

# 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)

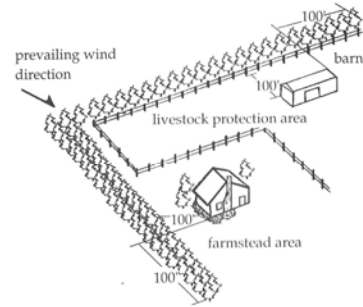


Figure 1: Windbreak area of protection

## Location Considerations:

Space Available

- Spacing between rows
- Supplemental watering
- Species size
- Implement access

Spacing in row

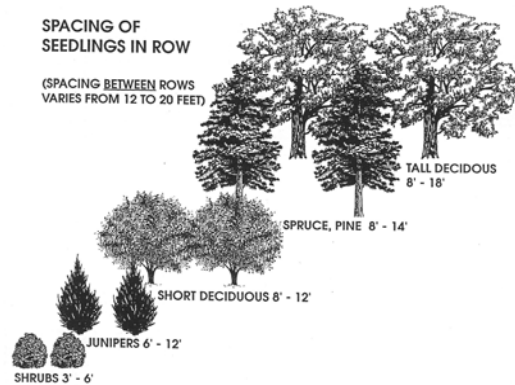
- Tall deciduous: 8-18 feet
- Evergreen: 8-14 feet
- Short deciduous: 8-12 feet
- Junipers: 6-12 feet
- Shrubs: 3-6 feet

Proximity of roads, buildings or utility lines

Obstruction of view

Attract/discourage wildlife

Livestock in area?



## Physical Considerations:

Soil

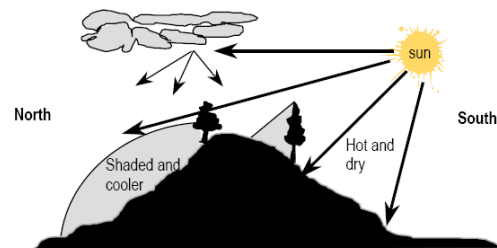
- Depth
- Texture (sandy vs. clay)
- Chemistry (alkaline vs. acidic)

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

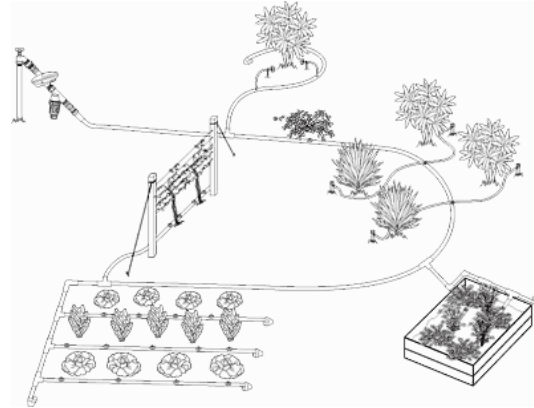
- Sprinkler overspray

- 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

