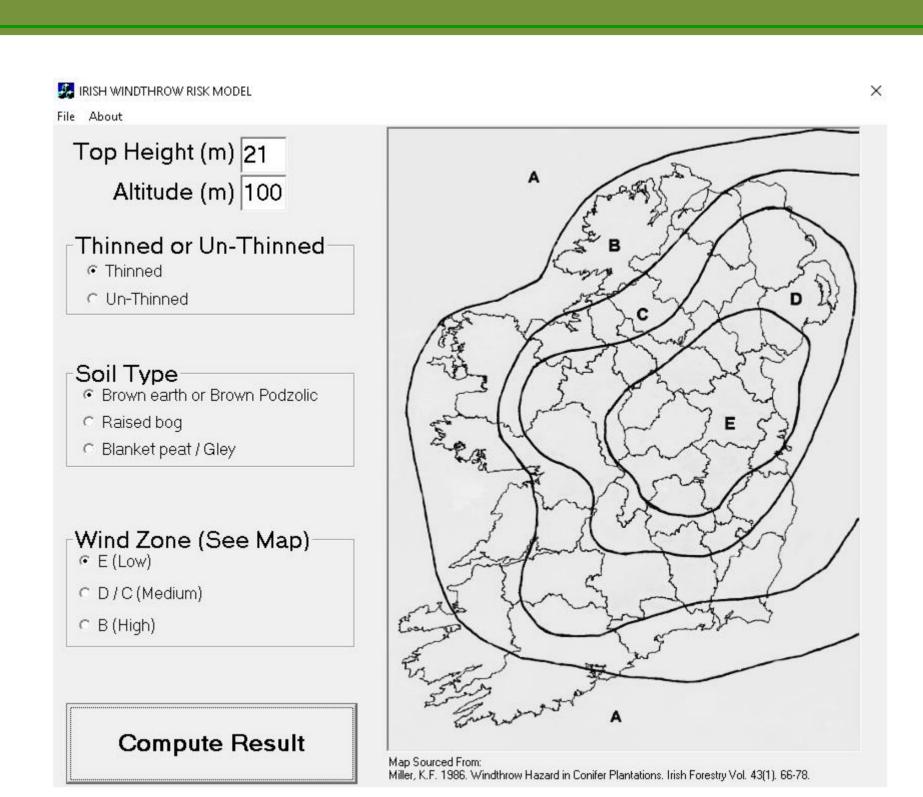
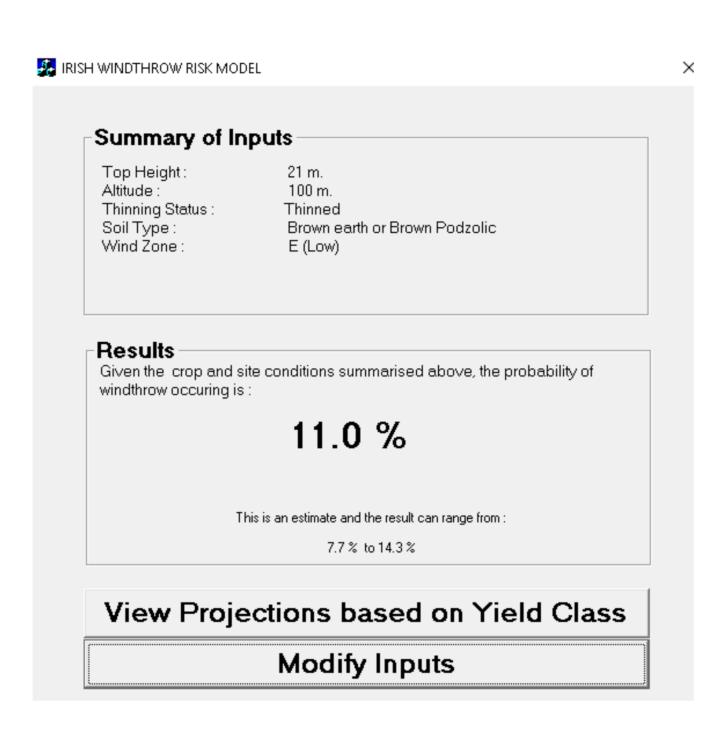


