PLANNING & DESIGN CONSIDERATIONS

Purpose of the planting:
Windbreaks & shelterbelts
Living snow fences
Wildlife
Aesthetics
Commercial (Christmas trees, orchards)
Reforestation / afforestation
Erosion control
Noise & visual barriers/screens

(may be more than one purpose to a tree planting)

Location Considerations:
Space Available
Spacing between rows
Supplemental watering
Species size
Implement access
Spacing in row
Tall deciduous: 8-18 feet
Evergreen: 8-14 feet
Short deciduous: 8-12 feet
Junipers: 6-12 feet
Shrubs: 3-6 feet
Proximity of roads, buildings or utility lines
Obstruction of view
Attract/discourage wildlife
Livestock in area?

Physical Considerations:
Soil
Depth
Texture (sandy vs. clay)
Chemistry (alkaline vs. acidic)
Slope steepness
Direction of prevailing winds
Shade vs. sunlight (aspect)
Elevation
Other Considerations

Site preparation needed
- Plowing and discing the area
- Vegetation control

Is supplemental water available?
- Seepage
- Sprinkler overspray
- Drip irrigation
- Nearby irrigation ditch
- Run-off collection

Native versus non-native species

Ensuring the survival of your seedlings

Weed control
- Weed barrier fabric (woven polypropylene geotextile fabric)
- Mulch
- Cultivation
- Herbicide

Water delivery
- Drip
- Pipe
- Sprinkler
- Hydrosource polymer
- Ditch
  - Weed barrier fabric – to conserve moisture

Protection from wildlife & livestock
- Mesh guards
- Homemade guards
- Corrugated tree protector
- Fencing
- Repellents (commercial: Plantskydd or homemade)

Wind & solar protection
- Shingles or shakes
- Corrugated tree protector
- Hay bales
- Old Tires
  - Natural features (stump, slash, etc.)

Fertilizer tablets