

**COMMERCIAL THINNINGS**

- INCREASE RATE OF RETURN
- CONCENTRATE GROWTH ON BEST
- OBTAIN EARLY RETURNS
- CONCENTRATE GROWTH ON BEST TREES
- ENHANCE WILDLIFE HABITAT
- SALVAGE TREES WHAT WILL DIE

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**INTERMEDIATE TREATMENTS**

- CONTROL UNDERSTORY (FIRE)

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**Dense hardened understory.**



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•CONTROL STOCKING (SPACING)

1ST THINNING 55-60 BA/AC

2ND THINNING 65-75 BA/AC

3RD THINNING 75-85 BA/AC

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**Over stocked  
plantation in need  
of thinning**

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**Stand properly  
thinned**

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**PRESCRIBED BURNING**

- UNDERLINE PRESCRIBED!!
- MANAGE SMOKE
- TIMING IS EVERYTHING--WELL ALMOST

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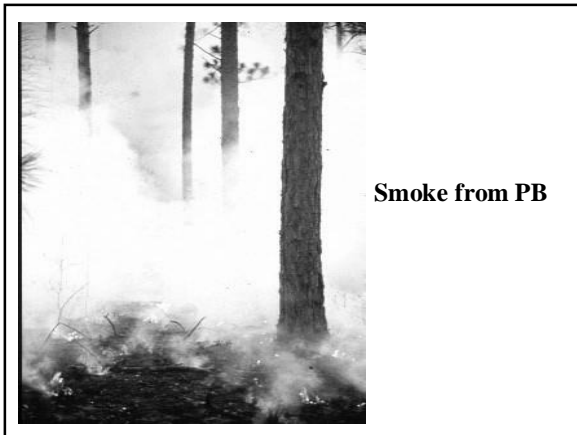
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**PEST MANAGEMENT**

- SOUTHERN PINE BETTLE
- OTHER BARK BETTLES
- FUSIFORM RUST
- BROWN SPOT NEEDLE BLIGHT
- *Fomes annosus* ROOT ROT
- TIP MOTH
- PALES WEEVIL

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**OVERALL MANAGEMENT**

- BUILD UP GROWING STOCK VOLUME TO CAPACITY OF PROPERTY--THEN CUT ANNUAL GROWTH
- UNTIL THEN CUT ONLY PART OF ANNUAL GROWTH
- CONCENTRATE EFFORTS FIRST ON BEST SITES AND UNSTOCKED STANDS

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**Unproductive stand needing reforestation**



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**Well stocked seedling / sapling stand**



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