



Ministry of  
Forests, Lands, Natural  
Resource Operations  
and Rural Development

# CONIFER DAMAGE AGENT AND CONDITION CODES

| FIELD CODES | DESCRIPTION  | FIELD CODES | DESCRIPTION                              | FIELD CODES | DESCRIPTION  |
|-------------|--|-------------|--|-------------|--|
| <b>A</b>    | <b>ANIMAL DAMAGE</b>                                   |             |  |             |  |
| AB          | BEAR   | AO          | PIKA                                     | DF          | FOLIAGE DISEASES   |
| AC          | CATTLE   | AP          | PORCUPINE                                | DFB         | Western pine aster rust <i>Coleosporium asterum</i>              |
| AD          | DEER   | AS          | SQUIRREL                                 | DFC         | Delphinella tip blight <i>Delphinella</i> spp.                   |
| AE          | ELK  | AV          | VOLE                                     | DFD         | Large-spored spruce-labrador tea rust <i>Chrysomyxa ledicola</i> |
| AH          | HARE or RABBIT   | AX          | BIRDS                                    | DFF         | Spruce needle cast <i>Lirula macrospora</i>                      |
| AM          | MOOSE  | AZ          | BEAVER                                   | DFF         | Elyrodema disease <i>Elyrodema delamanis</i>                     |
| AN          | HORSE  |             |  | DFF         | Larch needle blight <i>Hypodermella laricis</i>                  |
|             |  |             |  | DFFJ        | Phaeoseptoria needle cast <i>Phaeoseptoria contortae</i>         |
| <b>N</b>    | <b>ABIOTIC INJURIES</b>                                |             |  | DFFM        | Pine needle cast <i>Lophodermella concolor</i>                   |
| NAV         | Avalanche or snow slide                                | NH          | HAIL                                     | DFN         | Larch needle cast <i>Rhabdocline laricis</i>                     |
| NB          | FIRE   | NL          | LIGHTNING                                | DFN         | Leptomelanconium needle blight <i>Leptomelanconium pinicola</i>  |
| NC          | Post-burn mortality                                    | NN          | ROAD SALT                                | DFO         | Lophodermium needle cast <i>Lophodermium seditosum</i>           |
| NC          | DECLINE  | NR          | REDBELT                                  | DFP         | Fir-fireweed rust <i>Pucciniastrum epilobii</i>                  |
| NC          | Yellow-cedar decline                                   | NS          | SLIDE                                    | DFR         | Douglas-fir needle cast <i>Rhabdocline</i> spp.                  |
| ND          | DROUGHT  | NW          | WINDTHROW                                | DFS         | Dothistroma (red band) needle blight <i>Mycosphaerella pini</i>  |
| NDF         | Drought - foliage loss or damage                       | NWS         | Windthrow - soil failure                 | DFT         | Sirococcus tip blight <i>Sirococcus contigenus</i>               |
| NDF         | Drought - mortality                                    | NWT         | Windthrow - treatment or harvest-related | DFU         | Cedar leaf blight <i>Dalymascala thujina</i>                     |
| NDM         | Drought - mortality                                    | NX          | WIND SCARRING or RUBBING                 | DFW         | Swiss needle cast <i>Nathphaeocryptopus gaeumannii</i>           |
| NE          | CEDAR FLAGGING   | NY          | SNOW OR ICE                              | DFX         | Brown felt blight <i>Herparichia</i> spp.                        |
| NF          | FLOODING   | NZ          | Snow or ice breakage                     | DFY         | Hendersonia needle cast <i>Hendersonia pinicola</i>              |
| NG          | FROST  |             | Snow press                               | DFZ         | Rhizosphaera needle cast <i>Rhizosphaera kalkhoffii</i>          |
