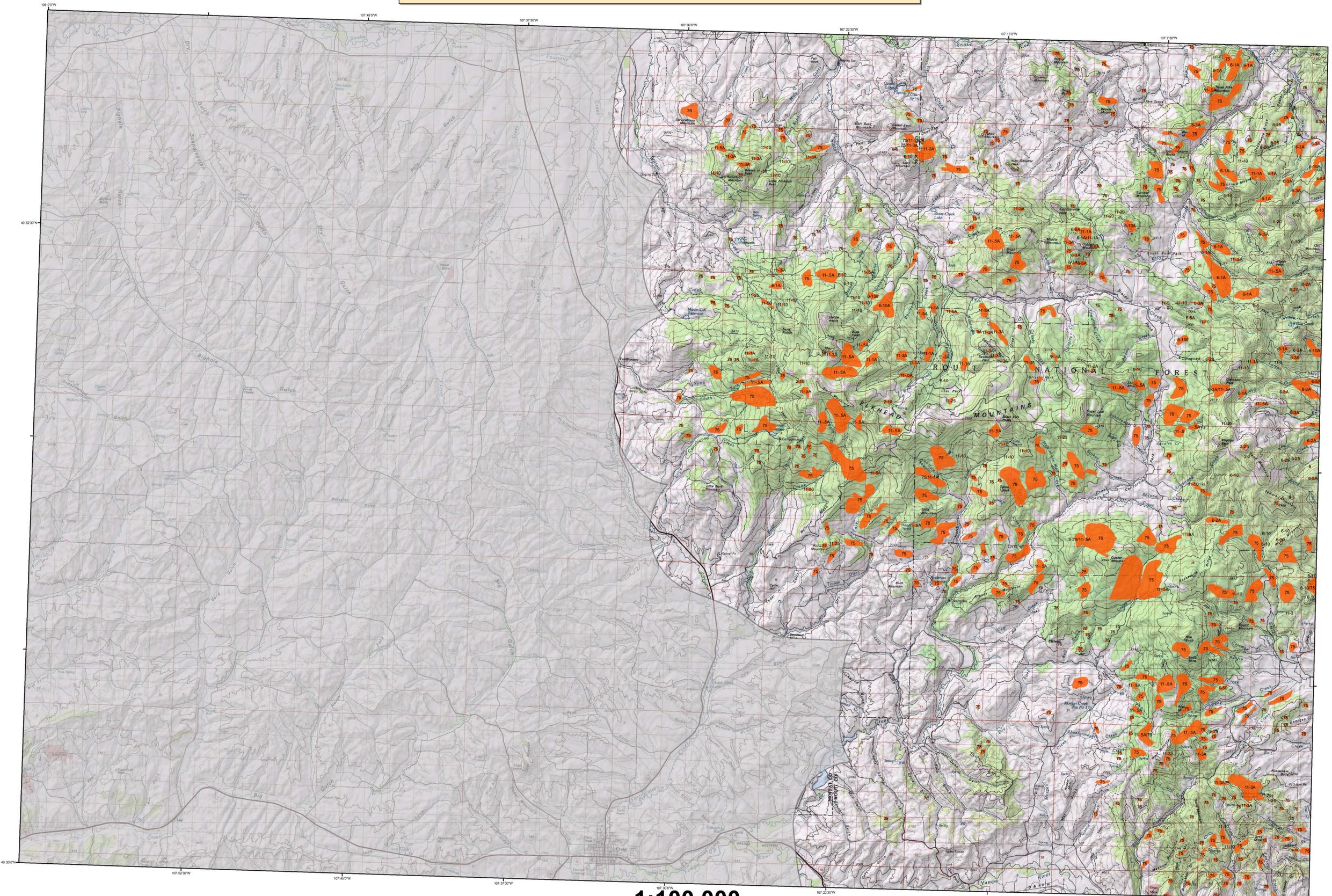


2006 Aerial Insect and Disease Survey Craig, Colorado USGS 100K DRG: 40107-E1



1:100,000

Legend

Use of the Number System
Example: 5-25 = The first number before the dash is the causal agent code. The number after the dash is the number of dead "ladder" trees in the polygon or point. When recent dead trees are not counted, an intensity code of 1 (light), 10 (moderate), and 100 (high) may be used after the causal agent code. Periodically, trees per acre estimates are used after the causal agent code instead of number of dead "ladder" trees (or an intensity code). For example: 5-12A = The first number before the dash is the causal agent code. The number after the dash is an estimation of the number of dead "ladder" trees in the polygon per acre. In this case it would be an estimation that, on the average, one tree per every two acres would be a dead "ladder" tree. In another example: 5-3A = that on the average, an estimated three trees per acre are dead "ladder" trees. A "." is used as a separator when a point/polygon has more than one causal agent code.

