

Bringing Research to New Hampshire Forests- Fox Forest, September 19, 2008

Mail in responses: What do you think the top 3 topics for future applied forest research should be?

1) Soil nutrients on woodlots with consecutive chipping harvest

1) Achieving successful regeneration of northern hardwood (sum/ybh/beh) on a northern hardwood site
2) Eliminating excessive beech regeneration in the understory

1) Long term effect on TSI on changing forest composition 2) Long effect of forest road installation on landowners interest to manage the forest

1) Promoting quality hardwood regeneration 2) long-term logging impacts
3) techniques to contain/eliminate invasives

1) The reintroduction of the vanishing forester 2) Forest migration 3) seed crop cycles

1) Forest & wildlife response to uneven-age management
2) Long term growth & response to various management techniques and possible effects of climate change

1) Markets for all logs

1) Economical harvesting systems and how to achieve silvicultural plans considering the total costs!
2) Regional BA reductions for threatened commercial species i.e. hemlock & HWA

1) Invasive insects 2) Tree Biology

1) Managing invasive species 2) Recommended buffers for wetlands 3) Managing beech & striped maple

1) With the influx of development and hopes for more biomass electrical plants, how many can NH (or NE) biomass plants can NH sustain especially with schools/hospitals jumping on the band wagon?

1) Possible alternative species/crops to feed the growing biomass market.
2) How can we use our open space to feed this growing market?

1) Development of efficient inventory methods
2) Development of improved control methods/response to control methods of invasive species
3) Long-term silvicultural field trials to track results of repeated stand entries on forests.

1) What effects do invasive species have on Forests for the long term?
2) Uses for low grade wood locally, i.e. energy or fuel

1) Energy/Ethanol 2) Carbon Sequestration 3) Effects of warming temperatures on tree growth

1) Acid rain effects utilization 2) w. pine weevil

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Mail in responses: What do you think the top 3 topics for future applied forest research should be?

1) Local production of clean burning wood 2) Population dynamics of NH & changing landownership
3) Making a profit from forest land beyond wood products.

1) Soil/site relationships w/various objectives to manage various forest types.
2) Beech- has beech bark disease and past harvesting created dense beech understories?

1)Develop a science-based forest ecosystem health monitoring system for NH (measure floral and edaphic variables and damaging agents) 2)Develop a multi-resource harvest assessment protocol to evaluate: a)timber harvesting impacts and contributions to bio

1)Effect on climate change on forest composition and productivity in the NE
2)Effectiveness of crop tree release on different sites 3)Age class density relationship to mortality

1)Relation of grade (lumber) to pruned wood (stand health)
2)effects of total tree harvest vs. selective on health of stand

1) diameter limit harvests 2) wetland 100' buffers: no cut or 50% BA? 3) Invasive insect control strategies.

1)Whole-tree harvesting effects on NH's soils 2) Harvesting effect on the understory & herbaceous layer

1) Impact on wildlife with Forest Management

1) Biomass/low grade effects on climate change

1)Climate change 2) Application of new technology for optional utilization & silviculture given increased need for sources of renewable energy 3) Integrating timber & wildlife goals

1) Non-native invasives (plants, diseases, insects)- impact –control management 2) Green certification implications of energy conservation challenge 3) Forestry opportunities & implications in NH resulting from green construction & engineered composites

Responses from people not attending:

1) The use of forests as part of a local carbon-negative energy program. a) The reliability of biochar as a carbon storage agent. b) the affect of bio-char as a forest production enhancer. c) the equipment set needed to convert forest wastes to a form that maintains the vigor of the stand but is efficient at getting most of the value from waste and keeping nutrients on site.

1) Site performance, 2) Describing ways to communicate tree physiology to practitioners
3) Carbon Negative energy.

1) Protecting diversity in the face of climate change (managing for) Managing and Control/Prevention of invasive species from anywhere.