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Unlocking resources: The impact of land reform on sustainability of forest and woodland resources and rural livelihoods- The case of Mufurudzi resettlement scheme (Zimbabwe)

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Table 4.5: Relative Densities of Preferred Species

Tree Spacing For Selected Species

	Transects							
Total Sample Point-Tree Distance For Species (along entire transect)	**Mufurudzi**	**Mupedzanhamo**	**Zvataida**	**Mudzinge**	**Principe A**	**Principe B**	**Chidumbwe II**	**Chidumbwe I**
P. angolensis	5.84	12.22	0	1.63	0.71	0.88	8.58	0
D. kirkii	64.5	12.13	52.4	18.81	19.86	14.26	0	27.15
B. boehmii	214.37	354.46	45.55	52.58	99.8	123.18	54.85	29.75
B. petersiana	64.21	0	1.38	8.01	11.33	9.37	5.48	148
T. sericea	45.57	2.78	19	3.31	7.53	3.78	30.01	69.41
D. cinerea	67.19	19	12.59	3.01	10.92	12.1	429.03	0
L. discolor	24.88	27.06	8.96	0	21	4.46	0	0
Total Sampling Point-Tree Distance For All Species (along entire transect)	805.9	574.5	550.1	405.5	343.1	359.8	1064.5	411.6
Density of Woody Vegetation Along Transect	614.4	1212.0	763.6	654.7	2631.4	1889.4	214.8	377.7
Relative Density For Species per Hectare ♣								
P. angolensis	4.5	25.8	0.0	2.6	5.4	4.6	1.7	0.0
D. kirkii	49.2	25.6	72.7	30.4	152.3	74.9	0.0	24.9
B. boehmii	163.4	747.8	63.2	84.9	765.4	646.8	11.1	27.3
B. petersiana	49.0	0.0	1.9	12.9	86.9	49.2	1.1	135.8
T. sericea	34.7	5.9	26.4	5.3	57.8	19.8	6.1	63.7
D. cinerea	51.2	40.1	17.5	4.9	83.8	63.5	86.5	0.0
L. discolor	19.0	57.1	12.4	0.0	161.1	23.4	0.0	0.0
Total per hectare	370.9	902.2	194.2	141.0	1312.6	882.4	106.5	251.7
Probability of Finding Any of the Above Species Per Hectare	0.6	0.7	0.3	0.2	0.5	0.5	0.5	0.7

♣Relative Density of Species = $[\sum(\text{SP-TD})_s \div \sum(\text{SP-TD})_{as}] \times (\text{DWV}_h)$, where terms are defined in Chapter 3.