Code	Causal Agent	Primary Host	Code	Causal Agent	Primary Host	Code	Causal Agent	Primary Host
1	Douglas fir beetle	Douglas fir	40	White pine blister rust	Lodgepole Pine	102	Fox squirrel flagging	Cottwood/Poplar
2	Engelmann Spruce Beetle	Engelmann Spruce	41	White pine sawfly	5-Needle Pine	107	fall webworm	Cottwood/Poplar
3	Mountain pine beetle	Ponderosa Pine	42	Deer tick	Softwoods	108	road kill	Softwoods
4	Mountain pine beetle	Lodgepole Pine	43	Elytromera	Ponderosa Pine	109	pinewood nematode	Scotch Pine
5	Needle pine beetle	5-Needle Pine	44	Includes #05, 06 & 08	All Tree Species	110	oak wilt	Oak
6	Western pine beetle	Ponderosa Pine	45	Asp. polkara	All Tree Species	111	sludge disease	All Tree Species
7	White fir	White Fir	46	Chemical damage	All Tree Species	112	spurge ips	White Spruce
8	Douglas fir engraver beetle	Douglas fir	47	Lophodermium pinastri	Softwoods	113	redneck chestnut borer	Oak
9	Western balsam bark beetle	Subalpine Fir	48	Rhabdocline pseudotsugae	Douglas fir	114	anthracnose like foliar disease	Bur Oak
10	Unidentified bark beetle	Softwoods	49	Lophodermium arcauata	Softwoods	115	Dieback	All Tree Species
11	Pine engraver	Lodgepole Pine	50	Lophodermium concolor	Softwoods	116	Dieback	All Tree Species
12	Pine engraver	Lodgepole Pine	51	Lactonema sp.	Softwoods	117	Discoloration	All Tree Species
13	Pine engraver	Lodgepole Pine	52	Needle cast (Hypodermataceae)	Softwoods	118	Herbicide	All Tree Species
14	Ponderosa pine needle miner	Ponderosa Pine	53	Root rot	All Tree Species	119	Flagging	All Tree Species
15	Lodgepole pine needle miner	Lodgepole Pine	54	Winter damage light	All Tree Species	120	aspen tort	Quaking Aspen
16	Jack pine budworm	Jack Pine	55	Winter damage medium	All Tree Species	121	Marsdenia Blight	Quaking Aspen
17	Jack pine budworm	Jack Pine	56	Winter damage heavy	All Tree Species	200	Dieback (ash)	Ash
18	Jack pine budworm	Jack Pine	57	Winter damage medium	All Tree Species	201	Dieback (cottonwood)	Cottonwood/Poplar
19	Jack pine budworm	Jack Pine	58	Winter damage heavy	All Tree Species	202	Dieback (hardwood)	Hardwoods
20	Jack pine budworm	Jack Pine	59	Pinon black stain	Common Pinon	204	Dieback (oak)	Oak
21	Jack pine budworm	Jack Pine	60	Pinon black stain	Common Pinon	210	Mortality (old cottonwood)	Cottonwood/Poplar
22	Jack pine budworm	Jack Pine	61	Pinon black stain	Common Pinon	211	Mortality (eastern cedar)	Eastern Red Cedar
23	Jack pine budworm	Jack Pine	62	Pinon black stain	Common Pinon	212	Mortality (oak)	Hardwoods
24	Jack pine budworm	Jack Pine	63	Pinon black stain	Common Pinon	213	Mortality (spruce)	Spruce
25	Jack pine budworm	Jack Pine	64	Pinon black stain	Common Pinon	214	Mortality (cottonwood)	Cottonwood/Poplar
26	Jack pine budworm	Jack Pine	65	Pinon black stain	Common Pinon	220	Discoloration (ash)	Ash
