

## Supplementary Data

**Table S1.** Indices of phytosociological attributes for Thirty-nine plant species in the three clusters of *Datura innoxia* dominated communities.

S. No	Plant Name (Botanical name)	PC	Local Name	Plant English Name	Status	Family	LF	H
1	<i>Datura innoxia</i> Mill.	Dain	Batura	Downy thorn-apple	NT	Solanaceae	H	P
2	<i>Ajuga bracteosa</i> Wall. ex Benth.	Ajbr	Boti	Bugleweed	N	Lamiaceae	H	A/P
3	<i>Alternanthera pungens</i> Kunth	Alpg	Khaki Boti	Joyweed	I	Amaranthaceae	H	A
4	<i>Amaranthus viridis</i> L.	Amvr	Chalwaye	Green amaranth	I	Amaranthaceae	H	A
5	<i>Artemisia capillaris</i> Thunb.	Arcp	Spin Jawkay	Wormwood	N	Asteraceae	H	A
6	<i>Calendula arvensis</i> L.	Clar	Ziargulay	Field marigold	N	Asteraceae	H	A
7	<i>Calotropis procera</i> (Aiton) W.T.Aiton	Clpr	Spalmay	king's crown	N	Apocynaceae	S	P
8	<i>Cannabis sativa</i> L.	Cast	Bhang/ Merijwana	Hemp	I	Cannabaceae	H	A
9	<i>Carthamus oxycantha</i> M.Bieb.	Crox	Kareza/Pohli	Distaff thistles	NT	Asteraceae	H	A
10	<i>Centaurea cyanus</i> L.	Cent	Gul Tokna/Neeli Botle	Cornflower/Bachelor's button	NT	Asteraceae	H	A
11	<i>Chenopodium album</i> L.	Chal	Sarme	Goose foot	N	Amaranthaceae	H	A
12	<i>Chrozophora tinctoria</i> (L.) Raf.	Chtn	_____	Dyer's croton /Turnsole	N	Euphorboaceae	H/S	A/P
13	<i>Cirsium arvense</i> (L.) Scop.	Crar	Kandai	Creeping thistle	N	Asteraceae	H	P
14	<i>Cornus macrophylla</i> Wall.	Coma	Khadang	large-leafed dogwood	N	Cornaceae	S	P
15	<i>Cynodon dactylon</i> (L.) Pers.	Cydy	Kabal	Grass/Og's tooth grass	N	Poaceae	H	P
16	<i>Dodonaea viscosa</i> Jacq.	Dovc	Ghwaraskay	Soapberry	N	Sapindaceae	S	P
17	<i>Eryngium caeruleum</i> M.Bieb.	Erco	Manzari Panja	Eryngo/Amethyst sea holly	N	Apiaceae	H	A/P
18	<i>Gymnosporia royleana</i> Wall. ex M.A.Lawson	Gyry	_____	_____	N	Celastraceae		
19	<i>Heliotropium indicum</i> L.	Hein	Wasnal	Salt heliotrope	N	Boraginaceae	H	P
20	<i>Medicago denticulata</i> Willd.	Medn	Shpeshtare	Toothed medick	N	Fabaceae	H	A
21	<i>Mirabilis jalapa</i> L.	Mijp	Gul bada	Japanese 4 'o' clock	NT	Nyctaginaceae	H	P
22	<i>Morus alba</i> L.	Mral	Spin Toot	Mulberry	I	Moraceae	T	P
23	<i>Origanum vulgare</i> L.	Ogyg	Shamakay	Oregano	N	Lamiaceae	H	P
24	<i>Otostegia limbata</i> (Benth.)	Oslm	Spin Azghay	Otostegia	N	Lamiaceae	H	A
25	<i>Oxalis corniculata</i> L.	Oxcr	Manzakay Tarookay	Sleeping beauty	N	Oxalidaceae	H	A
26	<i>Parthenium hysterophorus</i> L.	Pahy	Carrot grass	White top / Congress grass	I	Asteraceae	H	A
27	<i>Persicaria maculosa</i> Gray	Prmu	Sur Pulpulak	Lady's thumb	NT	Polygonaceae	H	A
28	<i>Ricinus communis</i> L.	Ricm	Arhanda	Castor bean	N	Euphorboaceae	S	P
29	<i>Rumex hastatus</i> D. Don	Rmhs	Tarookay	Arrowleaf Dock	N	Polygonaceae	H	A
30	<i>Salvia moorcroftiana</i> Wall. ex Benth.	Slmc	Karghwag	Kashmir Salvia	N	Lamiaceae	H	P
31	<i>Silybum marianum</i> (L.) Geartn.	Simr	Wrojakai	Milk thistle/Mary thistle	I	Asteraceae	H	A
32	<i>Solanum nigrum</i> L.	Song	Kachmcho	Black nightshade	NT	Solanaceae	H	A

33	<i>Trianthema portulacastrum</i> L.	Trpr	—	Glack/Giant pigweed	I	Aizoaceae	H	A
34	<i>Tribulus terrestris</i> L.	Trtr	Markundai	Cat's-head /Devil's eyelashes	N	Zygophyllaceae	H	A
35	<i>Verbascum thapsus</i> L.	Vrth	khardhag	Jangli Tamak/ Sfaid bhang	NT	Scrophulariaceae	S	B
36	<i>Verbesina encelioides</i> (Cav.) Benth. & Hook.f. ex A.Gray	Veen	Nwar paras	Wild sunflower	CA	Asteraceae	H	A
37	<i>Xanthium strumarium</i> L.	Xnst	Geshkey	Cocklebur	I	Asteraceae	H	A
38	<i>Zanthoxylum armatum</i> DC.	Xnar	Dambara	Winged prickly ash	N	Rutaceae	S/T	P

**Note:** PC (Plant code), H (Habit), LF (Life form), N (Naturalised), I (Invasive), NT (Native), CA (Casual alien), H (Herb), H/S (Herb/Shrub), S (Shrub), S/T (Shrub/Tree), P (Perennial), A (Annual), A/P (Annual/Perennial), B (Biennial).

**Table S2:** Axes summary, correlation and biplot scores of the of the environmental and climatic variables affecting the *Datura innoxia* communities

Axis		Axis 1	Axis 2	Axis 3
Eigenvalue		0.49	0.41	0.37
Variance in species data				
% of variance explained		17	14.1	12.7
Cumulative % explained		17	31	43.7
Pearson Correlation, Spp-Envt*		0.997	0.999	0.998
Correlation		Biplot scores		
Variable		Axis 1	Axis 2	Axis 3
1	Elev.	−0.192	−0.656	−0.04
2	CL%	0.169	0.211	−0.069
3	SL%	−0.33	−0.397	0.077
4	SN%	0.288	0.342	−0.049
5	pH(1:5)	0.119	−0.064	0.389
6	OM%	0.328	0.134	−0.332
7	L %	−0.307	−0.087	0.032
8	N	−0.023	0.435	−0.204
9	EC	−0.283	0.324	−0.45
10	AW	−0.301	−0.421	0.139
11	MYT	−0.174	0.798	−0.024
12	AYH	0.06	0.764	−0.192
13	DLH	0.205	0.799	−0.155
14	EI	−0.49	−0.466	0.425
15	CF	0.302	0.83	−0.139
16	GI	−0.39	−0.695	0.151
17	TD	0.421	0.708	−0.136
18	S	−0.396	0.171	0.121
19	H	0.317	−0.462	−0.293
20	J	0.288	−0.108	−0.215