

## MATERIAL SUPLEMENTARIO B

Abundancia de especies herbáceas y tipos funcionales (kg MS/ha), según nivel de lignificación.  $\bar{x}$  = promedio, D.E = desviación estándar.

Herbaceous species abundance and functional types (kg DM/ha), according to woody encroachment level.  $\bar{x}$  = average, D.E = standard deviation.

Especie	Forma de vida	Ciclo	Palatabilidad	Tolerancia a la sombra	Tolerancia al fuego	Lig. Muy baja		Lig. Baja		Lig. Moderada		Lig. Alta	
						$\bar{x}$	D.E	$\bar{x}$	D.E.	$\bar{x}$	D.E	$\bar{x}$	D.E
<i>Abutilon</i> sp.	Hierba	.	.	.	.	0.0	0.0	1.7	4.1	3.6	10.1	0.0	0.0
<i>Alternanthera pungens</i>	Hierba	.	.	.	.	0.0	0.0	0.0	0.0	0.8	2.7	0.0	0.0
<i>Alternanthera</i> sp.	Hierba	.	.	.	.	0.0	0.0	0.0	0.0	5.8	18.0	5.2	16.1
<i>Amaranthus</i> sp.	Hierba	.	.	.	.	0.0	0.0	2.2	7.0	0.0	0.0	0.0	0.0
<i>Amphilophium carolinae</i>	Hierba	.	.	.	.	0.0	0.0	3.6	7.3	38.3	42.9	48.2	75.3
<i>Araujia</i> sp.	Hierba	.	.	.	.	0.0	0.0	0.3	0.9	0.0	0.0	0.0	0.0
<i>Aristida adscensionis</i>	Gramínea	Anual	Poco palatable	Intolerante	.	0.0	0.0	5.0	15.7	0.0	0.0	0.0	0.0
<i>Aristida mendocina</i>	Gramínea	Perenne	Palatable	Intolerante	Alta	0.0	0.0	0.0	0.0	9.0	32.3	1.2	4.1
<i>Aristida</i> sp.	Gramínea	Perenne	Palatable	Intolerante	.	0.0	0.0	69.5	218.7	0.0	0.0	0.0	0.0
<i>Baccharis glutinosa</i>	Hierba	.	.	.	.	0.0	0.0	3.3	7.4	1.1	3.7	0.6	2.1
<i>Baccharis</i> sp.	Hierba	.	.	.	.	0.0	0.0	0.7	2.2	0.0	0.0	0.0	0.0
<i>Bidens pilosa</i>	Hierba	.	.	.	.	0.0	0.0	37.7	94.6	0.3	1.1	0.0	0.0
<i>Boerhavia</i> sp.	Hierba	.	.	.	.	0.0	0.0	22.5	61.9	50.1	102.9	0.0	0.0
<i>Bothriochloa alta</i>	Gramínea	Perenne	Palatable	Intolerante	.	221.2	236.1	26.7	68.8	9.4	34.0	0.0	0.0
<i>Bothriochloa imperatoides</i>	Gramínea	Perenne	Palatable	Intolerante	.	0.0	0.0	11.2	35.4	13.5	48.8	34.4	103.2
<i>Bothriochloa</i> sp. 1	Gramínea	Perenne	Palatable	Intolerante	.	24.8	32.7	46.3	146.5	37.9	66.7	0.0	0.0
<i>Bothriochloa</i> sp. 2	Gramínea	Perenne	Palatable	Intolerante	.	0.0	0.0	0.7	2.1	6.9	24.7	1.2	2.7
<i>Bouteloua aristidoides</i>	Gramínea	Anual	Poco palatable	Intolerante	.	0.0	0.0	0.5	1.5	0.5	1.9	0.0	0.0