27	Jack pine budworm	Jack Pine	66	Pinon black stain	Common Pinon	221	Discoloration (cedar)	Softwoods
28	Jack pine budworm	Jack Pine	67	Pinon black stain	Common Pinon	222	Discoloration (cottonwood)	Cottonwood/Poplar
29	Jack pine budworm	Jack Pine	68	Pinon black stain	Common Pinon	223	Discoloration (eastern cedar)	Eastern Red Cedar
30	Jack pine budworm	Jack Pine	69	Pinon black stain	Common Pinon	224	Discoloration (hardwood)	Hardwoods
31	Jack pine budworm	Jack Pine	70	Pinon black stain	Common Pinon	225	Discoloration (oak)	Oak
32	Jack pine budworm	Jack Pine	71	Pinon black stain	Common Pinon	226	Discoloration (spruce)	Spruce
33	Jack pine budworm	Jack Pine	72	Pinon black stain	Common Pinon	230	Herbicide (cottonwood)	Cottonwood/Poplar
34	Jack pine budworm	Jack Pine	73	Pinon black stain	Common Pinon	231	Herbicide (eastern cedar)	Eastern Red Cedar
35	Jack pine budworm	Jack Pine	74	Pinon black stain	Common Pinon	232	Discoloration (hardwood)	Hardwoods
36	Jack pine budworm	Jack Pine	75	Pinon black stain	Common Pinon	233	Discoloration (oak)	Oak
37	Jack pine budworm	Jack Pine	76	Pinon black stain	Common Pinon	234	Discoloration (spruce)	Spruce
38	Jack pine budworm	Jack Pine	77	Pinon black stain	Common Pinon	235	Discoloration (cottonwood)	Cottonwood/Poplar
39	Jack pine budworm	Jack Pine	78	Pinon black stain	Common Pinon	236	Discoloration (eastern cedar)	Eastern Red Cedar
40	Jack pine budworm	Jack Pine	79	Pinon black stain	Common Pinon	237	Discoloration (hardwood)	Hardwoods
41	Jack pine budworm	Jack Pine	80	Pinon black stain	Common Pinon	238	Discoloration (oak)	Oak
42	Jack pine budworm	Jack Pine	81	Pinon black stain	Common Pinon	239	Discoloration (spruce)	Spruce
43	Jack pine budworm	Jack Pine	82	Pinon black stain	Common Pinon	240	Discoloration (cottonwood)	Cottonwood/Poplar
44	Jack pine budworm	Jack Pine	83	Pinon black stain	Common Pinon	241	Discoloration (eastern cedar)	Eastern Red Cedar
45	Jack pine budworm	Jack Pine	84	Pinon black stain	Common Pinon	242	Discoloration (hardwood)	Hardwoods
46	Jack pine budworm	Jack Pine	85	Pinon black stain	Common Pinon	243	Discoloration (oak)	Oak
47	Jack pine budworm	Jack Pine	86	Pinon black stain	Common Pinon	244	Discoloration (spruce)	Spruce
48	Jack pine budworm	Jack Pine	87	Pinon black stain	Common Pinon	245	Discoloration (cottonwood)	Cottonwood/Poplar
49	Jack pine budworm	Jack Pine	88	Pinon black stain	Common Pinon	246	Discoloration (eastern cedar)	Eastern Red Cedar
50	Jack pine budworm	Jack Pine	89	Pinon black stain	Common Pinon	247	Discoloration (hardwood)	Hardwoods
51	Jack pine budworm	Jack Pine	90	Pinon black stain	Common Pinon	248	Discoloration (oak)	Oak
52	Jack pine budworm	Jack Pine	91	Pinon black stain	Common Pinon	249	Discoloration (spruce)	Spruce
