

FORM CODES	
BS	broken stem
CK	crook
CL	chlorotic
CS	crooked stem, sinuosity
DN	topped, on the ground
EG	Epicormal growth
EH	Estimated height
FK	forked - above dbh
LN1	minor lean <10 degrees
LN2	major lean >10 degrees
M	missing, not found
MS	forked - below dbh
NC	not a crop tree / very poor form
PC	very poor condition / moribund
RS	root scar
SC	stem scar
SW1	minor sweep
SW2	major sweep
X	dead tree, any cause

LEADER CODES	
BT	broken top
CT	crooked top
DT	dead or missing leader
MT	multiple top
PT	poor condition leader

MoF DAMAGE AND DISEASE CODES

(complete listing)

CODE	Description
A	Animal Damage
AB	Bear
AC	Cattle
AD	Deer
AE	Elk
AH	Hare or Rabbit
AM	Moose
AP	Porcupine
AS	Squirrel
AV	Vole
AX	Birds
AZ	Beaver

C	Cone and Seed Insects
CAH	Cone Resin Midge (<i>Asynapta hopkinsi</i>)
CBC	FD Cone Moth (<i>Barbara colfaxiana</i>)
CBX	Fir Cone Moth (<i>Barbara sp.</i>)
CCP	(<i>Campomyia pseudotsugae</i>)
CDC	SX Cone Gall Midge (<i>Dasineura canadensis</i>)
CDD	Fir Seed Midge (<i>Dasineura abiesenia</i>)
CDR	SX Cone Axis Midge (<i>Dasineura rachiphaga</i>)
CDX	<i>Dasineura</i> Midges (<i>Dasineura spp.</i>)
CEA	Fir Cone Maggot (<i>Eaomyia abietum</i>)
CEB	(<i>Eaomyia barbara</i>)
CEQ	(<i>Eaomyia aquilonia</i>)
CEX	<i>Eaomyia</i> Maggots (<i>Eaomyia spp.</i>)
CFP	FD Cone Beetle (<i>Emobius punctulatus</i>)
CHX	Budworms (<i>Choristoneura spp.</i>)
CIA	Fir Coneworm (<i>Dioryctria abietivorella</i>)
CIP	FD Coneworm (<i>Dioryctria pseudotsugella</i>)
CIR	SX Coneworm (<i>Dioryctria reniculelloides</i>)
CIS	Pine Coneworm (<i>Dioryctria rossi</i>)
CIV	PY Coneworm (<i>Dioryctria auranticella</i>)
CIX	Coneworms (<i>Dioryctria spp.</i>)
CLO	Western Conifer Seed Bug (<i>Leptoglossus occidentalis</i>)
CMA	PY Seed Chalcid (<i>Megastigmus albifrons</i>)
CMC	SX Seed Chalcid (<i>Megastigmus piceae</i>)
CML	BL Seed Chalcid (<i>Megastigmus lasiocarpae</i>)
CMP	Fir Seed Chalcid (<i>Megastigmus pinus</i>)
CMR	(<i>Megastigmus ratni</i>)
CMS	FD Seed Chalcid (<i>Megastigmus spemotrophus</i>)
CMT	HW Seed Chalcid (<i>Megastigmus tsugae</i>)
CMX	Seed Chalcids (<i>Megastigmus spp.</i>)
CNP	Pine Cone Beetle (<i>Conophthorus ponderosae</i>)
CPS	(<i>Pineus similis</i>)
CRX	Cone Scale Midges (<i>Resseliella spp.</i>)
CSN	Spiral Spruce Cone Borer (<i>Strobilomyia nearthracina</i>)
CTO	FD Cone Gall Midge (<i>Contarinia oregonensis</i>)
CTW	FD Cone Scale Midge (<i>Contarinia washingtonensis</i>)
CVP	PW Cone Borer (<i>Eucosma ponderosa</i>)
CVR	PL Cone Borer (<i>Eucosma recissoriana</i>)
CYC	SX Seed Midge (<i>Mayetiola carpophaga</i>)
CYP	PY Seedworm (<i>Cydia piperana</i>)
CYS	SX Seedworm (<i>Cydia strobilella</i>)

