

# 31 13 Selective Tree and Shrub Removal and Trimming

## 31 13 13 – Selective Tree and Shrub Removal

		Daily	Labor-			2022 Bare Costs			Total	Total
		Crew	Output	Hours	Unit	Material	Labor	Equipment		Incl O&P
<b>31 13 13.10</b>	<b>Selective Clearing</b>									
0010	<b>SELECTIVE CLEARING</b>									
0020	Clearing brush with brush saw	A-1C	.25	32	Acre		1,450	194	1,644	2,400
0100	By hand	1 Clab	.12	66.667			3,050		3,050	4,525
0300	With dozer, ball and chain, light clearing	B-11A	2	8			425	675	1,100	1,375
0400	Medium clearing		1.50	10.667			565	900	1,465	1,825
0500	With dozer and brush rake, light		10	1.600			85	135	220	274
0550	Medium brush to 4" diameter		8	2			106	169	275	345
0600	Heavy brush to 4" diameter		6.40	2.500			133	211	344	430
1000	Brush mowing, tractor w/rotary mower, no removal									
1020	Light density	B-84	2	4	Acre		242	112	354	485
1040	Medium density		1.50	5.333			320	149	469	645
1080	Heavy density		1	8			485	223	708	965
<b>31 13 13.20</b>	<b>Selective Tree Removal</b>									
0010	<b>SELECTIVE TREE REMOVAL</b>									
0011	With tractor, large tract, firm									
0020	level terrain, no boulders, less than 12" diam. trees									
0300	300 HP dozer, up to 400 trees/acre, up to 25% hardwoods	B-10M	.75	16	Acre		890	2,175	3,065	3,725
0340	25% to 50% hardwoods		.60	20			1,100	2,725	3,825	4,650
0370	75% to 100% hardwoods		.45	26.667			1,475	3,625	5,100	6,200
0400	500 trees/acre, up to 25% hardwoods		.60	20			1,100	2,725	3,825	4,650
0440	25% to 50% hardwoods		.48	25			1,375	3,400	4,775	5,825
0470	75% to 100% hardwoods		.36	33.333			1,850	4,525	6,375	7,725
0500	More than 600 trees/acre, up to 25% hardwoods		.52	23.077			1,275	3,125	4,400	5,350
0540	25% to 50% hardwoods		.42	28.571			1,575	3,875	5,450	6,625
0570	75% to 100% hardwoods		.31	38.710			2,150	5,250	7,400	9,000
0900	Large tract clearing per tree									
1500	300 HP dozer, to 12" diameter, softwood	B-10M	320	.038	Ea.		2.08	5.10	7.18	8.70
1550	Hardwood		100	.120			6.65	16.30	22.95	28
1600	12" to 24" diameter, softwood		200	.060			3.33	8.15	11.48	13.90
1650	Hardwood		80	.150			8.30	20.50	28.80	35
1700	24" to 36" diameter, softwood		100	.120			6.65	16.30	22.95	28
1750	Hardwood		50	.240			13.30	32.50	45.80	56
1800	36" to 48" diameter, softwood		70	.171			9.50	23.50	33	39.50
1850	Hardwood		35	.343			19	46.50	65.50	80
2000	Stump removal on site by hydraulic backhoe, 1-1/2 C.Y.									
2040	4" to 6" diameter	B-17	60	.533	Ea.		27	12	39	53
2050	8" to 12" diameter	B-30	33	.727			40.50	76.50	117	144
2100	14" to 24" diameter		25	.960			53.50	101	154.50	191
2150	26" to 36" diameter		16	1.500			83.50	158	241.50	297
3000	Remove selective trees, on site using chain saws and chipper,									
3050	not incl. stumps, up to 6" diameter	B-7	18	2.667	Ea.		129	99.50	228.50	300
3100	8" to 12" diameter		12	4			194	149	343	450
3150	14" to 24" diameter		10	4.800			232	179	411	540
3200	26" to 36" diameter		8	6			290	224	514	675
3300	Machine load, 2 mile haul to dump, 12" diam. tree	A-3B	8	2			113	176	289	365