53	Jack pine budworm	Jack Pine	92	Pinon black stain	Common Pinon	250	Discoloration (cottonwood)	Cottonwood/Poplar
54	Jack pine budworm	Jack Pine	93	Pinon black stain	Common Pinon	251	Discoloration (eastern cedar)	Eastern Red Cedar
55	Jack pine budworm	Jack Pine	94	Pinon black stain	Common Pinon	252	Discoloration (hardwood)	Hardwoods
56	Jack pine budworm	Jack Pine	95	Pinon black stain	Common Pinon	253	Discoloration (oak)	Oak
57	Jack pine budworm	Jack Pine	96	Pinon black stain	Common Pinon	254	Discoloration (spruce)	Spruce
58	Jack pine budworm	Jack Pine	97	Pinon black stain	Common Pinon	255	Discoloration (cottonwood)	Cottonwood/Poplar
59	Jack pine budworm	Jack Pine	98	Pinon black stain	Common Pinon	256	Discoloration (eastern cedar)	Eastern Red Cedar
60	Jack pine budworm	Jack Pine	99	Pinon black stain	Common Pinon	257	Discoloration (hardwood)	Hardwoods
61	Jack pine budworm	Jack Pine	100	Pinon black stain	Common Pinon	258	Discoloration (oak)	Oak
62	Jack pine budworm	Jack Pine	101	Pinon black stain	Common Pinon	259	Discoloration (spruce)	Spruce
63	Jack pine budworm	Jack Pine	102	Pinon black stain	Common Pinon	260	Discoloration (cottonwood)	Cottonwood/Poplar
64	Jack pine budworm	Jack Pine	103	Pinon black stain	Common Pinon	261	Discoloration (eastern cedar)	Eastern Red Cedar
65	Jack pine budworm	Jack Pine	104	Pinon black stain	Common Pinon	262	Discoloration (hardwood)	Hardwoods
66	Jack pine budworm	Jack Pine	105	Pinon black stain	Common Pinon	263	Discoloration (oak)	Oak
67	Jack pine budworm	Jack Pine	106	Pinon black stain	Common Pinon	264	Discoloration (spruce)	Spruce
68	Jack pine budworm	Jack Pine	107	Pinon black stain	Common Pinon	265	Discoloration (cottonwood)	Cottonwood/Poplar
69	Jack pine budworm	Jack Pine	108	Pinon black stain	Common Pinon	266	Discoloration (eastern cedar)	Eastern Red Cedar
70	Jack pine budworm	Jack Pine	109	Pinon black stain	Common Pinon	267	Discoloration (hardwood)	Hardwoods
71	Jack pine budworm	Jack Pine	110	Pinon black stain	Common Pinon	268	Discoloration (oak)	Oak
72	Jack pine budworm	Jack Pine	111	Pinon black stain	Common Pinon	269	Discoloration (spruce)	Spruce
73	Jack pine budworm	Jack Pine	112	Pinon black stain	Common Pinon	270	Discoloration (cottonwood)	Cottonwood/Poplar
74	Jack pine budworm	Jack Pine	113	Pinon black stain	Common Pinon	271	Discoloration (eastern cedar)	Eastern Red Cedar
75	Jack pine budworm	Jack Pine	114	Pinon black stain	Common Pinon	272	Discoloration (hardwood)	Hardwoods
76	Jack pine budworm	Jack Pine	115	Pinon black stain	Common Pinon	273	Discoloration (oak)	Oak
77	Jack pine budworm	Jack Pine	116	Pinon black stain	Common Pinon	274	Discoloration (spruce)	Spruce
78	Jack pine budworm	Jack Pine	117	Pinon black stain	Common Pinon	275	Discoloration (cottonwood)	Cottonwood/Poplar
