

Forestry Reclamation Approach
Step 5
Use Proper Tree Planting Techniques



Proper Tree Planting Techniques

- **Selecting and ordering seedlings**
- **Handling and storage of seedlings**
- **Preparing seedlings for planting**
- **Planting tree seedlings**
- **Post-planting assessment**

Selecting and Ordering Tree Seedlings

- Review permit reforestation plan and place seedling orders at least six months in advance
- Select seedlings grown from seed collected from the same geographic region where they will be planted









Handling and storage of seedlings

- **Limit stress to seedlings - they are living organisms**
- **Keep seedlings in regulated cold storage or in a cool, moist location**
- **Keep nursery bags from freezing and out of direct sunlight**
- **No additional root pruning**







Thermo-Kool



NOTICE
DO NOT
[Symbol]

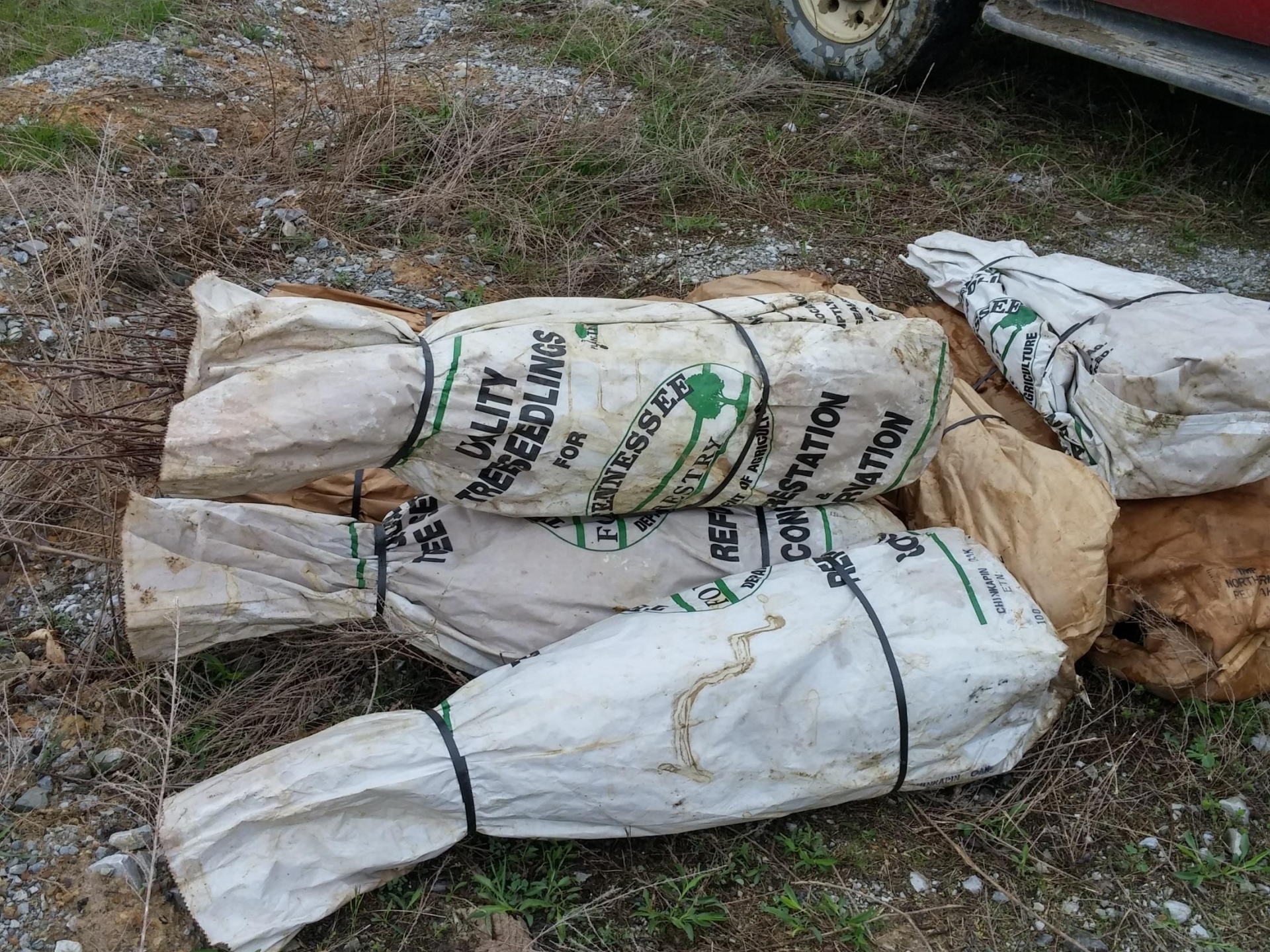
