





Notes:

- The smaller the angle, more stems will be included
- Larger trees are more likely to be included in the cruise
- No need to set up plot corners: fast cruising method























To calculate whether a tree will be IN we think about the triangle.	ne D/R ratio as a
D	ВН
R = Distance from tree to point	
BAF Angle size Angle size Ratio (DBH/plot (ft²/acre) (mm) (diopters) radius)	Plot Radius Factor (PRF)
5 73.66 2.14 <u>1/46.7</u>	3.889
10 104.18 3.03 1/33.0	2.750
15 127 59 3 71 1/26 9	2 245
A 1" DBH tree measured with a 10 BAF will be IN	if its within 33



Point Sampling Inventories: Application

Step 2. Plot Radius Factor

The Plot Radius Factor (PRF) allows us to calculate for a given BAF the maximum distance (or limiting distance) that a tree can be from the point to be IN.

DBH (inches) x PRF = Maximum Distance from Point (feet)

BAF (ft ² /acre)	Angle size (mm)	Angle size (diopters)	Ratio (DBH/plot radius)	Plot Radius Factor (PRF)
5	73.66	2.14	1/46.7	3 889
10	104.18	3.03	1/33.0	2.750
15	127.59	3.71	1/26.9	2.245
20	147.34	4.29	1/23.3	1.944
25	164.73	4.79	1/20.9	1.739
30	180.46	5.25	1/19.0	1.588
35	194.92	5.67	1/17.6	1.470
40	208.38	6.07	1/16.5	1.375
50	232.99	6.79	1/14.8	1.230
60	255.23	7.44	1/13.5	1.123































- Hold chain 'like an archer' and aim the gauge at the target
- Circle around plot center and