79	Jack pine budworm	Jack Pine	118	Pinon black stain	Common Pinon	276	Discoloration (eastern cedar)	Eastern Red Cedar
80	Jack pine budworm	Jack Pine	119	Pinon black stain	Common Pinon	277	Discoloration (hardwood)	Hardwoods
81	Jack pine budworm	Jack Pine	120	Pinon black stain	Common Pinon	278	Discoloration (oak)	Oak
82	Jack pine budworm	Jack Pine	121	Pinon black stain	Common Pinon	279	Discoloration (spruce)	Spruce
83	Jack pine budworm	Jack Pine	122	Pinon black stain	Common Pinon	280	Discoloration (cottonwood)	Cottonwood/Poplar
84	Jack pine budworm	Jack Pine	123	Pinon black stain	Common Pinon	281	Discoloration (eastern cedar)	Eastern Red Cedar
85	Jack pine budworm	Jack Pine	124	Pinon black stain	Common Pinon	282	Discoloration (hardwood)	Hardwoods
86	Jack pine budworm	Jack Pine	125	Pinon black stain	Common Pinon	283	Discoloration (oak)	Oak
87	Jack pine budworm	Jack Pine	126	Pinon black stain	Common Pinon	284	Discoloration (spruce)	Spruce
88	Jack pine budworm	Jack Pine	127	Pinon black stain	Common Pinon	285	Discoloration (cottonwood)	Cottonwood/Poplar
89	Jack pine budworm	Jack Pine	128	Pinon black stain	Common Pinon	286	Discoloration (eastern cedar)	Eastern Red Cedar
90	Jack pine budworm	Jack Pine	129	Pinon black stain	Common Pinon	287	Discoloration (hardwood)	Hardwoods
91	Jack pine budworm	Jack Pine	130	Pinon black stain	Common Pinon	288	Discoloration (oak)	Oak
92	Jack pine budworm	Jack Pine	131	Pinon black stain	Common Pinon	289	Discoloration (spruce)	Spruce
93	Jack pine budworm	Jack Pine	132	Pinon black stain	Common Pinon	290	Discoloration (cottonwood)	Cottonwood/Poplar
94	Jack pine budworm	Jack Pine	133	Pinon black stain	Common Pinon	291	Discoloration (eastern cedar)	Eastern Red Cedar
95	Jack pine budworm	Jack Pine	134	Pinon black stain	Common Pinon	292	Discoloration (hardwood)	Hardwoods
96	Jack pine budworm	Jack Pine	135	Pinon black stain	Common Pinon	293	Discoloration (oak)	Oak
97	Jack pine budworm	Jack Pine	136	Pinon black stain	Common Pinon	294	Discoloration (spruce)	Spruce
98	Jack pine budworm	Jack Pine	137	Pinon black stain	Common Pinon	295	Discoloration (cottonwood)	Cottonwood/Poplar
99	Jack pine budworm	Jack Pine	138	Pinon black stain	Common Pinon	296	Discoloration (eastern cedar)	Eastern Red Cedar
100	Jack pine budworm	Jack Pine	139	Pinon black stain	Common Pinon	297	Discoloration (hardwood)	Hardwoods
101	Jack pine budworm	Jack Pine	140	Pinon black stain	Common Pinon	298	Discoloration (oak)	Oak
102	Jack pine budworm	Jack Pine	141	Pinon black stain	Common Pinon	299	Discoloration (spruce)	Spruce
103	Jack pine budworm	Jack Pine	142	Pinon black stain	Common Pinon	300	Discoloration (cottonwood)	Cottonwood/Poplar
104	Jack pine budworm	Jack Pine	143	Pinon black stain	Common Pinon	301	Discoloration (eastern cedar)	Eastern Red Cedar
