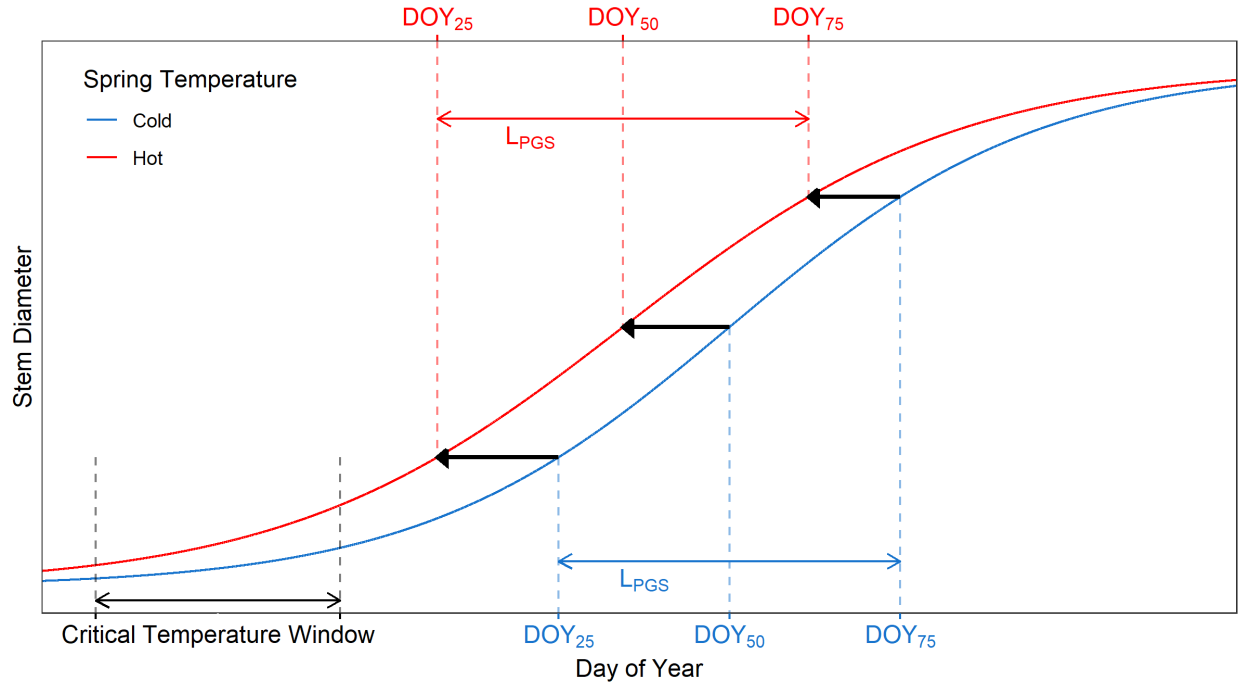


(a)



(b)

|                  |  | Response to warmer spring T |       |                |       |
|------------------|--|-----------------------------|-------|----------------|-------|
|                  |  | SCBI                        |       | Harvard Forest |       |
| Variable         | Definition   | RP                          | DP    | RP             | DP    |
| Timing of growth |  |                             |       |                |       |
| $DOY_{25}$       | day of year at which 25% of growth is achieved       | ↓                           | ↓     | ↓              | ↓     |
| $DOY_{50}$       | day of year at which 50% of growth is achieved       | ↓                           | ↓     | ↓              | ↓     |
| $DOY_{75}$       | day of year at which 75% of growth is achieved       | -                           | ↓     | ↓              | ↓     |
| $L_{PGS}$        | peak growing season length ( $DOY_{75} - DOY_{25}$ ) | -                           | -     | -              | ↑     |
| Growth rate      |  |                             |       |                |       |
| $g_{max}$        | maximum growth rate                                  | -                           | -     | ↓              | ↓     |
| Annual growth    |  |                             |       |                |       |
| $\Delta DBH$     | annual growth  | -                           | -     | ↓              | -     |
| $RWI$            | ring width index from tree-ring chronologies         | mixed                       | mixed | -              | mixed |