CYT	CW Cone Midge (<i>Mayetiola thujae</i>)
CYX	Seedworms (<i>Cydia spp.</i>)
D	Disease
DB	Broom rust
DBF	fir broom rust (<i>Melampsorella caryophyllacearum</i>)
DBS	spruce broom rust (<i>Chrysomyxa arctostaphyli</i>)
DD	stem rot
DDB	birch trunk rot (<i>Fomes fomentarius</i>)
DDD	sulfur fungus (<i>Laetiporus sulphureus</i>)
DDE	Rust Red Stringy Rot (<i>Echindontium tinctorium</i>)
DDF	brown crumbly rot (<i>Fomitopsis pinicola</i>)
DDH	hardwood trunk rot (<i>Phellinus ignarius</i>)
DDO	cedar brown pocket rot (<i>Poria sericeomollis</i>)
DDP	Red Ring Rot (<i>Phellinus pini</i>)
DDQ	quinine conk rot (<i>Fomitopsis officinalis</i>)
DDS	Schweinitz Butt Rot (<i>Phaeolus schweinitzii</i>)
DDT	Aspen Trunk Rot (<i>Phellinus tremulae</i>)
DF	foliage disease
DFA	western pine aster rust (<i>Coleosporium asterum</i>)
DFC	large-spored spruce-labrador tea rust (<i>Chrysomyxa ledicola</i>)
DFD	spruce needle cast (<i>Lirula macrospora</i>)
DFE	elytrodema needle cast (<i>Elytrodema deformans</i>)
DFH	larch needle cast (<i>Hypodermella laricis</i>)
DFL	Pine Needle cast (<i>Lophodermella concolor</i>)
DFM	larch needle blight (<i>Meria laricis</i>)
DFF	fir fireweed rust (<i>Pucciniastrum epilobii</i>)
DFR	Douglas-fir needle cast (<i>Rhabdocline pseudotsugae</i>)
DFS	redband needle blight (<i>Mycosphaerella[Schirra] pini</i>)
DL	Disease Caused Dieback of leader
DLD	dermea canker (<i>Dermea pseudotsugae</i>)
DLF	red flag disease (<i>Potentillomyces balsamicola</i>)
DLP	phomopsis canker (<i>Phomopsis lokoyae</i>)
DLS	sydowia (<i>Sclerophoma</i>) tip dieback (<i>Sclerophoma pityophila</i>)
DLV	aspen-poplar twig blight (<i>Venturia spp.</i>)
DM	Dwarf Mistletoe
DMF	Douglas-fir Dwarf Mistletoe
DMH	Hemlock Dwarf Mistletoe

DML	Larch Dwarf Mistletoe
DMP	Lodgepole Pine Dwarf Mistletoe
DR	Root Disease
DRA	Armillaria Root Disease
DRB	Black Stain Root Disease
DRC	Laminated Root Rot (cedar strain)
DRL	Laminated Root Rot
DRN	Annosus Root Disease
DRR	Rhizina Root Disease
DRT	Tomentosus Root Rot
DS	Stem Disease (Canker or Rust)
DSA	Atropellis Canker (Lodgepole Pine)
DSB	White Pine Blister Rust
DSC	Comandra Blister Rust (Ponderosa)
DSE	sooty bark canker (Encocelia pruinosa)
DSG	Western Gail Rust
DSH	hypoxylon canker (Hypoxylon mammatum)
DSP	cryptosphaeria canker (Cryptosphaeria populina)
DSR	ceratocystis canker (Ceratocystis fimbriata)
DSS	Stalactiform Blister Rust
DST	target canker (Nectria galligena)
DSY	cytospora canker (Cytospora chrysosperma)
I	Insects
IA	Aphids or adelgids
IAB	Balsam Woolly Adelgid
IAC	Giant Conifer Aphid (Cinara species)
IAG	Cooley Spruce Gall Adelgid
IAL	Cone Woolly Aphid (Adelges lariciatus)
IAS	Spruce Aphid (Elatobium abietinum)
IB	Bark Beetles
IBB	Western Balsam Bark Beetle
IBD	Douglas-fir Beetle
IBI	Engraiver Beetles (Ips species)
IBM	Mountain Pine Beetle
IBP	twig beetles (Pityogenes, Pityophthorus spp)
IBS	Spruce Beetle
IBT	red turpentine beetle (Dendroctonus valens)
IBW	western pine beetle (Dendroctonus brevicornis)
ID	Defoliating insects
IDA	Black army cutworm
IDB	two-year budworm (Choristoneura biennis)
IDC	Larch casebearer
IDD	western winter moth (Erranis tilaria)