| NGC         | Frost crack  |             | SUNSCALD                                 |             |  |
| NGH         | Frost-heaved   |             |  | DL          | LEADER OR BRANCH DIEBACKS  |
| NGK         | Shoot or bud frost kill                                |             |  | DLC         | Lodgepole pine dieback <i>Canangium ferruginosum</i>             |
|             |  |             |  | DLD         | Dermea canker <i>Dermea boycei</i>                               |
|             |  |             |  | DLF         | Red flag disease <i>Potentillomyces balsamicola</i>              |
|             |  |             |  | DLK         | Conifer cytospora canker <i>Cytospora abietis</i>                |
|             |  |             |  | DLS         | Phomopsis canker <i>Diaporthe lobbeyae</i>                       |
|             |  |             |  | DLP         | Sclerophoma tip dieback <i>Sydowia polyspora</i>                 |
| <b>D</b>    | <b>DISEASES</b>  |             |  | DLM         | DWARF MISTLEDOES   |
| DB          | BROOM RUSTS  |             |  | DM          | Douglas-fir dwarf mistletoe <i>Arceuthobium douglasii</i>        |
|             | Fir broom rust <i>Melanosporella caryophyllacearum</i> |             |  | DMF         | Hemlock dwarf mistletoe <i>Arceuthobium tsugense</i>             |
|             | Spruce broom rust <i>Chrysomyxa arctostaphyli</i>      |             |  | DMH         | Larch dwarf mistletoe <i>Arceuthobium laricis</i>                |
|             |  |             |  | DML         | Lodgepole pine dwarf mistletoe <i>Arceuthobium americanum</i>    |
|             |  |             |  | DMP         |  |
| DD          | STEM DECAYS  |             |  | DR          | ROOT DISEASES  |
| DDA         | White mottled rot <i>Ganoderma applanatum</i>          |             |  | DRA         | Armillaria root disease <i>Armillaria ostoyae</i>                |
| DDD         | Sulfur shelf fungus <i>Laetiporus sulphureus</i>       |             |  | DRB         | Blackstain root disease <i>Leptographium wageneri</i>            |
| DDE         | Rust-red stringy rot <i>Echinodontium tinctorium</i>   |             |  | DRC         | Cedar laminated root and butt rot <i>Comlenzopora wehrli</i>     |
| DDF         | Brown crumbly rot <i>Fomitopsis pinicola</i>           |             |  |             |  |
| DDO         | Cedar brown pocket rot <i>Postia sericeomolis</i>      |             |  |             |  |
| DDP         | Red ring rot <i>Porodaedalea pini</i>                  |             |  |             |  |
| DDQ         | Brown trunk rot <i>Fomitopsis officinalis</i>          |             |  |             |  |
| DDR         | Red heart rot <i>Stereum sanguinolentum</i>            |             |  |             |  |

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| DRL         | Laminated root rot <i>Coniferiperia subpurascens</i>       | IDH         | Western blackheaded budworm <i>Aceris gloverana</i>          |
| DRN         | Annosus root disease <i>Heterobasidium occidentale</i>     | IDI         | Pine needle sheath miner <i>Zelleria rambachi</i>            |
| DRR         | Rhizina root disease <i>Rhizina undulata</i>               | IDL         | Western hemlock looper <i>Lambdina fiscellaria lugubrosa</i> |
| DRS         | Schweinitzii butt rot <i>Phaeolus schweinitzii</i>         | IDP         | Larch sawfly <i>Pristiphora erichsonii</i>                   |
| DRT         | Tomentibus root rot <i>Omría tomentosa</i>                 | IDS         | Conifer sawflies <i>Neodiprion abietis</i>                   |
| DS          | STEM DISEASES (CANKERS OR RUSTS)                           | IDT         | Douglas-fir tussock moth <i>Orgyia pseudotsugata</i>         |
| DSA         | Atropellis canker <i>Atropellis piniphila</i>              | IDV         | Variagated cutworm <i>Peridroma saucia</i>                   |