<i>Bouteloua curtipendula</i>	Gramínea	Perenne	Palatable	Intolerante	.	0.0	0.0	0.0	0.0	4.4	15.7	0.0	0.0
<i>Chloris castilloniana</i>	Gramínea	Perenne	Palatable	Intolerante	.	0.0	0.0	0.0	0.0	0.0	0.0	1.8	5.9
<i>Chloris ciliata</i>	Gramínea	Perenne	Palatable	Tolerante	.	26.8	53.5	15.2	35.5	15.3	24.5	10.7	17.3
<i>Clematis montevidensis</i>	Hierba	.	.	.	.	2.9	5.9	37.4	53.6	20.0	39.5	37.2	102.1
<i>Convolvulus</i> sp.	Hierba	.	.	.	.	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5
<i>Cottea pappophoroides</i>	Gramínea	Perenne	Palatable	Intolerante	.	0.0	0.0	3.9	16.9	0.1	0.3	0.0	0.0
<i>Crotalaria</i> sp.	Hierba	.	.	.	.	9.8	11.4	92.1	213.0	49.9	115.8	48.9	103.9
<i>Cynodon dactylon</i>	Gramínea	Perenne	Palatable	Intolerante	.	0.0	0.0	0.6	1.8	0.0	0.0	0.0	0.0
<i>Desmanthus virgatus</i>	Hierba	.	.	.	.	4.9	5.7	0.7	2.1	1.0	3.7	0.0	0.0
<i>Digitaria californica</i>	Gramínea	Perenne	Palatable	Tolerante	Media-baja	16.0	37.5	17.6	35.0	27.3	70.8	23.4	57.7
<i>Digitaria insularis</i>	Gramínea	Perenne	Palatable	Tolerante	.	103.5	202.5	124.6	188.1	677.6	795.6	196.4	213.2
<i>Digitaria</i> sp.	Gramínea	Perenne	Palatable	Intolerante	.	0.0	0.0	0.7	2.2	0.0	0.0	0.0	0.0
<i>Elionurus muticus</i>	Gramínea	Perenne	Poco palatable	Intolerante	Alta	1741.3	1453.9	263.5	764.2	195.5	704.9	0.0	0.0
<i>Eragrostis cilianensis</i>	Gramínea	Anual	Poco palatable	Intolerante	.	0.0	0.0	0.0	0.0	3.8	8.2	0.0	0.0
<i>Eragrostis orthoclada</i>	Gramínea	Perenne	Palatable	Intolerante	.	0.0	0.0	1.4	4.4	1.8	3.9	0.0	0.0
<i>Eragrostis</i> sp.	Gramínea	Perenne	Palatable	Intolerante	.	12.5	25.1	11.3	19.2	24.1	28.9	8.1	16.3
<i>Eupatorium</i> sp. 1	Hierba	.	.	.	.	0.0	0.0	1.5	3.8	0.6	1.8	0.3	1.0
<i>Eupatorium</i> sp. 2	Hierba	.	.	.	.	0.0	0.0	0.0	0.0	6.5	18.2	0.8	2.0
<i>Eupatorium</i> sp. 3	Hierba	.	.	.	.	0.0	0.0	0.7	2.1	0.0	0.0	5.9	19.6
<i>Eupatorium</i> sp. 4	Hierba	.	.	.	.	0.0	0.0	0.0	0.0	0.3	1.0	2.5	8.1
<i>Euphorbia serpens</i>	Hierba	.	.	.	.	0.0	0.0	0.0	0.0	1.2	4.2	0.2	0.5
<i>Fleischmannia prasiifolia</i>	Hierba	.	.	.	.	4.1	8.3	14.1	32.0	27.1	50.3	25.1	40.9
<i>Galactia latisiliqua</i>	Hierba	.	.	.	.	2.4	3.0	14.3	23.3	6.5	9.9	8.8	29.1
<i>Glandularia</i> sp.	Hierba	.	.	.	.	0.0	0.0	0.0	0.0	4.2	13.8	7.6	21.2
<i>Glandularia venturii</i>	Hierba	.	.	.	.	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.7
<i>Gomphrena</i> sp.	Hierba	.	.	.	.	0.0	0.0	2.1	6.4	6.5	17.6	2.2	6.4
<i>Gouinia latifolia</i>	Gramínea	Perenne	Palatable	Tolerante	Media-baja	0.0	0.0	135.1	401.1	86.6	250.4	264.3	560.0
<i>Gouinia paraguayensis</i>	Gramínea	Perenne	Palatable	Tolerante	Media-baja	0.0	0.0	0.0	0.0	5.3	15.9	83.0	194.2
<i>Heimia salicifolia</i>	Hierba	.	.	.	.	0.0	0.0	0.0	0.0	0.1	0.3	2.9	8.4
<i>Heimia</i> sp.	Hierba	.	.	.	.	0.0	0.0	0.0	0.0	2.5	6.8	0.0	0.0

