticola</i>
COLORADO	2002.118		Fungal	Field 11 (a,b)	<i>Cercospora beticola</i>
NEBRASKA	2002.122	Sep-02	Fungal	Field 1 (a,c,d,e,f)	<i>Cercospora beticola</i>
NEBRASKA	2002.123	Sep-02	Fungal	Field 2 (c,e,f,g)	<i>Cercospora beticola</i>
NEBRASKA	2002.124	Sep-02	Fungal	Field 3 (a,b)	<i>Cercospora beticola</i>
NEBRASKA	2002.125	Sep-02	Fungal	Field 4 (a,b,c)	<i>Cercospora beticola</i>
NEBRASKA	2002.126	Sep-02	Fungal	Field 5 (a,b,c)	<i>Cercospora beticola</i>
NEBRASKA	2002.127	Sep-02	Fungal	Field 6 (a)	<i>Cercospora beticola</i>
NEBRASKA	2002.128	Sep-02	Fungal	Field 7 (a,b,d,e)	<i>Cercospora beticola</i>
NEBRASKA	2002.129	Sep-02	Fungal	Field 8 (a,b,c,d)	<i>Cercospora beticola</i>
NEBRASKA	2002.130	Sep-02	Fungal	Field 12 (a,b,c)	<i>Cercospora beticola</i>
NEBRASKA	2002.131	Sep-02	Fungal	Field 13 (b,e,f,g)	<i>Cercospora beticola</i>
NEBRASKA	2002.132	Sep-02	Fungal	Field 14 (a,c)	<i>Cercospora beticola</i>
NEBRASKA	2002.133	Sep-02	Fungal	Field 15 (a,b,c,d,e)	<i>Cercospora beticola</i>
County/State	EPPL ID	Date In	Primary Diagnosis	Diagnosis/Recommendation	Pathogen
NEBRASKA	2002.134	Sep-02	Fungal	Field 16 (a,b)	<i>Cercospora beticola</i>
NEBRASKA	2002.135	Sep-02	Fungal	Field 17 (a,b,c)	<i>Cercospora beticola</i>

NEBRASKA	2002.136	Sep-02	Fungal	Field 20 (a,b)	Cercospora beticola
NEBRASKA	2002.137	Sep-02	Fungal	Field 21 (a,c,d)	Cercospora beticola
NEBRASKA	2002.138	Sep-02	Fungal	Field 22 (a,b,c,d,e)	Cercospora beticola
NEBRASKA	2002.139	Sep-02	Fungal	Field 23 (a,b,c,d)	Cercospora beticola
NEBRASKA	2002.140	Sep-02	Fungal	Field 24 (a,b,c,d,e,m)	Cercospora beticola
NEBRASKA	2002.141	Sep-02	Fungal	Field 26 (a,b)	Cercospora beticola
NEBRASKA	2002.142	Sep-02	Fungal	Field 27 (a,b,c,d,e)	Cercospora beticola
NEBRASKA	2002.143	Sep-02	Fungal	Field 28 (b,d,e,f,h,j)	Cercospora beticola
NEBRASKA	2002.144	Sep-02	Fungal	Field 29 (a,b,d,e,f)	Cercospora beticola
NEBRASKA	2002.145	Sep-02	Fungal	Field 30 (j,i)	Cercospora beticola
NEBRASKA	2002.146	Sep-02	Fungal	Field 31 (a,b,c)	Cercospora beticola
NEBRASKA	2002.147	Sep-02	Fungal	Field 32 (b,c,d)	Cercospora beticola
NEBRASKA	2002.148	Sep-02	Fungal	Field 33 (a)	Cercospora beticola

