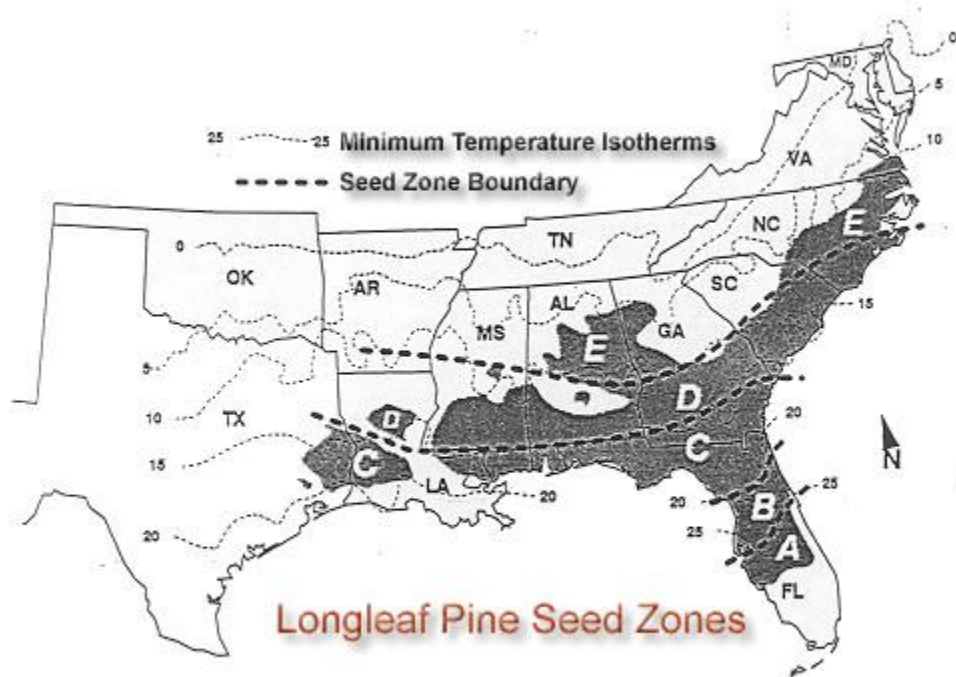


Rules of Thumb When Determining the Seed Source For Your Trees:



Rule #1 Seed may be collected within a zone for planting within that zone

Rule #2 Seed should not be moved from more than one zone distant

Rule #3 Seed from one zone warmer (moved north) will generally result in trees with increased growth compared with local sources

Rule #4 Seed collected from one zone cooler (moved south) will generally result in trees with decreased growth compared with local sources

Reference: Schmidting, R.C., Longleaf pine genetics. In: Proceedings of the 2nd Longleaf Alliance Conference, November 17 - 19, 1998, Charleston, SC. Longleaf Alliance Report No.4, June 1999 pps. 24 - 26.

In subsequent work, Schmidting (2001) recommended in favor of moving seedlings within the seed zones (east to west) rather than between south to north zones.

What about “improved” longleaf? There is an increasing interest in selecting for faster growth, reduced time in the grass stage, or increased resistance to brown spot needle blight. Compared to loblolly or slash pine, much less work has been done in tree improvement for longleaf. But compared to loblolly or slash, longleaf was already naturally superior in drought and disease resistance, firmness in wind, strength, and other attributes.