

# Carbon Accumulation Tables

**Species:** Hardwoods  
**Physiographic Region:** Georgia--statewide  
**Stand Origin:** Planted oldfield  
**Management Level:** Extensive

Each table starts with a header record that contains 8 descriptive items:

1. Species – Loblolly, Slash, Longleaf, Oak-Gum-Cypress, Oak-Hickory, Oak-Pine
2. Stand Origin – Natural, Planted, Planted Oldfield
3. Site Index (base age 50 for natural, base age 25 for planted) – Low or High for natural stands of pine (no difference for hardwood), Low, Med, or High for planted stands of pine, ALL for hardwood stands
4. Initial Density (age 10 trees/acre for natural pine (High, Low), no classes for hardwood, planting density for plantations (High, Low))
5. Level of management – Ext = extensive; Int = Intensive
6. Genetic Improvement – UI = unimproved (all natural pine and hardwood as well as plantation); in addition for plantations we have 1G and 2G (1<sup>st</sup> generation improvement and 2<sup>nd</sup> generation improvement – NOTE that plantation longleaf only has UI and 1G)
7. Physiographic Region – ALL used when we have no differences among regions (thus there is only a single all encompassing table); LCP – lower coastal plain; PID – piedmont/upper coastal plain
8. Harvest type – CC = carbon yields for a stand that has never received thinning; T22 = carbon yields for a stand that was thinned at age 22; T23 = carbon yields for a stand that was thinned at age 23, etc. Thus, users will have to know when and if their stand had been thinned – they will use the CC table for carbon yields prior to the thin; they will use the appropriate thin table after the thin (If the stand is multiple thinned – they simply need to pick the thin table closest in age to the most recent thinning operation)

**Stem Carbon = Main Stem Carbon Storage (tons per acre) for a given stand age (years).**

Oak-Gum-Cypress	Natural	ALL	ALL	Ext	UI	ALL	CC
Age	Stem Carbon						
0	0						
5	2.7						
10	7.6						
15	11.5						
20	15.4						
25	18.9						
30	21.9						
35	25.2						
40	29.1						
45	32.7						
50	36						
55	39.4						
60	42.9						
65	46.3						
70	49.6						
75	52.3						
80	54.8						
85	57.8						
90	61.2						

Oak- Hickory	Natural	ALL	ALL	Ext	UI	ALL	CC
Age	Stem Carbon						
0	0						
5	3.3						
10	8.5						
15	12.3						
20	16.2						
25	20.1						
30	23.3						
35	26.9						
40	30.8						
45	35						
50	38.8						
55	42.4						
60	45.7						
65	48.9						
70	51.8						
75	54.4						
80	56.8						
85	59.2						
90	61.2						

Oak-Pine	Natural	ALL	ALL	Ext	UI	ALL	CC
Age	Stem Carbon						
0	0						
5	3						
10	7.9						
15	11.9						
20	15.8						
25	19						
30	22.4						
35	26.1						
40	29.7						
45	33						
50	36						
55	38.8						
60	41.8						
65	44.1						
70	46.4						
75	48.8						
80	50.8						
85	52.6						
90	54.5						

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