Thermo-Kool



NOTICE
DO NOT
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Planting Tree Seedlings

- **Protect seedlings from sun and wind**
- **Mix species in planting bag**
- **Use the right planting equipment**
- **Use correct planting procedures**
- **Closely supervise planting crew**



QUALITY
TREESEEDLINGS
FOR



REFORESTATION
&
CONSERVATION

MADE IN THE
UNITED STATES
OF AMERICA

AGRICULTURE

THE
NORTH
RE



QUALITY
SEEDLINGS

















Hoedad



KBC



Spade



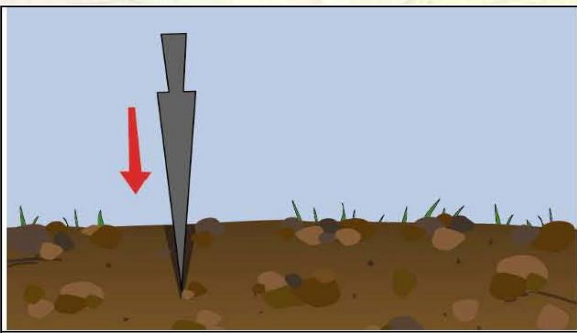
Dibble



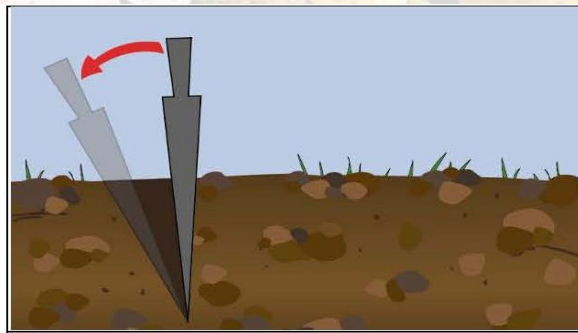
Planting location

- **Choose a location best for trees - loose soil and low ground cover**
- **Allow for soil settlement**

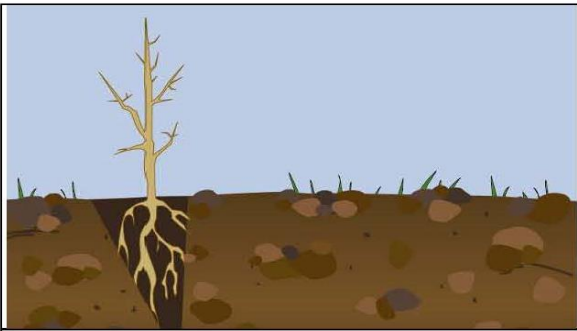




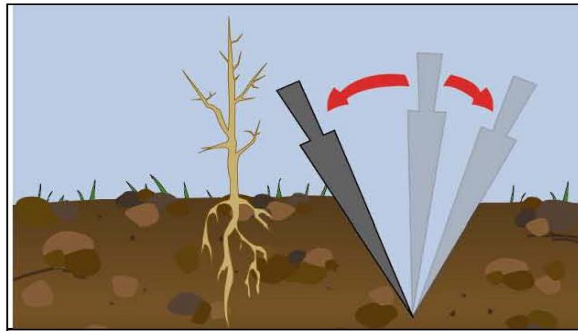
Step 1: Drive the planting bar into the soil to the depth necessary to accommodate the entire root system.



