

Forestry Reclamation Approach

Step 5

Use Proper Tree Planting Techniques



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Proper Tree Planting Techniques

- **Selecting and ordering seedlings**
- **Site preparation**
- **Proper handling and storage**
- **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**









Site Preparation

- **Additional site grading will not be needed if FRA steps 1 – 4 are properly completed**
- **Dozer ripping can be used to treat previously compacted areas**







Handling and storage of seedlings

- **Limit stress to seedlings which 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
ENTER
UNLESS
AUTHORIZED
PERSONNEL
ARE PRESENT

Thermo-Kool



NOTICE
DO NOT
ENTER
UNLESS
AUTHORIZED
PERSONNEL
ARE PRESENT



Fobro

Fobro
SUPER HD

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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**

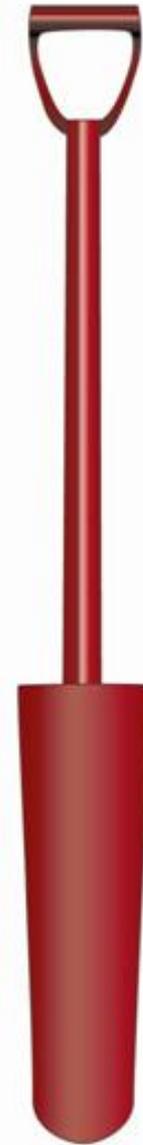