Deciding to thin your forests and Recommended practice

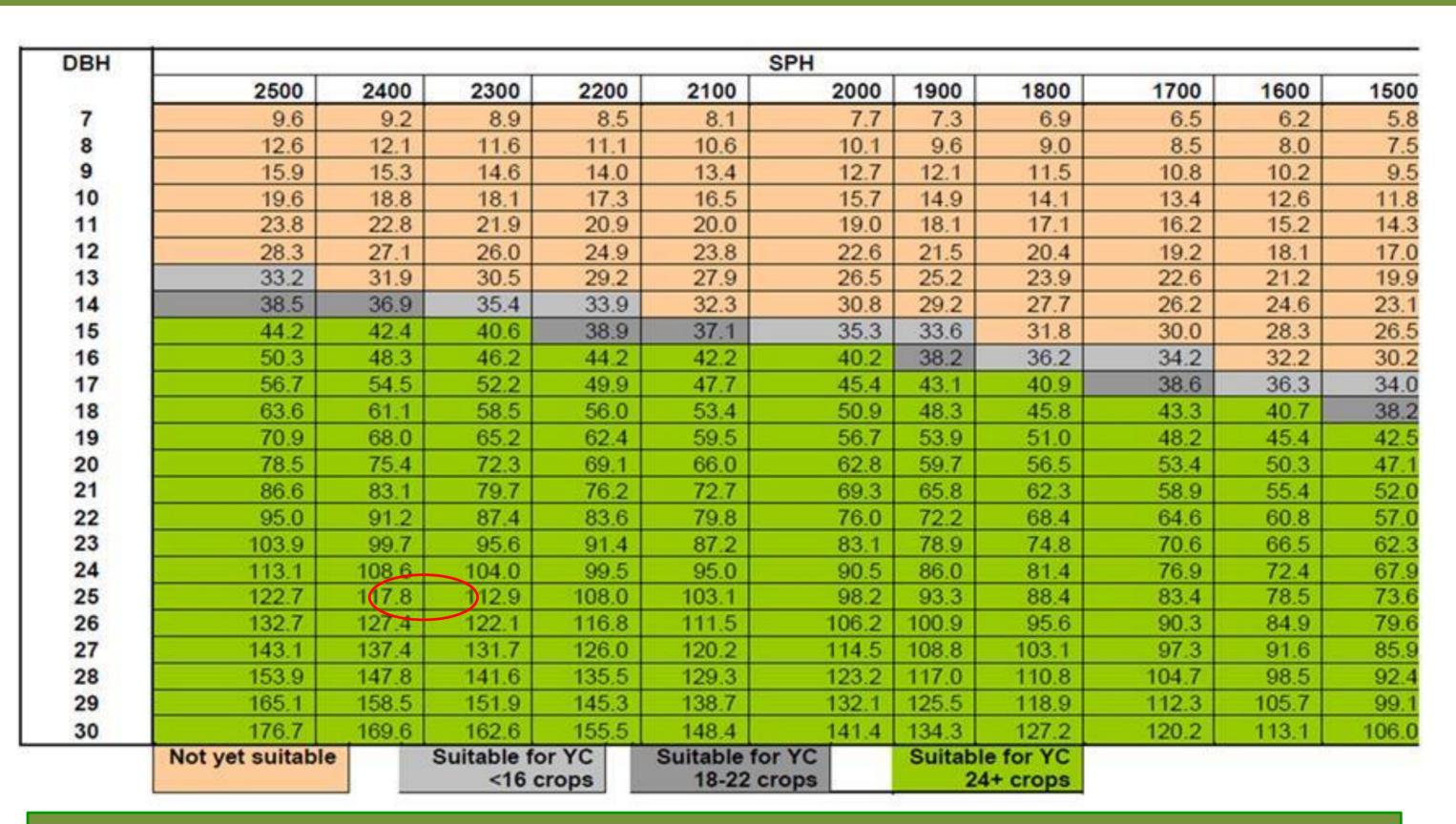
Decision support tools to assist in making a decision on whether to thin your forest







