



Genetic improvement of Sycamore (Acer pseudoplatanus) and ash (Fraxinus excelsior) in Ireland

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Grants & annual Premia ( Furos)				
Species	Establishment Grant / ha	Annual Premiun ha /p.a. > 6ha (20 yrs)		
Oak	6920	559		
Ash & Syc	5199	522		
**Conifer	3573	464		

in Ireland					
	% by species	Annual plant needs ( x 10 <sup>6</sup> )			
Broadleaves					
Ash	46	4.0			
Oak	21	3.0			
Alder	20	5.5			
Sycamore	4	0.5			
Beech	2	1.5			
Other	7	3.0			
Conifers					
Sitka Spruce	65	35			
Others	35	18			



- Breeding seedling orchards ( regions of provenance based )
- Testing viability of clonal material

Emocios			
Species	Seed stands (ha)	Seed Orchards (ha)	estimated need (ha)
	Broa	dleaves	
Ash	154	2.0	10
Sycamore	7	0.6	2
	Co	mifers	
Picea sitchensis	589	5.0	35
Picea abies	438	0	20
Larix kaempferi	49	0	15
Larix x eurolepis	3	0.7	15
Pinus contorta	13	5.6	6
Pinus sylvestris	131	2.5	4



























Hedges of ash clones at Teagasc, Kinsealy

















Thanks to: Coillte British & Irish Hardwood Improvement Programme (BIHIP) European colleagues EC- former projects COFORD (national funds)

Colleagues: John Mc Namara Sean Egan P. Doody



Improving culture initiation: •Flushing stage is most responsive •Summer dormant buds not responsive •Stimulation of secondary flushing by defoliation