Step 2: Push the handle back and forth to open the hole.



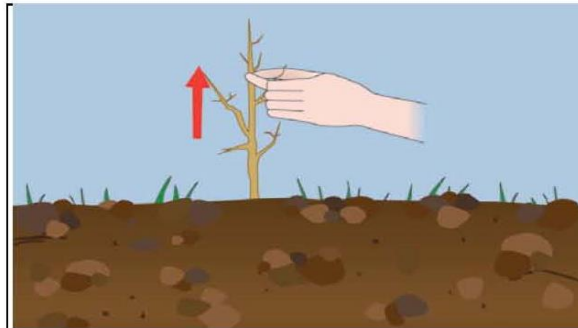
Step 3: Remove the bar and place the seedling in the hole one inch deeper than nursery depth, making sure that all roots are pointing down and contained within the planting hole.



Step 4: Drive the planting bar into the soil at an angle toward the bottom of the planting hole about 3-4 inches behind the seedling. Push planting bar back and forth to close the top and bottom of the planting hole making sure that all air pockets are removed and the entire root system is in contact with the soil.



Step 5: Remove the planting bar and fill the second hole with soil.



Step 6: Test for secure planting by grabbing the top shoot between two fingers and pulling up. If the seedling is loose, place additional soil around the seedling and pack with your heel.