Assess Windthrow risk

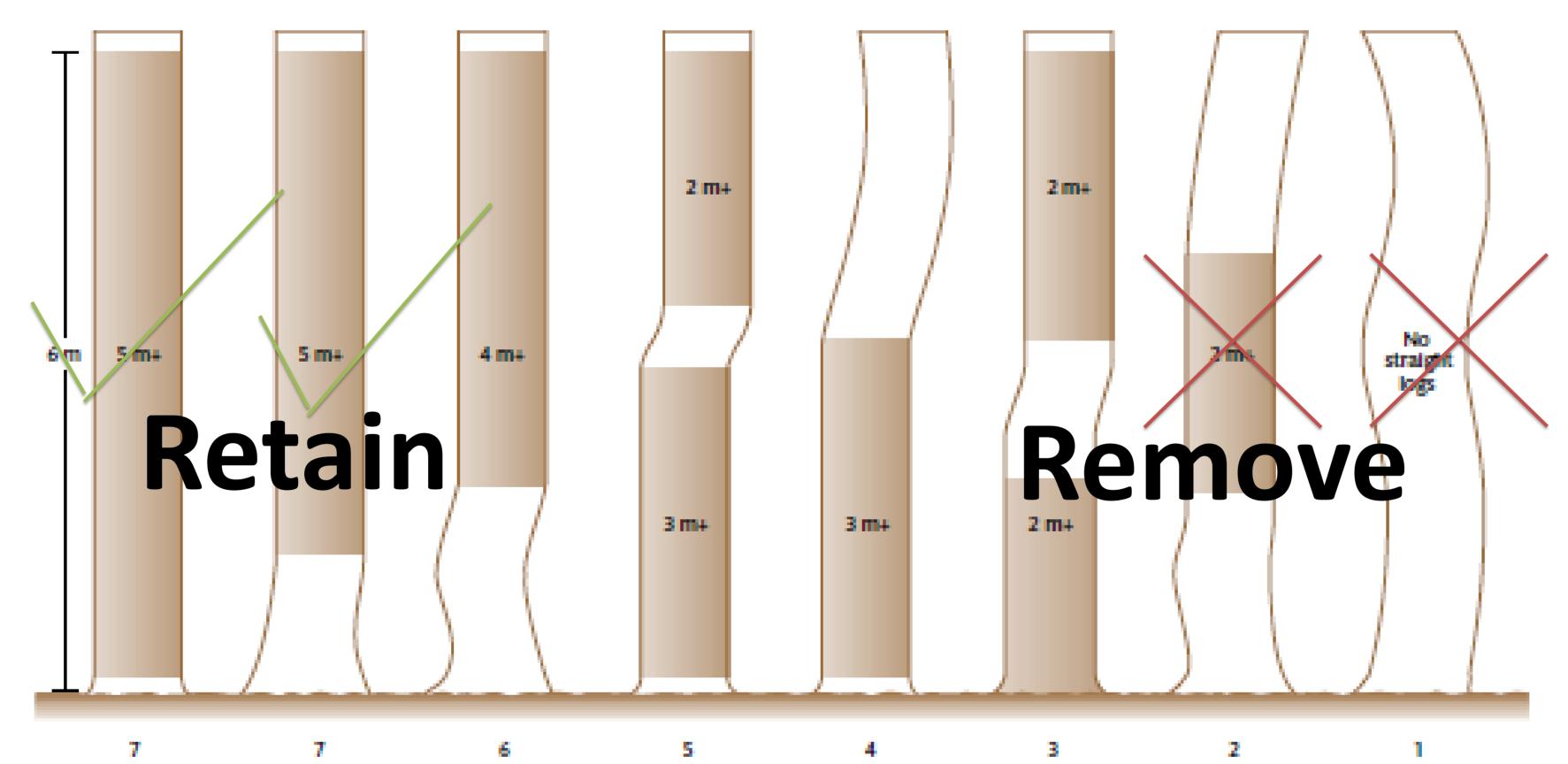


Use Ready reckoner

Before

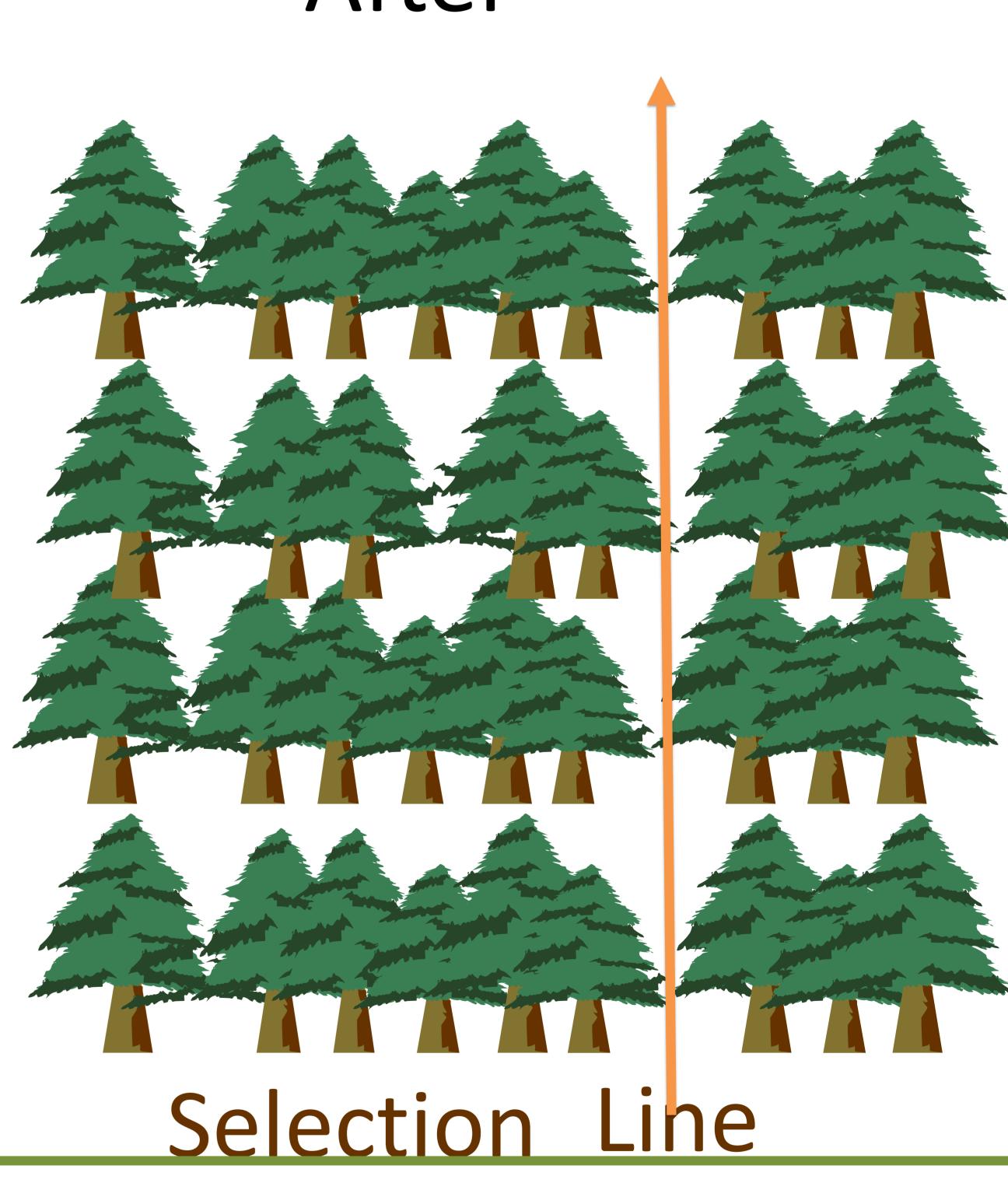






Remove wolf trees, poor quality and supressed trees

After





1st thinning::50-70m³/ha - Pulpwood 65%, Palletwood 35% 2nd thinning 40-60m³/ha - Pulpwood 35-70%, Palletwood 30-65%, depending on thinning type





Thinning practice and expected benefits

Choice of thinning may depend on local site & crop conditions and management objectives

•Control: No thinning

•Light: Remove dead, dying and suppressed trees (c. 20% of volume removed).

•Moderate: Romove dead, dying, suppressed and some co-dominant trees, creating gaps in the canopy (c. 33% of volume removed).

•**Heavy:** Remove dead, dying, suppressed and many codominant trees, creating gaps in the canopy (c. 33% of volume removed).

