**CT – Chip Trees**

**SLT – Small Log Trees (<=80 ft3)**

**LLT – Large Log Trees (>80 ft3)**

**SL – Small Trees (<=80 ft3)**

**ALT – All Log Trees**

#### Removals, trees/acre

|  |  |  |
| --- | --- | --- |
|  |  | () |
|  |  | () |
|  |  | () |

#### Volume Per Acre, ft3/acre

|  |  |  |
| --- | --- | --- |
|  |  | () |
|  |  | () |
|  |  | () |
|  |  | () |
|  |  | () |
|  |  | () |

#### Tree Volume, ft3/tree

|  |  |  |
| --- | --- | --- |
|  |  | () |
|  |  | () |
|  |  | () |

### Other Assumptions

|  |  |  |
| --- | --- | --- |
|  |  | () |
|  |  | () |
|  |  | () |
|  |  | () |
|  |  | () |
|  |  | () |
|  |  | () |
|  |  | () |
|  |  | () |
|  |  | () |

### Calculated Intermediates

#### DBH

DBH – Diameter at Breast Height, in

|  |  |  |
| --- | --- | --- |
|  |  | () |
|  |  | () |
|  |  | () |
|  |  | () |
|  |  | () |
|  |  | () |

#### Tree Height

|  |  |  |
| --- | --- | --- |
|  |  | () |
|  |  | () |
|  |  | () |
|  |  | () |
|  |  | () |
|  |  | () |

#### Wood Density

**If the wood density for chip trees, small log trees or large log trees is not specified by users, then it is 50 lb/ft3 by default.**

|  |  |  |
| --- | --- | --- |
|  |  | () |
|  |  | () |
|  |  | () |

#### Hardwood Fraction

**If the hardwood fraction for chip trees, small log trees or large log trees is not specified by users, then it is 0 by default.**

|  |  |  |
| --- | --- | --- |
|  |  | () |
|  |  | () |
|  |  | () |

#### Butt Diameter

|  |  |  |
| --- | --- | --- |
|  |  | () |
|  |  | () |

#### Logs Per Tree

**Logs per chip tree was assumed as 1.**

|  |  |  |
| --- | --- | --- |
|  |  | () |
|  |  | () |
|  |  | () |
|  |  | () |
|  |  | () |
|  |  | () |

#### Log Volume

|  |  |  |
| --- | --- | --- |
|  |  | () |
|  |  | () |
|  |  | () |

#### CTL Logs Per Tree

**The minimum for CTLLogsPerTree is 1.**

|  |  |  |
| --- | --- | --- |
|  |  | () |
|  |  | () |

#### CTL Log Volume

|  |  |  |
| --- | --- | --- |
|  |  | () |
|  |  | () |

#### BFperCF

|  |  |  |
| --- | --- | --- |
|  |  | () |

#### Bole Weight

|  |  |  |
| --- | --- | --- |
|  |  | () |
|  |  | () |
|  |  | () |
|  |  | () |
|  |  | () |
|  |  | () |

#### Residue Weight

RF – Residue Fraction

|  |  |  |
| --- | --- | --- |
|  |  | () |
|  |  | () |
|  |  | () |
|  |  | () |
|  |  | () |
|  |  | () |

#### Manual Machine Size

**The maximum of ManualMachineSize is 1.**

|  |  |  |
| --- | --- | --- |
|  |  | () |
|  |  | () |

#### Mechanized Machine Size

**The maximum of MechMachineSize is 1.**

|  |  |  |
| --- | --- | --- |
|  |  | () |

#### Chipper Size

**The maximum of ChipperSize is 1.**

|  |  |  |
| --- | --- | --- |
|  |  | () |

#### NonSelfLevelCabDummy

|  |  |  |
| --- | --- | --- |
|  |  | () |
|  |  | () |
|  |  | () |

#### CSlopeFB&Harv (Mellgren 90)

|  |  |  |
| --- | --- | --- |
|  |  | () |

#### CRemovalsFB&Harv (Mellgren 90)

|  |  |  |
| --- | --- | --- |
|  |  | () |

#### CSlopeSkidForwLoadSize (Mellgren 90)

|  |  |  |
| --- | --- | --- |
|  |  | () |

#### Chardwood

|  |  |  |
| --- | --- | --- |
|  |  | () |
|  |  | () |
|  |  | () |
|  |  | () |
|  |  | () |
|  |  | () |

### System Product Summary

#### Amounts Recovered Per Acre

ResidueRecoveredPrimary – WT residue recovered as part of primary product, GT/ac

ResidueRecoveredOptional – Optional residue recovered, GT/ac

|  |  |  |
| --- | --- | --- |
|  |  | () |
|  |  | () |
|  |  | () |
|  |  | () |
|  |  | () |

#### Amounts Unrecovered and Left within the Stand Per Acre

GroundFuel – Activity fuels (residues) on the ground, GT/ac

|  |  |  |
| --- | --- | --- |
|  |  | () |

ResidueLLT not times 1-ResidueRecovFracWT?

#### Amounts Unrecovered and Left at the Landing

PiledFuel – Piled activity fuels (residues), GT/ac

|  |  |  |
| --- | --- | --- |
|  |  | () |

No CT and LLT residue Piled? Assume all ResidueLLT left within the stand?

#### TotalResidues

|  |  |  |
| --- | --- | --- |
|  |  | () |

### System Cost Elements

#### For Primary Products (boles & WT residues), $/CCF of material treated by the activity



#### For Optional Residues, $/GT of additional residue recovered

|  |  |  |
| --- | --- | --- |
|  |  | () |
|  |  | () |

What is the point of residue move-in costs?

#### For All Products, $/ac

|  |  |  |
| --- | --- | --- |
|  |  | () |
|  |  | () |
|  |  | () |
|  |  | () |
|  |  | () |
|  |  | () |
|  |  | () |
|  |  | (102) |
|  |  | (103) |
|  |  | (104) |
|  |  | (105) |

### System Cost Summaries

|  |  |  |
| --- | --- | --- |
|  |  | (106) |
|  |  | (107) |
|  |  | (108) |

### Limits

|  |  |  |
| --- | --- | --- |
|  |  | (109) |
|  |  | (110) |
|  |  | (111) |
|  |  | (112) |
|  |  | (113) |
|  |  | (114) |
|  |  | (115) |
|  |  | (116) |
|  |  | (117) |
|  |  | (118) |
|  |  | (119) |
|  |  | (120) |
|  |  | (121) |
|  |  | (122) |