County/State	EPPL ID	Date In	Primary Diagnosis	Diagnosis/Recommendation	Pathogen
<b>Tomato</b>					
Laramie Co., WY	2002.015	6/4/2002	Environmental	Catface on fruit, probable edema on stems	None
Park Co., WY	2002.057	unknown	Environmental	Sample in poor condition. Perhaps cultural or viral.	n/a
Campbell Co., WY	2002.070	d	unknown	Fungal Looks like early blight, but asked to send a better sample	
Campbell Co., WY	2002.083	7/25/2002	Chemical	Possibly herbicide	
Johnson Co., WY	2002.091	Aug-02	Virus	Virus, perhaps tomato spotted wilt virus	
<b>Trees (unidentified)</b>					
Campbell Co., WY	2002.046	d	7/12/2002	Environmental Most likely nutrient deficiency	n/a
<b>Turf</b>					
Park Co., WY	2002.006	a	unknown	Environmental None - asked to resubmit sample if problem persists	None
Park Co., WY	2002.006	b	unknown	Environmental None - suggested submitting soil sample to Kelli Belden	None
Campbell Co., WY	2002.007	5/17/2002	Environmental	None - asked to resubmit sample if problem persists	None
Park Co., WY	2002.009	5/1/2002	Environmental		
Sweetwater Co., WY	2002.022	6/9/2002	Fungal	Primarily a thatch problem, some leafspot ( <i>Fusarium</i> ) present	None
Park Co., WY	2002.027	6/13/2002	Environmental	Excessive thatch	
Park Co., WY	2002.028	6/3/2002	Environmental	Excessive thatch & Antracnose	Colletotrichum
Campbell Co., WY	2002.038	unknown	Fungal	Some fungi present: Bipolaris-type fungi, Alternarias, Colletotrichum, Ascochyta. Suggested better cultural practices.	n/a

<b>County/State</b>	<b>EPPL ID</b>	<b>Date In</b>	<b>Primary Diagnosis</b>	<b>Diagnosis/Recommendation</b>	<b>Pathogen</b>
Natrona, Co., WY	2002.045	d 7/4/2002	Environmental	Algae. Water management unknow - requested more information/photo of site	n/a
Goshen Co., WY	2002.053	7/11/2002	Environmental		n/a
Park Co., WY	2002.056	7/17/2002	Fungal	Some Ascochyta, Drechslera, as well as environmental (watering technique and dull mower blades)	n/a
unknown	2002.094	Sep-02	Fungal	Drechslera (presumptive)	

### **Wheat**

Goshen Co., WY	2002.016	5/10/2002	Environmental	No frost damage apparent	None
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### **Willow**

Platte Co., WY	2002.043	d unknown	Fungal	Perhaps Cytospora, but evidence of insects present as well	n/a
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**Table 5. EPPL Field Crop Samples 2002**

EPPL ID	County/State	Date In	Cultivar/Variety	Primary Diagnosis	Diagnosis/Recommendation
<b>Bean</b>					
2002.075	Unknown	8/7/2002	Pinto bean	Environmental	BBB not detected
2002.076	Unknown	8/2/2002	Pinto bean	Environmental	Symptoms similar to halo blight(?)
2002.098	MONTANA	10/7/2002	Pintoba	Bacterial	Bacterial Bean Blight
<b>Corn</b>					
2002.060	NEBRASKA (Sidney, NE)	7/29/2002	Pioneer	Environmental	Unknown - perhaps water, soil or nematode problem
<b>Potato</b>					
2002.001	ALASKA	1/28/2002	n/a	Environmental	None
2002.003	Unknown	3/29/2002	Russet Norkotah	Environmental	No late blight detected
2002.088	IDAHO	unknown	n/a	Environmental	No nematodes detected - unknown
2002.113	ALASKA	1-Nov	unknown	Bacterial	Pink Eye
2002.097	Laramie Co., WY	unknown	Russet Norkotah	Fungal	black dot (presumptive)
<b>Wheat</b>					
2002.016	Goshen Co., WY	5/10/2002	Winter wheat	Environmental	No frost damage apparent

**Table 6. EPPL tree and shrub samples 2002**

EPPL ID	County/State	Date In	Cultivar/Variety	Primary Diagnosis	Diagnosis/Recommendation
<b>Acer</b>					
2002.107	Sweetwater Co., WY	unknown		Environmental	
<b>Apple Tree</b>					
2002.049	Carbon, Co., WY	7/12/2002	Apple tree	Insect	Blister mites
2002.096	Hot Springs Co., WY	9/27/2002	unknown	Environmental	Zinc deficiency (per Kelli Beldon)
<b>Ash</b>					
2002.033	Sheridan Co, WY	unknown	Green Ash	Chemical	Possible herbicide damage
2002.039 d	Sweetwater Co., WY	unknown	Green Ash	Environmental	Nutrient deficiency (Possible iron, magnesium and zinc)
<b>Aspen</b>					
2002.065 d	Hot Springs Co. WY	7/30/2002	unknown	Environmental	Crowding and lack of sun
2002.073	Uinta Co., WY	8/8/2002	unknown	Fungal	Cytopora (presumptive)
2002.077	Bighorn Co., WY	8/9/2002	unknown	Insect	Scale insect
2002.079	Campbell Co., WY	8/13/2002	unknown	Fungal	Shoot blight (Venturia)
<b>Basswood</b>					
2002.041	Laramie Co., WY	unknown	American cinder	Environmental	None - perhaps some slight water deficiency
<b>Burning Bush</b>					
2002.068	Hot Springs Co. WY	8/5/2002	n/a	Environmental	Insufficient sample

