Time Line for Back Cross Breeding

Year 0:  Fall:  Stake rows and establish Deer Fence. Or at least establish corners of site. If possible, establish rows with Glyphosate.

Year 1:
  March:  Flag rows at 6 or 7 ft. interval, spray again with RoundUp.
  April:  Layout BlueXs and Bamboo stakes. Plant two lines in alternating rows 1, 2, 4, 5, 7. Plant controls, if available. Reserve rows 3, 6, 8 for Third line. Place permanent tags for sites planted.
  May 15:  Treat with Roundup, establish drip irrigation lines, fertilize with Osmocote, and mulch with composted bark. Assess germination.
  June:  Reassess germination. Consider mefenoxam soil drench (for Phytophthora cinnamoni) and Agri-Fos monthly x 3 treatments.
  July-August:  Treat with Glyphosate for weed control approximately monthly and mow as needed. Hand weed BlueXs as needed.

Year 2:
  March:  Flag, stake and tag rows 3, 6, 8 for Line 3.
  April:  Plant third line and fill in with controls. Prune existing rows for basal sprouts.
  July-August:  Continue Weed Control and Mowing.

Year 3:
  March-April:  Begin monitoring for Asian Ambrosia Beetle: degree days and traps.
  May 1:  Assess bud flush and leafing out times weekly. RoundUp for weed control. Apply Osmocote. Remove BlueXs, if necessary and replace with alternative vole protection.
  June 1-15:  Assess catkin blooming in rows 1, 2, 4, 5, 7.
  May-August:  Weed maintenance: Apply RoundUp and mow.

Year 4:
  Continue fertilizer, maintenance, weed control and assessments. Add DBH measurement to data.

Year 5:
  Continue fertilizer, maintenance, weed control and assessment. Evaluate trees for possible inoculation.


Year 8 & 9:  Remove non-selected trees. Intercross selected trees (4-6 per line).and move seeds to the seed orchard.