| DSB         | White pine blister rust <i>Cronartium ribicola</i>         | IDW         | Western spruce budworm <i>Choristoneura freemani</i>         |
| DSC         | Commandra blister rust <i>Cronartium comandrae</i>         | IDZ         | Western false hemlock looper <i>Nepytia freemani</i>         |
| DSG         | Western gall rust <i>Endocronartium haknessii</i>          |             | SHOOT INSECTS  |
| DSS         | Stataciform blister rust <i>Cronartium coleosporioides</i> | IS          | Western cedar borer <i>Trachykala blondelli</i>              |
| I           | INSECTS  | ISE         | European pine shoot moth <i>Rhyacionia buoliana</i>          |
| IA          | APHIDS OR ADELGIDS   | ISG         | Gouty pitch midge <i>Cacodymyia pininopis</i>                |
| IAB         | Balsam woolly adelgid <i>Adelges piceae</i>                | ISP         | Pitch nodule moths <i>Petrova</i> spp.                       |
| IAC         | Giant conifer aphid <i>Cinara</i> spp                      | ISQ         | Sequoia pitch moth <i>Vespamima sequoia</i>                  |
| IAG         | Cooley spruce gall adelgid <i>Adelges cooleyi</i>          | ISS         | Western pine shoot borer <i>Eucazma sonomana</i>             |
| IAL         | Larch cone woolly aphid <i>Adelges lariciatus</i>          |             | WEEVILS  |
| IAP         | Pine needle scale <i>Chionaspis pinifoliae</i>             | IW          | Conifer seedling weevil <i>Steremnius carinatus</i>          |
| IAS         | Spruce aphid <i>Elatobium abietinum</i>                    | IWC         | <i>Magdalis</i> spp.   |
| IB          | BARK BEETLES   | IWM         | Lodgepole pine terminal weevil <i>Pissodes terminalis</i>    |
| IBB         | Western balsam bark beetle <i>Dryocoetes confusus</i>      | IWP         | White pine weevil (on spruce) <i>Pissodes strobi</i>         |
| IBD         | Douglas-fir beetle <i>Dendroctonus pseudotsugae</i>        | IWS         | Warren's root collar weevil <i>Hylobius warreni</i>          |
| IBE         | Silver fir beetle <i>Pseudohylesinus sericeus</i>          | IWW         | Cylindrocoturnus weevil <i>Cylindrocoturnus</i> spp.         |
| IBF         | Fir engraver beetle <i>Scolytus ventralis</i>              | IWY         | Yosemite bark weevil <i>Pissodes schwanzi</i>                |
| IBH         | Hyurgops beetle <i>Hyurgops rugipennis</i>                 | IWZ         |  |
| IBI         | Engraver beetles <i>Ips</i> spp.                           |             | MITE DAMAGE (TRISECTACUS SPECIES)                            |
| IBL         | Lodgepole pine beetle <i>Dendroctonus murryanae</i>        |             | TREATMENT IN JURIES  |
| IBM         | Mountain pine beetle <i>Dendroctonus ponderosae</i>        | TC          | CHEMICAL   |
| IBP         | Twig beetles <i>Phytophagines, Phytophthorus</i> spp       | TL          | LOGGING  |
| IBS         | Spruce beetle <i>Dendroctonus rufipennis</i>               | TM          | OTHER MECHANICAL DAMAGE (NON-LOGGING)                        |
| IBT         | Red turpentine beetle <i>Dendroctonus valens</i>           | TP          | PLANTING   |
| IBW         | Western pine beetle <i>Dendroctonus brevicornis</i>        | TPM         | Planting – poor microsite                                    |
| ID          | DEFOLIATING INSECTS  | TR          | PRUNING  |
| IDA         | Black army cutworm <i>Acetia ferrica</i>                   | TT          | THINNING OR SPACING  |
| IDB         | Two-year budworm <i>Choristoneura biennis</i>              |             | VEGETATION PROBLEMS  |
| IDC         | Larch casebearer <i>Coleophora laricella</i>               | VH          | HERBACEOUS COMPETITION                                       |
| IDE         | Spruce budworm <i>Choristoneura tumiferana</i>             | VP          | VEGETATION PRESS   |
| IDG         | Green-striped forest looper <i>Melanotophila imatata</i>   | VS          | SHRUB COMPETITION  |
|             |  | VT          | TREE COMPETITION   |