

Watering Strategy for Root Growth □

For 50–60 cm Nordic White Cedar Trees in Forest Soils

Challenge: Hydrophobic Soil

- Dry, organic-rich soil can become water-repellent.
- Water beads on top instead of soaking into the root zone.
- Young cedars with shallow roots are vulnerable.

Recommended Watering Routine

- **Deep Soak:** Once per week, apply **10–15 liters** of water slowly per tree.
- **Top Sprinkle:** Every 2–3 days, add **0.5 liter** to prevent surface crust.

How to Apply Water Effectively

1. Create a **20–30 cm hydration basin** around the tree.
2. Pour water slowly to avoid runoff.
3. Let water soak in deeply to promote root descent.

Optional Enhancements

- Add **1 drop of unscented dish soap per liter** to break surface tension.
- Use **coarse mulch** (e.g., wood chips) to retain moisture, but keep 5 cm away from stem.

Summary Strategy

- Deep water once per week trains deep roots.
- Light surface watering prevents hydrophobic topsoil.
- Adjust based on weather and tree age (more deep water in drought).