<b>EPPL ID</b>	<b>County/State</b>	<b>Date In</b>	<b>Cultivar/Variety</b>	<b>Primary Diagnosis</b>	<b>Diagnosis/Recommendation</b>
<b>Chokecherry</b>					
2002.042	Albany Co., WY	unknown	Prunus sp.	Insect	Plum finger gall mite
<b>Cottonwood</b>					
2002.032	Fremont Co., WY	6/14/2002	unknown	Chemical	Herbicide injury, (2-4-D, Dicamba, & Metsulfurm)
2002.072	Fremont Co., WY	8/7/2002	unknown	Fungal	Cytospora (presumptive)
2002.074	Fremont Co., WY	8/7/2002	unknown	Fungal	Most likely Cytospora
2002.078	Uinta Co., WY	8/8/2002	unknown	Fungal	Shoot blight (Venturia)
2002.108	Teton Co., WY	Nov-02	unknown	Fungal	Cytospora
2002.109	Teton Co., WY	Nov-02	unknown	Fungal	Cytospora
2002.110	Teton Co., WY	Nov-02	unknown	Fungal	Cytospora
2002.111	Teton Co., WY	Nov-02	unknown	Fungal	Cytospora
<b>Crab Apple</b>					
2002.055	Uinta Co., WY	unknown	unknown	Insect	Blister mites
<b>Evergreen</b>					
2002.059	Park Co., WY	7/26/2002	Japanese evergreen & Ladyslipper	Environmental	Perhaps environmental stress/cultural

<b>EPPL ID</b>	<b>County/State</b>	<b>Date In</b>	<b>Cultivar/Variety</b>	<b>Primary Diagnosis</b>	<b>Diagnosis/Recommendation</b>
<b>Hedge</b>					
2002.054	Park Co., WY	7/15/2002	unknown	Environmental	environmental (drought, heat or nutritional)
<b>Juniper</b>					
2002.021	Natrona, Co., WY	6/10/2002	creeping and golden juniper	Environmental	None - no cause determined
2002.034	Platte Co., WY	unknown	unknown	Environmental	Physical injury and environmental stress
<b>Lilac</b>					
2002.050	Campbell Co., WY	7/15/2002	unknown	Environmental	Unknown
2002.052	Campbell Co., WY	7/15/2002	unknown	Chemical	perhaps herbicide exposure
2002.081	Bighorn Co., WY	8/13/2002	unknown	Environmental	Drought and/or herbicide
<b>Locust</b>					
2002.062	d Hot Springs Co. WY	7/30/2002	unknown	Environmental	Made various suggestions for the extension educator to investigate
<b>Pine</b>					
2002.008	d Park Co., WY	5/24/2002	Austrian pine	Environmental	Perhaps winter bronzing (desiccation)
2002.012	Lincoln Co., WY	6/4/2002	Ponderosa (?)	Environmental	Perhaps winter desiccation
2002.018	d Albany Co., WY	6/5/2002	unknown	Other	Sapsucker (bird) injury
2002.058	Park Co., WY	7/22/2002	Ponderosa Pine	Insect	Mites and white spots, environmental stress
2002.071	(Field visit)	8/14/2002	Limber Pine	Fungal	White Pine Blister Rust (presumptive)
2002.103	Lincoln, Co, WY	10/23/2002		Environmental	

