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FOREST PRODUCTS LABORATORY - U. S. FOREST SERVICE - MADISON, WISCONSIN

COMPARISON OF COMMERCIAL GRADES AND FOREST SERVICE BASIC GRADES FOR YARD LUMBER

The accompanying chart shows a comparison of the yard lumber grades of the principal softwood manufacturers' associations and the basic grades proposed by the U. S. Forest Service. Each column in the chart represents the range in lumber quality from the best to the poorest found in commercial use. The grade divisions into which the Forest Service basic grading rules separate the material cut by the different associations are indicated in each column by the double line projections of the basic grades shown in the left-hand column. comparative positions of the grade rectangles indicate the differences in the quality of material admissible in the grades when the official grading rules of the associations are followed. In one or two cases a line between grades has been raised or lowered a little when actual grading practices have been found to differ from an association's published grading rules.

The chart may be used as a guide in purchasing lumber. Anyone wishing to change from a species of wood with which he is familiar to some other wood can tell the grade of material he should order. Thus, a user of C Select white pine changing to Douglas fir would select a grade of No. 3 Clear. It must be remembered, however, that the grades are compared in the chart only by the defects permitted, and that no allowance is made for the inherent qualities of the woods themselves or their suitability for certain purposes. The quality of the clear wood may be great enough in some cases to offset to some extent the effect of the defects present.

	COMMON GRADES									SELECT GRADES					
PERMITTING SOME WASTE IN USE					SUITABLE FOR USE WITHOUT WASTE			SUITABLE FOR PAINT FINISHES		SUITABLE FOR NATURAL FINISHES)			
NO. 5 COMMON NUST HOLD TOGETHER UNDER OSDINARY HANDLING	NO. 4 COMMON LOW SOLATIV LUBERT CON- TAINING THE COMMENT OF TAINING THE COMMENT OF TAINING THE COMMON HOLD TOGETHER NO. 5 COMMON		NO. 3 COMMON ALLOW LYNGER AND COMMENT OFFICES THAN NO. 3 4400 COMMON NO. 4 6400 COMMON NO. 5 4700 COM		NO. 2 COMMON ALLOWS LANGE AND COARSE DETECTS, MAY BE CONSIDERED GRANWTONT LUMBER	WATER FISHT CHRISES WATER FISHT CHRISES	NO. 1 COMMON	ALLOWS ANY NUMBER OF DEFECTS ON BLENGHES OF BLENGHES OF BLENGHES OF BLENGHES OF BALLOWS OF BLENGHES	GRADE D	GRADE С Альния а динтер иннека от выад деятестя ало вызываем теат сам не сочение не учант	GRADE: B	GRADE A	BASIC GRADES PROPOSED BY THE FOREST SERVICE		
NO: 4 COMMON NO. 5 COMMON		COMMON	500	NO. 2 COMMON		NO.1	D SELECT D STOCK AND BOX		C SELECT	BSELECT	1 CLEAR 2 CLEAR 3 CLEAR A SELECT	NORTHERN PINE MANUFACTURERS' ASSOCIATION			
COMMON	NO. 5		COMMON		NO. 2 COMMON		NO.1	D SELECT		C SELECT		B SELECT	WESTERN PINE MANUFACTURERS' ASSOCIATION		
COMMON NO. 50	"	NO. 4 COMMON	NO.3		COMMON		COMMON	D SELECT		C 0 PE		NO. 1 AND 2 CLEAR	CALIFORNIA WHITE & SUGAR PINE MFRS. ASSOCIATION		
RECOGNIZED	CULLS	No. of the second	NO. 3	COMMON	NO.N	NO.1		SELECT COMMON USUALLY WITH NO. 1 COMMON	111	NO. 3 CLEAR	NO. 2 CLEAR	SELECTED FLAT GRAIN	WEST COAST LUMBERMENS' ASSOCIATION		
	NO. 4		O. S MMON	NO.2				"	SELECT COMMON FINISHING	FINISHING	ANHINE	SOUTHERN PINE ASSOCIATION			
Common	COMMON		NO. 3	NO.2 COMMON			NO.1		"	C	B	FINISHING	GEORGIA-FLORIDA SAWMILL ASSOCIATION		
	RED HEART		80X 80X	BOX 1		ν Ο ω			-1			NO. N	NORTH CAROLINA PINE ASSOCIATION		
	BOX "PECKY" CYPRESS		NO. 3		NO. 2 COMMON	NO.1		O		0	æ	CLEAR HEART A	SOUTHERN CYPRESS MFRS, ASSOCIATION		
	NO. 3			CON-STRUCTION		EXTRA MER-CHANTABLE			STANDARD		SELECT	CLEAR SAP CLEAR	CALIFORNIA REDWOOD ASSOCIATION		
INCH NO. 4 COMMON	INCH NO. 3		COMMON	INCH NO. 2	II II	INCH NO. 1		INCH D STOCK			NCH CLEAR AND SELECTS	1	NORTHERN HEMLOCK AND HARDWOOD MFRS. ASSOCIATION		
COMMON COMMON		COMMON	NO. 2 COMMON ON COMMON		NO.1			u	C AND BETTER						