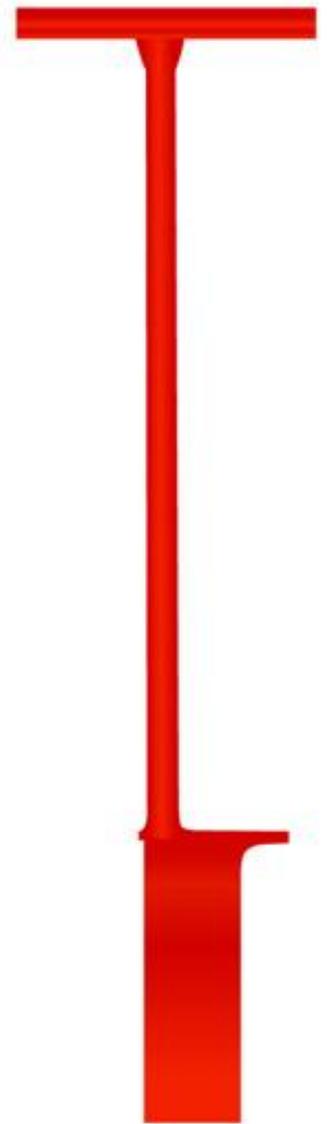
Hoedad



KBC



Spade

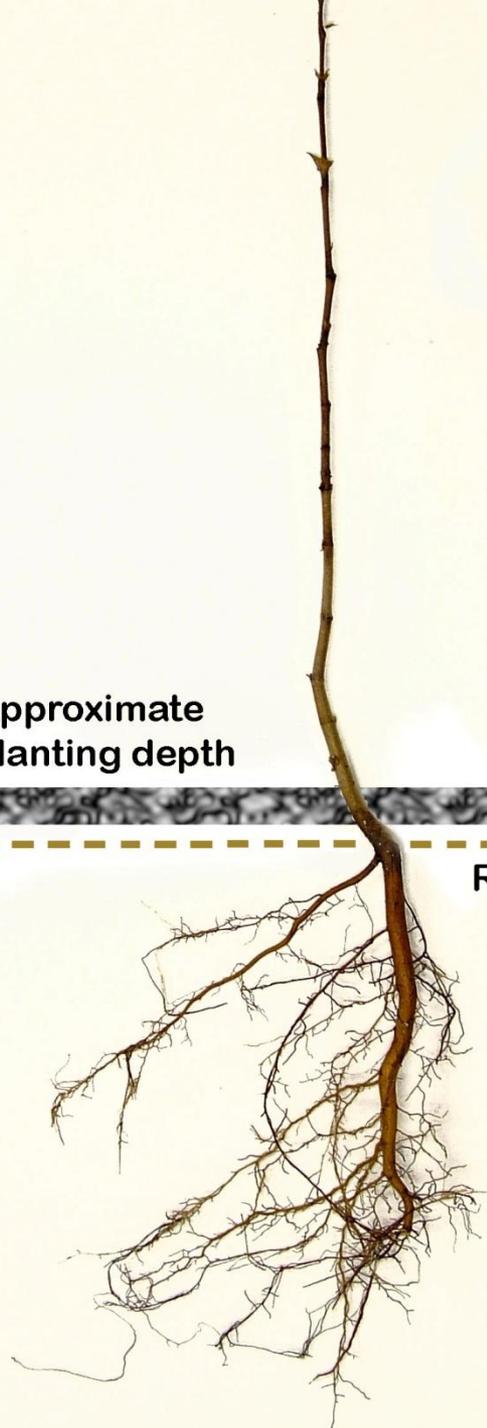


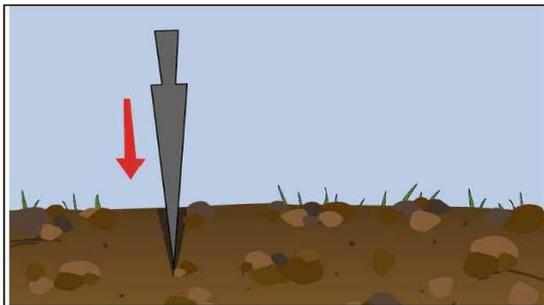
Dibble

**Approximate
planting depth**

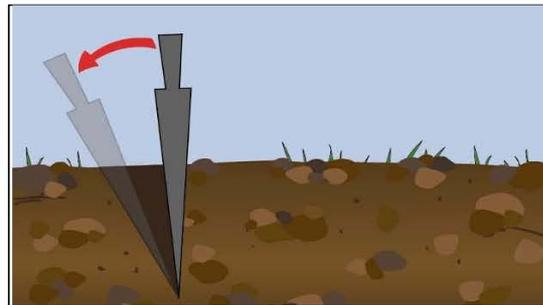


Root collar

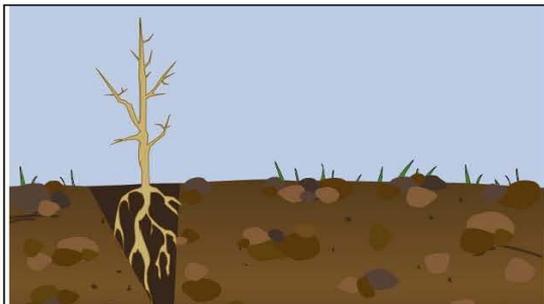




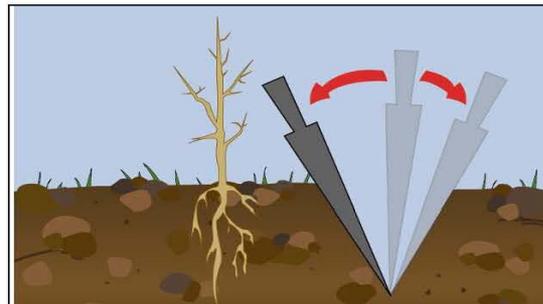
Step 1: Drive the planting bar into the soil to the depth necessary to accommodate the entire root system.



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



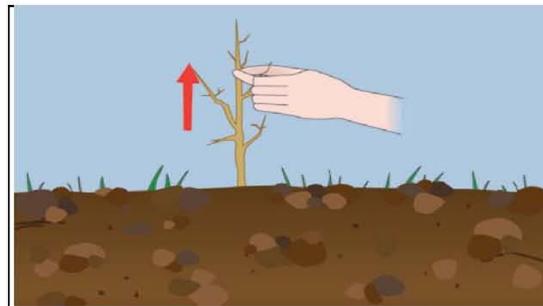
Step 3: Remove the bar and place the seedling in the hole one inch deeper than nursery depth, making sure that all roots are pointing down and contained within the planting hole.



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.









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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**



Trees 3 years old



Trees 5 years old