EPPL ID	County/State	Date In	Cultivar/Variety	Primary Diagnosis	Diagnosis/Recommendation
<b>Poplar</b>					
2002.106	Sweetwater Co., WY	unknown		Environmental	
<b>Redbud tree</b>					
2002.036	WASHINGTON (Seattle, WA)	5/30/2002	unknown	Fungal	Verticillium wilt questions via email
<b>Spruce</b>					
2002.013	Lincoln Co., WY	6/4/2002	Blue spruce	Environmental	Perhaps lack of water
2002.019	Park Co., WY	5/12/2002	unknown	Environmental	Possible drought or winter stress
2002.020	Platte Co., WY	5/15/2002	unknown	Environmental	Environmental stress (water stress, etc.)
2002.023	d Campbell Co., WY	6/14/2002	Colorado Blue Spruce	Environmental	Environmental stress most probable
2002.024	d Natrona Co., WY	6/14/2002	unknown	Fungal	Spruce broom rust
2002.025	Campbell Co., WY	6/13/2002	Blue spruce	Environmental	
2002.026	Campbell Co., WY	6/13/2002	Blue spruce	Environmental	
2002.030	Albany Co., WY	6/20/2002	unknown	Environmental	Most likely environmental stress
2002.037	d Teton Co., WY	7/1/2002	unknown	Environmental	Digital sample with insufficient information to make accurate diagnosis. Suggested possible problems.
2002.047	Platte Co., WY	unknown	Spruce	Environmental	Perhaps environmental (water, heat, etc)
2002.048	Sheridan Co, WY	7/11/2002	Spruce	Environmental	environmental/cultural (perhaps too much water)
2002.051	Carbon, Co., WY	7/15/2002	Blue spruce	Insect	Web-spinning sawflies
2002.061	Albany Co., WY	7/30/2002	unknown	Insect	Pine Needle Scale
2002.063	d Hot Springs Co. WY	7/30/2002	unknown	Insect	Scale, mites, chronic stress

<b>EPPL ID</b>	<b>County/State</b>	<b>Date In</b>	<b>Cultivar/Variety</b>	<b>Primary Diagnosis</b>	<b>Diagnosis/Recommendation</b>
2002.064	d Hot Springs Co. WY	7/30/2002	unknown	Insect	Scale, mites, chronic stress
2002.095	Albany, Co. WY	9/23/2002	unknown	Insect	Pine Needle Scale
2002.099	Platte Co., WY	10/9/2002	Blue spruce	Fungal	Cytospora (presumptive) & mechanical
2002.100	Sheridan Co, WY	unknown	Unknown	Insect	Spruce bud scale (presumptive)
2002.101	Campbell Co., WY	9/9/2002	unknown	Insect	Scale (insect)
2002.105	Park Co., WY	10/x/2002		Environmental	
2002.112	Albany Co. WY	11/5/2002	unknown	Environmental	Root damage due to overwatering and soil compaction

### Trees

2002.046	d Campbell Co., WY	7/12/2002	Russian olive, elm and poplar trees	Environmental	Most likely nutrient deficiency
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### Willow

2002.043	d Platte Co., WY	unknown	Golden willow	Fungal	Perhaps Cytospora, but evidence of insects present as well
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**Table 7. EPPL home and garden samples 2002**

EPPL ID	County/State	Date In	Cultivar/Variety	Primary Diagnosis	Diagnosis/Recommendation
<b>Bleeding Heart</b>					
2002.017	d Fremont Co., WY	6/3/2002		Other	Perhaps viral
<b>Box Elder</b>					
2002.086	d Uinta Co., WY	8/28/2002	unknown	Environmental	Burl (not crown gall) - may be physiological
<b>Caragana</b>					
2002.084	Park Co., WY	8/13/2002	unknown	Insect	Spider mites & chronic stress
2002.089	Park Co., WY	9/9/2002	unknown	Chemical	Herbicide injury
<b>Corn &amp; Bean</b>					
2002.104	Albany, Co. WY	10/25/2002		Environmental	
<b>Fig</b>					
2002.002	Weston Co., WY	2/14/2002	Fiddle leaf fig (Ficus)	Environmental	None - probable defoliation due to change of temperature & light
<b>Geranium</b>					
2002.010	Sheridan Co, WY	4/16/2002	yours truly, aurora, pink x2, patriot watermelon	Environmental	Root rot. Perhaps due to overwatering, cold injury, and salts

