

Column names of Common Tree Attributes to Summarize in FIA Queries

The columns listed below are tree attributes that are often used in summaries of FIA data. They range from number of trees, to volume, to biomass and carbon. Please refer to the individual column definitions for more explanation about the attributes. The column names can be used inside queries or SQL statements as the variable to sum or average for an analysis.

Note: **Merchantable bole** referred to below is the portion of the stem from a 1-foot stump to a 4" top diameter for cubic volume. The **sawlog portion** of a tree is for sawtimber sized trees, which is either 1-foot stump to a 7" top diameter for softwoods (SW) or 9" top diameter for hardwoods (HW). Boardfoot volumes are always calculated for the sawlog portion of a tree and for sawtimber-sized trees.

Column Name	Description	Table
TPA_UNADJ	Number of trees	TREE
VOLCFGRS	Gross cubic volume of the merchantable bole, cuft (DIA >= 5")	TREE
VOLCFNET	Net cubic volume of the merchantable bole, cuft (DIA >= 5")	TREE
VOLCFSND	Sound cubic volume of the merchantable bole, cuft (DIA >= 5")	TREE
VOLCSGRS	Gross cubic volume of the sawlog portion of the tree, cuft (DIA >= 9" SW, >=11"HW)	TREE
VOLCSNET	Net cubic volume of the sawlog portion of the tree, cuft (DIA >= 9" SW, >=11"HW))	TREE
VOLUME_TOTAL_STEM_WOOD	Gross cubic wood volume of the entire tree, ground to tip, cuft (DIA >= 1")	TREE_PNW
VOLBFGRS	Gross board foot volume of the sawlog portion of the tree, Int. 1/4" rule, bdft (DIA >= 9" SW, >=11"HW)	TREE
VOLBFNET	Net board foot volume of the sawlog portion of the tree, Int. 1/4" rule, bdft (DIA >= 9" SW, >=11"HW)	TREE
VOLBFGRS_SCRIBNER	Gross board foot volume of the sawlog portion of the tree, Scribner rule, bdft (DIA >= 9" SW, >=11"HW)	TREE_PNW
VOLBFNET_SCRIBNER	Net board foot volume of the sawlog portion of the tree, Scribner rule, bdft (DIA >= 9" SW, >=11"HW)	TREE_PNW
REGIONAL_DRYBIOM	Biomass of the merchantable bole, excluding bark, regional equations, pounds (DIA >= 5")	TREE_REGIONAL_BIOMASS
REGIONAL_DRYBIOT	Biomass of the total tree, excluding foliage, regional equations, pounds (DIA >= 1")	TREE_REGIONAL_BIOMASS
DRYBIO_BG	Biomass below ground, modeled, CRM, pounds (DIA >= 5")	TREE
DRYBIO_BOLE	Biomass of the sound merchantable bole, including bark, CRM, pounds (DIA >= 5")	TREE
DRYBIO_STUMP	Biomass of the stump, modeled, CRM, pounds (DIA >= 5")	TREE
DRYBIO_TOP	Biomass of the tree tip and branches, excluding foliage, modeled, CRM, pounds (DIA >= 5")	TREE

Column Name	Description	Table
DRYBIO_SAPLING	Biomass of saplings, modeled, CRM, pounds (DIA >= 1 and < 5")	TREE
CARBON_AG	Carbon mass, total above ground, excluding foliage, (sum of the DRYBIO columns*.5), CRM, pounds	TREE
CARBON_BG	Carbon mass, total below ground, modeled, CRM, pounds	TREE
CWD_LPA_ADJ	Number of CWD logs, >= 3" transect diam.	DWM_COND_DWM_CALC
CWD_CARBON_ADJ	Carbon mass of CWD logs, >= 3" transect diam., pounds	DWM_COND_DWM_CALC
CWD_DRYBIO_ADJ	Biomass of CWD logs, >= 3" transect diam., pounds	DWM_COND_DWM_CALC
CWD_VOLCF_ADJ	Cubic volume of CWD logs, >= 3" transect diameter, pounds	DWM_COND_DWM_CALC
FWD_CARBON_TOTAL_ADJ	Carbon mass of all FWD, pounds (DIA <3")	DWM_COND_DWM_CALC
FWD_DRYBIO_TOTAL_ADJ	Biomass of all FWD, pounds (DIA <3")	DWM_COND_DWM_CALC
FWD_VOLCF_TOTAL_ADJ	Cubic volume of all FWD, cuft (DIA <3")	DWM_COND_DWM_CALC