

**UPTIC Field Stop  
SAF Spring Conference  
Emerging Technologies in Woody Biomass Use**

**FIBER FARM**

- Six taxa planted in the spring of 1998 (entering the 10<sup>th</sup> growing season)
  - European larch, aspen, NE-222, DN34, DN5 (P. deltooides X P. nigra), & NM-6 (P. nigra X P. maxomowiczii)
  - Fertilized & weeds controlled for 3 years
- Last year (year 9) growth:
  - NM-6                   100% or **3.7 dry tons/year** (5.7" DBH)
  - NE-222                70% or 2.6 dry tons/year (5.1" DBH)
  - DN-5                 63% or 2.3 dry tons/year (5.0" DBH)
  - DN-34                47% or 1.7 dry tons/year (4.2" DBH)
  - Aspen                 27% or 1.0 dry tons/year (3.6" DBH)

**ALBA – ASPEN CROSSES & BACK CROSSES TRIAL**

- 3-tree plots planted in the spring of 1992 (entering the 16<sup>th</sup> growing season)
- Best plot is a P. rouleauiana (#55-51 :: 10.3" DBH & 61' tall in 15 years.
- General Summary:

| <b>Survival and growth (after 15 years) of selected poplar taxa in this trial</b> |          |            |           |
|---|----------|------------|-----------|
| Taxa  | Survival | DBH (2006) | Ht (2006) |
| P. alba   | 71%      | 7.8"       | 48'       |
| P. X smithii [P. grandidentata x P. tremuloides]                                  | 14%      | 7.7"       | 57'       |
| P. X canescens [P. alba x P. tremula]   | 49%      | 6.8"       | 51'       |
| P. X rouleauiana [P. alba x P. grandidentata]                                     | 53%      | 6.2"       | 43'       |
| P. grandidentata x P. tremula   | 25%      | 5.8"       | 50'       |

**WILLOW CLONAL YIELD TRIAL**

- Planted in the spring of 2002 (entering the 6<sup>th</sup> growing season)
- Harvested in the fall of 2003 & 2004. The growth here is 2 years worth.
- Next harvest will be in the fall of 2007, then every 3 years thereafter.
- Yields are expected to be >3 dry tons/acre-year once established.