<b>EPPL ID</b>	<b>County/State</b>	<b>Date In</b>	<b>Cultivar/Variety</b>	<b>Primary Diagnosis</b>	<b>Diagnosis/Recommendation</b>
<b>Iris</b>					
2002.035	Hot Springs Co. WY	unknown	unknown	Environmental	Possible leaf scorch due to environmental conditions
<b>Lady Slipper &amp; Japanese Evergreen</b>					
2002.066	Park Co., WY	7/26/2002	unknown	Environmental	cultural, possible transplanting shock
<b>Pepper</b>					
2002.044	Sheridan Co, WY	unknown	(greenhouse)	Environmental	Ethylene presence/air pollutant of some kind
2002.082	d Campbell Co., WY	8/13/2002	unknown	Insect	Possibly insect & Erwinia infection
<b>Potato</b>					
2002.069	Hot Springs Co. WY	8/5/2002	unknown	Chemical	Possible herbicide damage
2002.080	d Campbell Co., WY	8/13/2002	unknown	Insect	Flea beetle
2002.102	Sheridan Co, WY	10/21/2002	unknown	Environmental	Physiological - knobby growth due to environment
<b>Tomato</b>					
2002.015	Laramie Co., WY	6/4/2002	unknown	Environmental	Catface on fruit, probable edema on stems
2002.057	Park Co., WY	unknown		Environmental	Sample in poor condition. Perhaps cultural or viral.
2002.070	d Campbell Co., WY	unknown	unknown	Fungal	Looks like early blight, but asked to send a better sample
2002.083	Campbell Co., WY	7/25/2002	unknown	Chemical	Possibly herbicide
2002.091	Johnson Co., WY	Aug-02	unknown	Virus	Virus, perhaps tomato spotted wilt virus

**Table 8. EPPL turf samples 2002**

EPPL ID	County/State	Date In	Cultivar/Variety	Primary Diagnosis	Diagnosis/Recommendation
<b>Turf</b>					
2002.006	a Park Co., WY	unknown	Kentucky blue grass	Environmental	None - asked to resubmit sample if problem persists
2002.006	b Park Co., WY	unknown	Kentucky blue grass	Environmental	None - suggested submitting soil sample to Kelli Belden
2002.007	Campbell Co., WY	5/17/2002	Bluegrass	Environmental	None - asked to resubmit sample if problem persists
2002.009	Park Co., WY	5/1/2002		Environmental	
2002.022	Sweetwater Co., WY	6/9/2002	Kentucky blue grass	Fungal	Primarily a thatch problem, some leafspot ( <i>Fusarium</i> ) present
2002.027	Park Co., WY	6/13/2002	Turf	Environmental	Excessive thatch
2002.028	Park Co., WY	6/3/2002	Turf	Environmental	Excessive thatch & Antracnose
2002.038	Campbell Co., WY	unknown	Kentucky blue grass	Fungal	Some fungi present: Bipolaris-type fungi, Alternarias, <i>Colletotrichum</i> , Ascochyta. Suggested better cultural practices.
2002.045	d Natrona, Co., WY	7/4/2002	unknown	Environmental	Algae. Water management
2002.053	Goshen Co., WY	7/11/2002	Bluegrass	Environmental	unknow - requested more information/photo of site
2002.056	Park Co., WY	7/17/2002	Kentucky blue grass	Fungal	Some Ascochyta, <i>Drechslera</i> , as well as environmental (watering technique and dull mower blades)
2002.094	unknown	Sep-02	unknown	Fungal	<i>Drechslera</i> (presumptive)

## Table 9. EPPL non-plant and plant identification samples 2002

EPPL ID	County/State	Date In	Cultivar/Variety	Primary Diagnosis	Diagnosis/Recommendation
2002.011	Campbell Co., WY	6/4/2002	n/a	Other	Mushroom - sent to S. Miller for I.D. Fungi was in crawl space of home
2002.014	d Natrona Co., WY	6/5/2002	n/a	Fungal	Leucocoprinus sp.
2002.029	Bighorn Co., WY	1/16/2002	Mushroom	Other	Psilocybe (most likely <i>P. cubensis</i> )
2002.031	Campbell Co., WY	6/20/2002		Environmental	Not able to identify, insufficient sample
2002.040	d Natrona, Co., WY	unknown	Mushroom	Other	Giant puffball
2002.004	Weston Co., WY	unknown	n/a	Other	Antennaria species ("cat's foot or pussy toes")
2002.067	Sweetwater Co., WY	unknown	n/a	Other	<i>Tripterocalyx micranthus</i> (Smallflower sandverbena)
2002.090	Weston Co., WY	9/6/2002	n/a	Other	<i>Echinochloa muricata</i> var. <i>microstachya</i>
2002.005	Sweetwater Co., WY	5/10/2002	n/a	Other	In the 'Evening primrose' family (Onagraceae)

