INSTRUCTIONS
⚠ **Keep this sheet for your records.**

FORESTRY ◆ SUPPLIERS

Using Wedge Prisms

Custom Shape Prisms
Rectangular Prisms
Square Prisms

PRISM SHAPES
Custom Shape Prisms
Accurate to ±1% of rated BAF. Efficient familiar design (30° ellipse curvature at top) for all general cruising. Base is parallel to horizontal axis for slope correction reference.

Rectangular Prisms
The most popular prism shape. Accurate to ±1% of rated BAF. Gives a narrow-sharp image for good results in dense timber.

Square Prisms
Square shape offers a larger viewing area. Accurate to ±1% of rated BAF. For general cruising in areas having less than 15% slope.

Custom Shape   Rectangular   Square

USING WEDGE PRISMS
Clear or amber glass
Clear glass prisms perform satisfactorily in most cruising conditions. Amber glass prisms prove superior when cruising is done in low light, hazy or misty conditions.

Hold it correctly
Hold prism at any convenient distance from the eye, directly over the sampling point. Hold in a vertical position and at a right angle to the line of sight.

Correct it for slope
Make corrections in point sampling when slope is 15% or greater, that is, a 15-ft. rise or drop in elevation per 100 horizontal feet. (For slope correction using a secant scale clinometer, multiply the BAF of the prism/angle gauge times the secant value of the slope in the direction of each tally tree. This reading will be the BA of the tally tree. Trees sampled in this method should be added together to obtain the total BA for the plot.) When the wedge prism is used, an appropriate on-the-ground compensation for slope can be made by tilting the top edge of the prism through the estimated slope angles.

Handling borderline trees
Tree stems not completely offset when viewed through the prism are counted; others are not tallied. Measure and check borderline trees with the appropriate plot radius factor.

No Tally   Tally   Borderline