

Reduction Compilations

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5.1 Reduction Compilations - Overview

Unless specified in this manual, follow the procedures in Chapter 5 of the Cruise Compilation Manual.

The FS 221 form allows for a reduction of the volumes and stem counts by several methods:

By species, timber type, dead/live, mature/second growth and treatment unit. Any combination of these fields can be used to apply a reduction. Treatment Unit is a mandatory field.

Please note that there are no risk groups (A-D) and no tree classes (1-9) for CGNF percent reduction compilations. Both dead/live (D/L) tree codes and mature/second growth (M/S) tree codes may be used.

For each tree, determine whether there is an eligible reduction:

1. If a Timber Type is coded, then the reduction applies to trees in that Type.
2. If the Timber Type is blank, then the reduction applies to all types.
3. If Damage is coded B, F or I on the reduction card, then do not apply the reduction to trees that have been assigned a damage code of that type.
4. If Species is non-blank, then an exact species match has to apply for the tree to be eligible for reduction. Otherwise, if Species is blank, apply the reduction to all species.
5. If the Dead/Live tree code is "D" then all dead trees will be eligible for reduction. If the Dead/Live tree code is "L" then all live trees will be eligible for reduction. Otherwise, if Dead/Live tree code is blank, apply the reduction to all dead and live trees.
6. If the Mature/Second Growth tree code is "M" then all mature trees will be eligible for reduction. If the Mature/Second Growth tree code is "S" then all second growth trees will be eligible for reduction. Otherwise, if Mature/Second Growth tree code is blank, apply the reduction to all Mature/Second Growth trees.

When a tree is targeted for a reduction, then reduce the calculated volume by the percent value that is coded for the DBH class that the tree falls into. See Section 5.3 for example.

If the DBH class is blank, then do not apply a reduction for that tree.

5.2 Percent Reduction Card Edits

5.2.1 Table of Data Types

Column Position	Column Name	Accepted Values	Error Type
1-2	Species	Blank or valid species code (Refer to Appendix 3 for valid species codes)	F
3-4	Timber Type	Blank, 99	F
5	Risk Group/Tree Class	Blank (Not used for CGNF compilations)	F
6-7	Treatment Unit	A - CU, 1-99	F
8-10	Block	Blank (not used)	F
11	Damage type	Blank, B, F, I	F
12	Mature/Second Growth tree code	Blank, M, S	F
13	Live/Dead tree code	Blank, L, D	F
14-15, 16-17, 80-81	Reduction percent for DBH class	Blank, 001 – 100	F

5.2.2 Fatal Errors

1. A tree can only qualify for one reduction.
2. Timber Type must be a valid Type from a card type C.

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