## Table 10. EPPL high plains regional Cercospora survey 2002

### Cercospora Leaf Spot Survey (sample numbers 2002.115 through 2002.148)

A survey is being conducted in Wyoming and neighboring states to determine fungicide sensitivity of the fungus *Cercospora beticola*, the causal agent of Cercospora leaf spot of sugar beet. This disease is causing economic loss in the High Plains. Therefore, surveys include infected sugar beet leaf samples recovered from growers' fields in Colorado, Montana, Nebraska, and Wyoming. Diagnostic results are being used to limit fungicide usage to those products that are most effective in each particular production area. Samples submitted during 2002 for this survey are listed as numbers 2002.115 through 2002.148. For additional information on survey results, contact Dr. Gary Franc, at (307) 766-2397 ([francg@uwyo.edu](mailto:francg@uwyo.edu)). Previous survey results were published in the Journal of Sugar Beet Research. The references are as follows:

1. Fungicide sensitivity characteristics of *Cercospora beticola* isolates recovered from the High Plains of Colorado, Montana, Nebraska, and Wyoming. 1. Benzimidazole and Triphenyltin Hydroxide. S. C. Briere, G. D. Franc, and E. D. Kerr. J. Sugar Beet Res. vol 38:111-120.
2. Fungicide Sensitivity Characteristics of *Cercospora beticola* Isolates Recovered from the High Plains of Colorado, Montana, Nebraska, and Wyoming. 2. Mancozeb, Propiconazole, and Azoxystrobin. S.C. Briere, G.D. Franc, and E.D. Kerr. J. Sugar Beet Res. Vol 40:53-65.

County/State	EPPL ID	Date In	Sample ID and Number of Isolates Recovered
Goshen Co., WY	2002.115	Sep-02	Cercosp survey - (GF field plots)
COLORADO	2002.116	Sep-02	Field 9 (a,b)
COLORADO	2002.117	Sep-02	Field 10 (a,b,d,f,e,g)
COLORADO	2002.118	Sep-02	Field 11 (a,b)
COLORADO	2002.119	Sep-02	Field 18(a,b,c,d,e,f)
COLORADO	2002.120	Sep-02	Field 19(a,b,c)
MONTANA	2002.121	Sep-02	
NEBRASKA	2002.122	Sep-02	Field 1 (a,c,d,e,f)
NEBRASKA	2002.123	Sep-02	Field 2 (c,e,f,g)
NEBRASKA	2002.124	Sep-02	Field 3 (a,b)
NEBRASKA	2002.125	Sep-02	Field 4 (a,b,c)
NEBRASKA	2002.126	Sep-02	Field 5 (a,b,c)
NEBRASKA	2002.127	Sep-02	Field 6 (a)
NEBRASKA	2002.128	Sep-02	Field 7 (a,b,d,e)

NEBRASKA	2002.129	Sep-02	Field 8 (a,b,c,d)
NEBRASKA	2002.130	Sep-02	Field 12 (a,b,c)
NEBRASKA	2002.131	Sep-02	Field 13 (b,e,f,g)
NEBRASKA	2002.132	Sep-02	Field 14 (a,c)
NEBRASKA	2002.133	Sep-02	Field 15 (a,b,c,d,e)
NEBRASKA	2002.134	Sep-02	Field 16 (a,b)
NEBRASKA	2002.135	Sep-02	Field 17 (a,b,c)
NEBRASKA	2002.136	Sep-02	Field 20 (a,b)
NEBRASKA	2002.137	Sep-02	Field 21 (a,c,d)
NEBRASKA	2002.138	Sep-02	Field 22 (a,b,c,d,e)
NEBRASKA	2002.139	Sep-02	Field 23 (a,b,c,d)
NEBRASKA	2002.140	Sep-02	Field 24 (a,b,c,d,e,m)
NEBRASKA	2002.141	Sep-02	Field 26 (a,b)
NEBRASKA	2002.142	Sep-02	Field 27 (a,b,c,d,e)
NEBRASKA	2002.143	Sep-02	Field 28 (b,d,e,f,h,j)
NEBRASKA	2002.144	Sep-02	Field 29 (a,b,d,e,f)
NEBRASKA	2002.145	Sep-02	Field 30 (j,i)
NEBRASKA	2002.146	Sep-02	Field 31 (a,b,c)
NEBRASKA	2002.147	Sep-02	Field 32 (b,c,d)
NEBRASKA	2002.148	Sep-02	Field 33 (a)

## **EPPL 2002 Report Survey Questionnaire**

We are always striving to provide the best service to our EPPL clientele. We would appreciate any comments or suggestions that would help us improve this report in the next revision. Use the space provided below to write your comments. Please photocopy this page and mail it to the address shown below. Thank you.

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**Please mail to:**

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