105	Jack pine budworm	Jack Pine	144	Pinon black stain	Common Pinon	302	Discoloration (hardwood)	Hardwoods
106	Jack pine budworm	Jack Pine	145	Pinon black stain	Common Pinon	303	Discoloration (oak)	Oak
107	Jack pine budworm	Jack Pine	146	Pinon black stain	Common Pinon	304	Discoloration (spruce)	Spruce
108	Jack pine budworm	Jack Pine	147	Pinon black stain	Common Pinon	305	Discoloration (cottonwood)	Cottonwood/Poplar
109	Jack pine budworm	Jack Pine	148	Pinon black stain	Common Pinon	306	Discoloration (eastern cedar)	Eastern Red Cedar
110	Jack pine budworm	Jack Pine	149	Pinon black stain	Common Pinon	307	Discoloration (hardwood)	Hardwoods
111	Jack pine budworm	Jack Pine	150	Pinon black stain	Common Pinon	308	Discoloration (oak)	Oak
112	Jack pine budworm	Jack Pine	151	Pinon black stain	Common Pinon	309	Discoloration (spruce)	Spruce
113	Jack pine budworm	Jack Pine	152	Pinon black stain	Common Pinon	310	Discoloration (cottonwood)	Cottonwood/Poplar
114	Jack pine budworm	Jack Pine	153	Pinon black stain	Common Pinon	311	Discoloration (eastern cedar)	Eastern Red Cedar
115	Jack pine budworm	Jack Pine	154	Pinon black stain	Common Pinon	312	Discoloration (hardwood)	Hardwoods
116	Jack pine budworm	Jack Pine	155	Pinon black stain	Common Pinon	313	Discoloration (oak)	Oak
117	Jack pine budworm	Jack Pine	156	Pinon black stain	Common Pinon	314	Discoloration (spruce)	Spruce
118	Jack pine budworm	Jack Pine	157	Pinon black stain	Common Pinon	315	Discoloration (cottonwood)	Cottonwood/Poplar
119	Jack pine budworm	Jack Pine	158	Pinon black stain	Common Pinon	316	Discoloration (eastern cedar)	Eastern Red Cedar
120	Jack pine budworm	Jack Pine	159	Pinon black stain	Common Pinon	317	Discoloration (hardwood)	Hardwoods
121	Jack pine budworm	Jack Pine	160	Pinon black stain	Common Pinon	318	Discoloration (oak)	Oak
122	Jack pine budworm	Jack Pine	161	Pinon black stain	Common Pinon	319	Discoloration (spruce)	Spruce
123	Jack pine budworm	Jack Pine	162	Pinon black stain	Common Pinon	320	Discoloration (cottonwood)	Cottonwood/Poplar
124	Jack pine budworm	Jack Pine	163	Pinon black stain	Common Pinon	321	Discoloration (eastern cedar)	Eastern Red Cedar
125	Jack pine budworm	Jack Pine	164	Pinon black stain	Common Pinon	322	Discoloration (hardwood)	Hardwoods
126	Jack pine budworm	Jack Pine	165	Pinon black stain	Common Pinon	323	Discoloration (oak)	Oak
127	Jack pine budworm	Jack Pine	166	Pinon black stain	Common Pinon	324	Discoloration (spruce)	Spruce
128	Jack pine budworm	Jack Pine	167	Pinon black stain	Common Pinon	325	Discoloration (cottonwood)	Cottonwood/Poplar
129	Jack pine budworm	Jack Pine	168	Pinon black stain	Common Pinon	326	Discoloration (eastern cedar)	Eastern Red Cedar
130	Jack pine budworm	Jack Pine	169	Pinon black stain	Common Pinon	327	Discoloration (hardwood)	Hardwoods