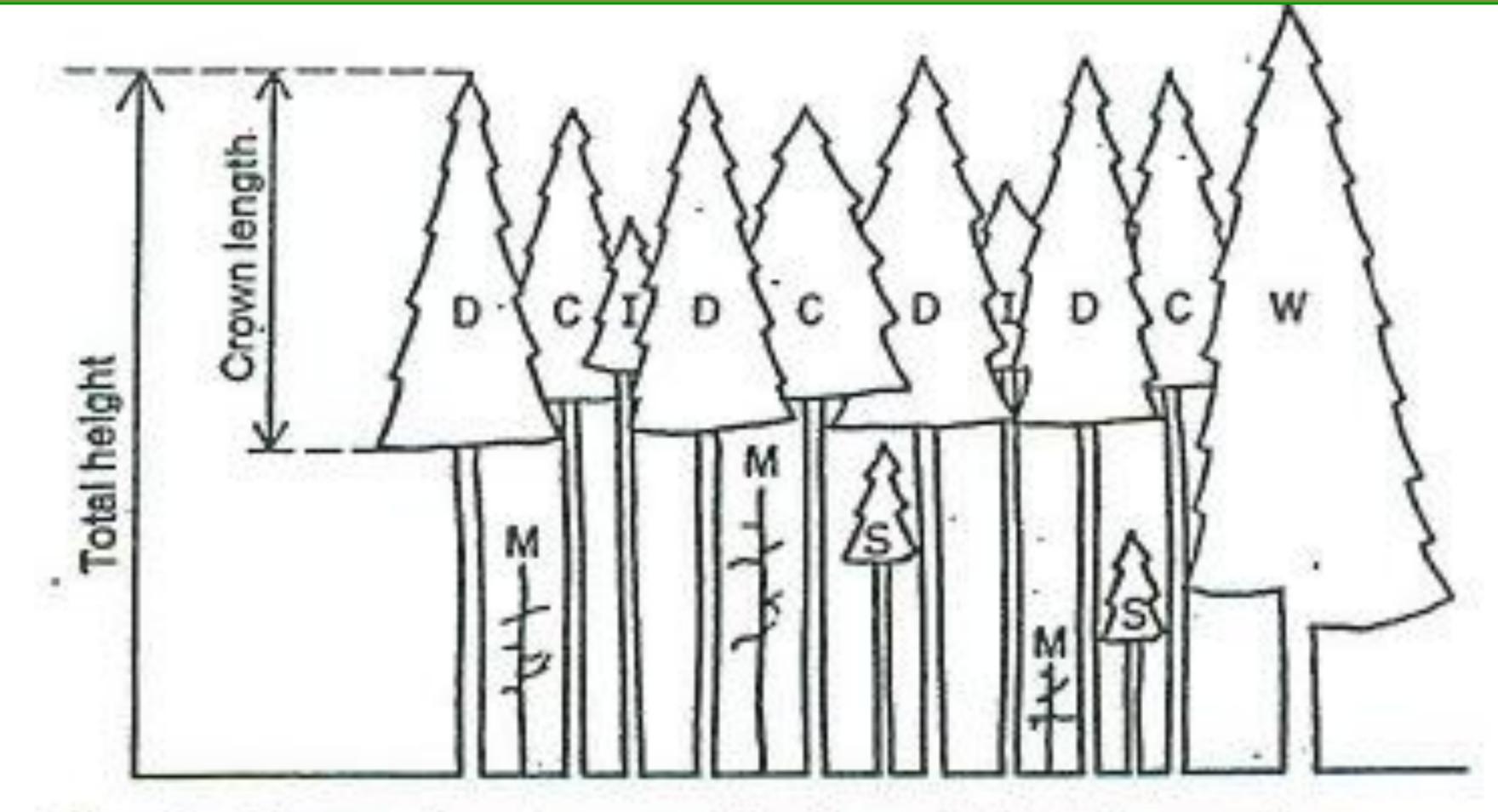
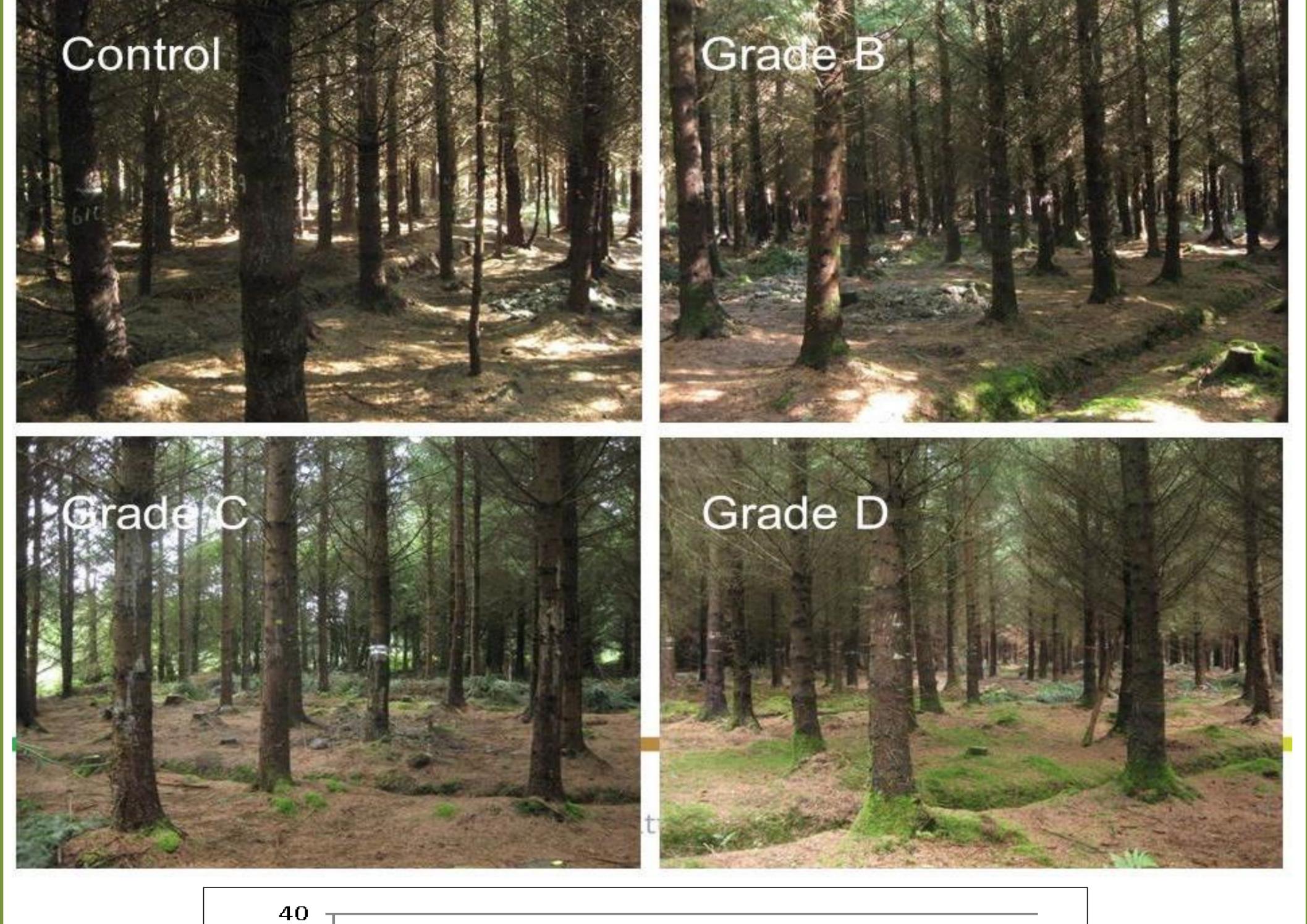


