ORGANON Calibration

• Height Calibration
  – Pass 1 – Predicts heights for all trees having an observed or measured height. Compare Predicted Height with Observed.
    • Calibration = f(Predicted / Observed)
    • If different from 1.0 (statistical test basis), than use calibration. If not...don’t.
    • Max calibration 2.0, min calibration 0.5
    • A value of 1.4 means that the sample heights are 1.4 times the height predicted by the default equations.
  – Pass 2 – predict heights of all remaining trees using default equations, adjusted by Calibration Factor.
ORGANON Calibration

- Height
- Height Growth

HEIGHT AND HEIGHT CALIBRATION EXAMPLE

*** please wait - determining height calibration value

HT's entered  

DOUGLAS FIR ht generation calibration value = .70  (18)

*** please wait --- missing heights are being calculated
tree height predicted from 18 entered heights

<CR> to continue
Session 3—Model Calibration or Localization

Slide 1

Overview
Approaches
Summary

ORGANON Calibration

• Crown Ratio

CROWN RATIO CALIBRATION EXAMPLE

*** please wait - determining crown ratio calibration value

CR's entered

DOUGLAS FIR crown ratio calibration value = 1.23 (19)

*** please wait - missing crown ratios are being calculated
0 crown ratios predicted from 19 entered crown ratios

<CR> to continue
Session 3—Model Calibration or Localization

Slide 1

ORGANON Calibration

- Diameter Growth
  - Radial Growth needed
  - Back date diameter with measured radial growth.
  - Grow forward
  - Now have predicted/Measured
  - Develop Calibration Ratio similar to Height

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Session 3– Model Calibration or Localization

Overview
- ORGANON Calibration
  - Stand Density Index Adjustment

Slide 1

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Session 3—Model Calibration or Localization

Slide 1

Overview
Approaches
Summary

ORGANON Calibration

- Data Driven (excepting Max SDI adjustment)
- Selectable
- No Adjustments to Equation Forms, Parameters, or other components – calibration “multipliers” only.

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