<i>Heteropogon contortus</i>	Gramínea	Perenne	Palatable	Intolerante	Alta	181.9	261.2	12.3	38.8	4.6	16.6	0.0	0.0
<i>Indigofera parodiana</i>	Hierba	.	.	.	.	0.0	0.0	1.1	3.4	0.0	0.0	8.5	22.8
<i>Janusia</i> sp.	Hierba	.	.	.	.	0.0	0.0	0.0	0.0	2.1	6.2	0.0	0.0
<i>Jarava ichu</i>	Gramínea	Perenne	Poco palatable	Intolerante	.	0.0	0.0	0.0	0.0	0.0	0.0	5.5	15.2
<i>Justicia squarrosa</i>	Hierba	.	.	.	.	0.0	0.0	0.0	0.0	3.9	13.9	0.0	0.0
<i>Lantana</i> sp. 1	Hierba	.	.	.	.	0.0	0.0	3.2	4.6	4.3	14.1	0.0	0.0
<i>Lantana</i> sp. 2	Hierba	.	.	.	.	0.0	0.0	2.3	7.4	0.0	0.0	0.0	0.0
<i>Neobouteloua lophostachya</i>	Gramínea	Perenne	Poco palatable	Intolerante	.	0.0	0.0	0.0	0.0	0.5	1.1	1.3	3.6
<i>Nierembergia</i> sp.	Hierba	.	.	.	.	0.0	0.0	0.0	0.0	3.2	8.0	6.8	22.6
<i>Panicum</i> sp.	Gramínea	Perenne	Palatable	Intolerante	.	0.0	0.0	0.3	0.9	0.0	0.0	0.0	0.0
<i>Pappophorum caespitosum</i>	Gramínea	Perenne	Palatable	Intolerante	.	0.0	0.0	11.4	35.9	37.5	135.2	0.0	0.0
<i>Pappophorum pappiferum</i>	Gramínea	Perenne	Palatable	Intolerante	Alta	686.4	482.7	881.7	1053.2	192.1	345.5	16.5	28.9
<i>Pappophorum phillippianum</i>	Gramínea	Perenne	Palatable	Intolerante	.	0.9	1.7	0.0	0.0	0.0	0.0	0.0	0.0
<i>Pappophorum</i> sp.	Gramínea	Perenne	Palatable	Intolerante	.	0.0	0.0	34.0	105.5	69.1	131.1	336.3	724.0
<i>Pascalía glauca</i>	Hierba	.	.	.	.	0.0	0.0	0.0	0.0	0.0	0.0	12.3	28.1
<i>Paspalum</i> sp.	Gramínea	Perenne	Palatable	Intolerante	.	54.1	92.1	461.7	648.1	546.2	783.4	176.9	350.3
<i>Portulaca</i> sp.	Hierba	.	.	.	.	0.0	0.0	3.1	7.7	0.9	3.3	3.9	13.0
<i>Pseudabutilon virgatum</i>	Hierba	.	.	.	.	0.0	0.0	0.0	0.0	2.6	7.2	0.0	0.0
<i>Rhynchosia senna</i>	Hierba	.	.	.	.	2.5	3.3	0.3	0.9	0.0	0.0	0.8	1.5
<i>Ruellia ciliatiflora</i>	Hierba	.	.	.	.	0.0	0.0	17.5	28.2	4.6	7.1	8.5	15.9
<i>Schizachyrium tenerum</i>	Gramínea	Perenne	Palatable	Intolerante	Alta	9.6	11.6	0.0	0.0	0.0	0.0	0.0	0.0
<i>Setaria fiebrigii</i>	Gramínea	Perenne	Palatable	Intolerante	.	0.0	0.0	7.7	16.7	6.8	15.1	10.9	25.8
<i>Setaria globulifera</i>	Gramínea	Perenne	Palatable	Intolerante	.	18.8	37.6	57.4	50.2	4.0	14.2	25.9	54.8
<i>Setaria lachnea</i>	Gramínea	Perenne	Palatable	Tolerante	Media-baja	556.5	715.8	297.8	406.0	76.6	164.5	107.9	97.7
<i>Setaria leucopila</i>	Gramínea	Perenne	Palatable	Intolerante	.	0.0	0.0	0.6	1.8	0.0	0.0	0.0	0.0
<i>Setaria parviflora</i>	Gramínea	Perenne	Palatable	Intolerante	.	0.0	0.0	15.3	45.3	11.7	31.5	8.4	28.0
<i>Setaria</i> sp. 1	Gramínea	Perenne	Palatable	Intolerante	.	0.9	1.7	0.7	2.1	2.7	8.3	2.9	6.5
<i>Setaria</i> sp. 2	Gramínea	Perenne	Palatable	Tolerante	.	0.0	0.0	0.0	0.0	1.2	4.4	3.5	8.2
<i>Sida dictyocarpa</i>	Hierba	.	.	.	.	0.0	0.0	1.4	2.4	0.8	1.7	1.4	4.2

