



Annual shoot development dynamics of hybrid aspen: results of

2010, 2011.

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Materials and method



Progeny trial No. 620 with 15 hybrid aspen clones, represented by 25 ramets with initial spacing 3 x 3 m, has been established in former agricultural land in central part of Latvia. Inventory of phenology and measurements have been carried out in 4th and 5th growing season, starting from middle of April, with an interval of 1 week on average.



Materials and method



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Leaf prosperity phases







Differences between leaf prosperity was 12 day in phase 2 in 2010

But in 2011. only 2 days.

Differences between leaf prosperity was 4 days in phase 5 in 2010

But in 2011. 7 days.



Development of tree height increment with different bud burst phenology pattern 2010







Development of tree height increment with different bud burst phenology pattern 2011







Intensity of height growth per day, mm *10, of clones with different bud burst and mean temperature °C 2010.





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Total length of height increment and length of used vegetation period for particular hybrid aspen clones 2010





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Total length of height increment and length of used vegetation period for particular hybrid aspen clones 2011



Used vegetative period, days Height increment,cm A'95 16'95 30'95 **Clone No.**

■ Hincr11 ■ KopāVegper.



Conclusions



Hybrid aspen clones have 2 height increment culminations – end of May and middle of July;

Height increment have strong correlation this average temperature of day;

Clone who have longer used vegetation period have bigger height increment;

Growing intensity have bigger influence to total height increment of middle of July in 2010, but in 2011 midle of June.

Thank You for attention!





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