

APPENDIX 201F: PRODUCTIVITY TABLE

Growth in Cu. Ft./Acre Per Year

(Shading indicates site indexes yielding less than 20 cubic feet of annual growth.)

SITE INDEX	16-25	26-35	36-45	46-55	56-65	66-75	76-85	86-95	96+
CONIFERS									
Cedar, White	18	27	42	59	75	93	110	131	
Fir, Balsam	18	37	68	102	130	152	179	209	
Hemlock, Eastern	18	27	42	59	75	102	131	153	
Pine, Jack		18	27	42	59	75	93	110	131
Red	18	27	42	59	75	102	131	153	
White	18	27	42	68	102	131	153	179	209
Spruce, Black	18	30	40	68	93	110	130	152	
White and Norway	18	37	56	67	78	93	110	130	
Tamarack	18	18	27	42	59	75	93	110	
HARDWOODS									
Ash, Black, Green, White		18	18	25	51	75	98	124	
Aspen, Bigtooth and Quaking			18	37	59	75	93	110	
Balsam Poplar			18	37	59	75	93	110	
Basswood, American		18	18	37	68	93	110	130	
Beech, American		18	18	37	68	93	110	130	
Birch, Paper and River			18	27	42	59	75	93	
Cherry, Black		18	18	37	68	93	110	130	
Cottonwood, Eastern					66	134	196	266	330
Elm, American			18	25	51	75	98	124	
Maple, Red and Sugar		18	18	37	68	93	110	130	
Oak, Black		18	24	35	52	80	107	136	
N. Red	18	37	56	68	80	102	130	152	
White		18	18	25	53	78	105	133	

The above values were derived from data used by Region 9 Forest Service Handbook and North Central Forest Experiment Station.

Alternate method to calculate annual growth in cubic feet/acre/year:

Determine total tree volume by the cubic cruise system. Divide the total cubic foot volume per acre by the stand age to determine annual growth in cubic feet/acre/year.