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OPTIMIZED FOREST SEED COLLECTION -theme day

FOREST SEED COLLECTION
IN FINLAND

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Tapio Seed Centre
• WHY collect seeds from forests?
  – Forest cultivation (esp. seeding) vs. orchards’ capacity

• WHEN?
  – Cone years

• OPERATORS
  – Private (Tapio, forest associations)
  – State
• **FINANCING**
  - Siemen-Tapio, foundation
  - state budget

• **HOW MUCH?**
  - Southern Finland, 3-5 years
  - Northern Finland, 5-10 years
  - safety storage, northern forests
• **AMOUNTS of seeds collected**
  – Average cone year
    • Pine, all 10 - 15 000 kg
    • forest seed 4 - 9 000 kg
  – Cone year autumn 2006
    • All seeds (pine & spruce) 27 000 kg
    • All forest seeds 19 000 kg
    • Spruce forest seed 11 000 kg
    • Pine forest seed 8 000 kg
• COLLECTIONS
  – October > April
  – notification before start (Evira)
  – information, documents (origin etc.)
  – storage and transportation

• COLLECTION AREAS
  – Southern, northern differ
• **RESEARCH**
  – Metla, logistics of forest cones
  – Tapio, sorting of spruce seeds

• **CURRENT SEED RESERVES**
  – Pine, spruce, birch, larch
  – collected in recent years
  – high quality