<i>Sida rhombifolia</i>	Hierba	.	.	.	.	0.0	0.0	7.1	13.9	3.6	8.1	2.4	8.0
<i>Sida</i> sp.	Hierba	.	.	.	.	0.0	0.0	43.7	128.4	1.4	3.5	0.0	0.0
<i>Sorghum halepense</i>	Gramínea	Perenne	Palatable	Intolerante	.	0.0	0.0	0.3	1.0	0.0	0.0	0.0	0.0
<i>Sphaeralcea bonariensis</i>	Hierba	.	.	.	.	0.0	0.0	4.6	14.5	1.1	3.8	0.1	0.3
<i>Tagetes</i> sp.	Hierba	.	.	.	.	0.0	0.0	0.2	0.7	0.0	0.0	0.0	0.0
<i>Talinum fruticosum</i>	Hierba	.	.	.	.	0.0	0.0	0.7	2.2	0.4	1.4	0.0	0.0
<i>Talinum</i> sp.	Hierba	.	.	.	.	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3
<i>Tillandsia</i> sp.	Hierba	.	.	.	.	0.0	0.0	0.3	0.9	0.0	0.0	0.0	0.0
<i>Tragia</i> sp.	Hierba	.	.	.	.	0.0	0.0	0.0	0.0	1.1	2.8	0.0	0.0
<i>Trichloris crinita</i>	Gramínea	Perenne	Palatable	Tolerante	Media-baja	0.0	0.0	16.5	38.6	30.6	68.7	10.7	17.1
<i>Trichloris pluriflora</i>	Gramínea	Perenne	Palatable	Tolerante	Alta	524.3	859.1	963.0	883.8	532.1	934.6	156.1	218.4
<i>Turnera sidoides</i>	Hierba	.	.	.	.	0.0	0.0	0.0	0.0	0.5	1.3	0.3	0.6
<i>Tweedia</i> sp.	Hierba	.	.	.	.	0.0	0.0	0.0	0.0	0.4	0.9	3.6	10.2
<i>Urochloa adspersa</i>	Gramínea	Anual	Palatable	Intolerante	.	0.0	0.0	25.6	80.8	1.9	6.8	0.0	0.0
<i>Urovillea</i> sp.	Hierba	.	.	.	.	0.0	0.0	0.3	0.9	0.2	0.7	3.2	8.2
<i>Wissadula densiflora</i>	Hierba	.	.	.	.	0.0	0.0	28.5	62.8	11.4	18.8	1.3	2.3
<i>Zexmenia</i> sp.	Hierba	.	.	.	.	4.7	9.3	0.7	2.1	2.9	8.0	0.0	0.0
<i>Zinnia peruviana</i>	Hierba	.	.	.	.	0.0	0.0	0.6	1.8	0.3	1.2	0.0	0.0