	vancouverensis)
IDE	Spruce Budworm (C. fumiferana)
IDF	Forest Tent Caterpillar
IDG	Greenstriped Forest Looper
IDH	Western Blackheaded Budworm
IDI	pine needle sheath miner (Zellaria hainbachii)
IDL	Western Hemlock Looper
IDM	Gypsy Moth
IDN	birch leaf miner (Fenusa pusilla)
IDP	larch sawfly (Pristiphora erichsoni)
IDR	alder sawfly (Ericampa ovata)
IDS	Conifer Sawflies
IDT	Douglas-fir Tussock Moth
IDU	satin moth (Leucoma salicis)
IDV	Variegated Cutworm
IDW	Western Spruce Budworm (occidentalis)
IDX	large aspen tortrix (Choristoneura confliciana)
IDZ	Western False Hemlock Looper
IS	Shoot Insects
ISB	Western Cedar Borer (Trachykele blondeli)
ISE	European Pine Shoot Moth
ISG	gouty pitch midge (Cecidomyia piniliposis)
ISP	Pitch Nodule Moths (Petrova species)
ISQ	sequoia pitch moth (Vespanima sequoiae)
ISS	western pine shoot borer (Eucosma sonomana)
IW	Weevils
IWC	Conifer Seedling Weevil
IWM	Magdalis Species
IWP	Lodgepole Terminal Weevil
IWS	White Pine Weevil (on spruce)
IWW	Warren's Root Collar Weevil
IWY	cylindrocapturus weevil (Cylindrocapturus spp.)
IWZ	Yosemite bark weevil (Pissodes schwartzii)
M	Mite Damage
N	Non-Biological (Abiotic) Injuries
NB	Fire
ND	Drought
NF	Flooding
NG	Frost
NGC	frost crack
NGH	Frost Heaved
NGK	Shoot/Bud Frost Kill
NH	Hail

NK	Fumekill
NL	lightning
NN	Road Salt
NR	Redbelt
NS	Slide
NW	Windthrow
NWS	windthrow - soil failure
NWT	windthrow - treatment or harvest related
NX	wounding/rubbing
NY	Snow or Ice (includes snow press)
NZ	Sunscaid
P	Cone and Seedling fungal pathogens
PAX	(Alternaria spp.)
PBC	Gray Mould (Botrytis cinerea)
PCD	(Cylindrocapon destructans)
PCF	Seed or Cold Fungus (Caloscypha fulgens)
PCP	Inland Spruce Cone Rust (Chrysomyxa piceolata)
PDI	Cedar Leaf Blight (Didymascella thuja)
PFX	(Fusarium spp.)
PPG	Damping-Off Disease (Phoma glomerata)
PPX	(Penicillium spp.)
PSS	Sirococcus Blight (Sirococcus strobilinus)
PTX	(Trichothecium spp.)
T	treatment injuries
TC	chemical
TH	harvested
TL	logging
TM	other mechanical damage (non-logging)
TP	planting
TPM	poor planting microsite
TR	pruning
TT	thinning or spacing
V	problem vegetation
VH	herbaceous competition
VP	vegetation press
VS	shrub competition
VT	tree competition