Figure 2.—Crowns of trees in even-aged stands are classified into crown types: D = Dominant, C = Codominant, I = Intermediate, W = Wolf, S = Suppressed, M = Mortality. The "crown ratio" is equal to the proportion of total tree height that is occupied by live crown. In this illustration, the dominants have a 50 percent crown ratio, while the wolf tree has an 80 percent crown ratio.



	Unthin		ght wiwa:	dium ment	he	avy
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10						
25 20 15 15						
20			<u> </u>			
<u> </u>						
_ 30 +						
35						1
40 T						

Increase in the volume of straight logs by thinning intensity

Table: Volume and revenue from first thinning

Thinning type	Vol. Remove (m3/ha)	Net Vol. Pulp (m3/ha)	Net Vol. Pallet (m3/ha)	Revenue €/Ha
No thin				
Grade B	51	28	17	475
Grade C	62	34	20	564
Grade D	73	44	19	616

Table: Volume and revenue from second thinning

Thinning type	Vol. Remove (m3/ha)	Net Vol. Pulp (m3/ha)	Net Vol. Pallet (m3/ha)	Revenue €/Ha
No thin				
Grade B	40	25	10	334
Grade C	61	22	31	691
Grade D	62	19	35	748

Total revenue from thinning ranges from €809 - €1364 per ha