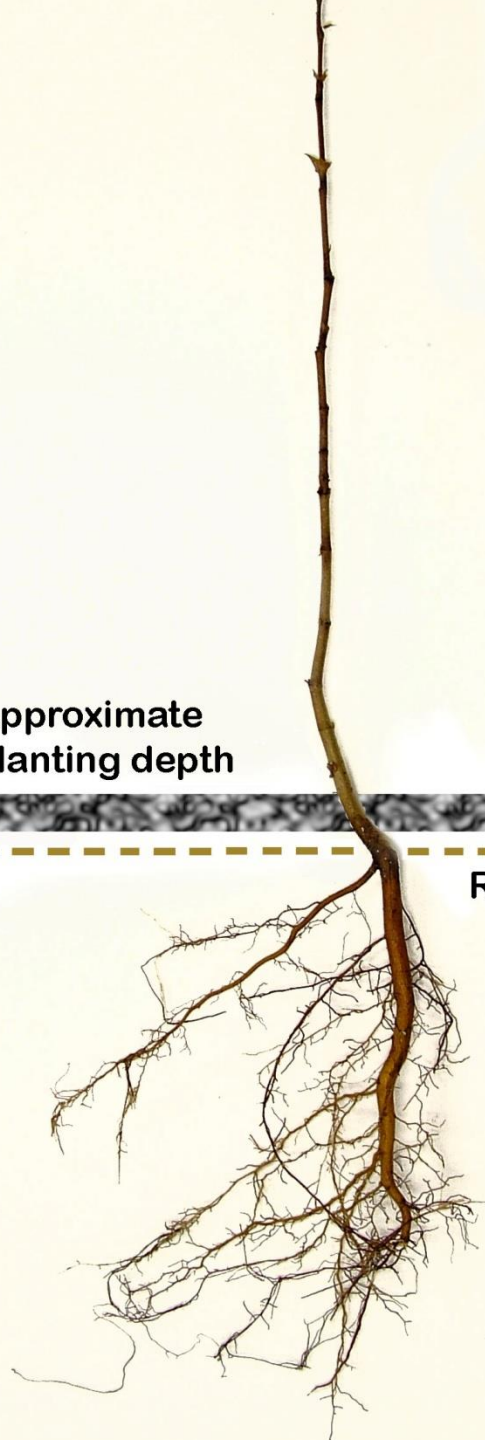
Planting depth

- **Plant seedling at least 1 -2 inches below the root collar**

**Approximate
planting depth**



Root collar











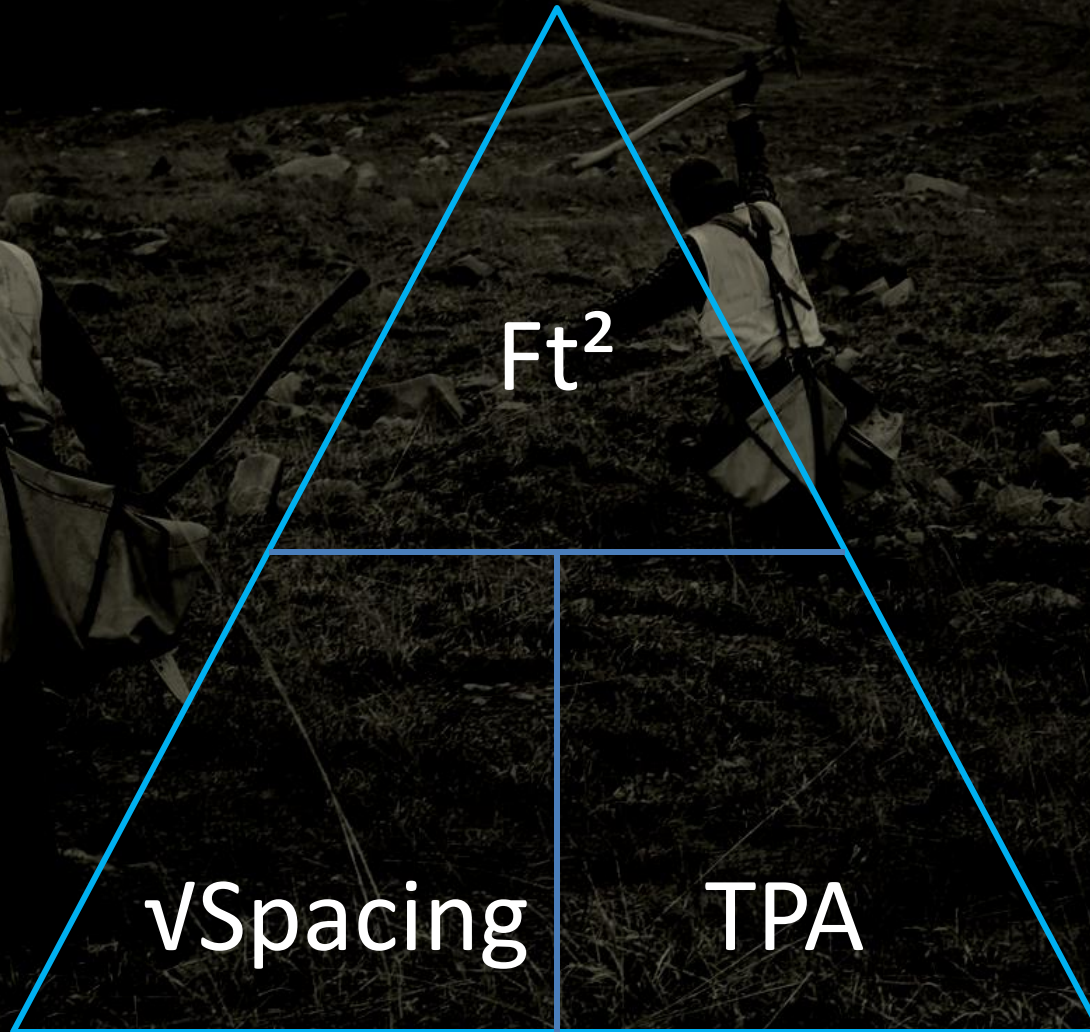






43,560 = 680 TREES PER ACRE

8x8



Number of trees per acre at different spacings:

Spacing (ft)	Trees per acre
4×4	2,722
5×5	1,742
6×6	1,210
7×7	890
8×8	680
9×9	538
10×10	436
11×11	368
12×12	303



Post-planting assessment

- **Identify the bond release tree stocking standard for success**
- **Conduct survival assessment during second year**
- **If necessary, replant in second year to achieve desired stocking without extending the liability period**













A photograph of a forest with tall, thin trees and a stream. The ground is covered in fallen leaves and branches. Two people are standing near the stream. The word "Questions?" is overlaid in large white text.

Questions?