

Project Updates: January 2017

A total of nine grasshopper species were identified from two study sites, five from Chirpine forest and four from paddy field - *Hieroglyphus banian*, *Neconocephalus exiliscanorus*, *Polichne* sp., and *Orchelimum vulgare* from paddy field (Akiyutaka / Rey Maap rice varieties) and *Hesperotettix speciosus*, *Melanoplus bivittatus*, *Conocephalus fasciatus*, *Eritettix simplex tricarinatus*, *Polichne* sp. from Chirpine forest ecosystem.

Grasshopper species count in the Chirpine forest								
Sl no	name of species	family	No. of count	Pi (n/N)	Ln of Pi	Pi*Ln of Pi	(S-1)	species richness
1	<i>Hesperotettix speciosus</i>	Acrididae	3	0.075	-2.5903	-0.194270037	2	1.248392701
2	<i>Erstettix simplex tricarinatus</i>	Acrididae	7	0.175	-1.743	-0.305019628	6	3.745178103
3	<i>Melanoplus bivittatus</i>	Acrididae	10	0.250	-1.3863	-0.34657359	9	5.617767155
4	<i>Conocephalus fasciatus</i>	Tettigoniidae	12	0.300	-1.204	-0.361191841	11	6.866159856
5	<i>Polichne</i> sp.	Tettigoniidae	8	0.200	-1.6094	-0.321887582	7	4.369374454
			40			-1.52894268		
Grasshopper species count in the paddy field (Akiyutaka varieties)								
sl no	name of species	family	No. of count	Pi (n/N)	Ln of Pi	Pi*Ln of Pi	(S-1)	species richness
1	<i>Hieroglyphus banian</i>	Acrididae	13	0.3514	-1.046	-0.367502465	12	7.652076781
2	<i>Neconocephalus exiliscanorus</i>	Tettigoniidae	7	0.1892	-1.665	-0.315001469	6	3.82603839
3	<i>Polichne</i> sp.	Tettigoniidae	6	0.1622	1.8192	-0.294998666	5	3.188365325
4	<i>Orchelimum vulgare</i>	Tettigoniidae	11	0.2973	-1.213	-0.360628352	10	6.37673065

Family	Acrididae	Tettigoniidae	Total
Land types			
Chirpine forest	10	30	40
Paddy field	13	24	37
	23	54	77

Bird eye view of study site



Detailed report from all study site and awareness education programme will be submitted in next report.



Left: *Hieroglyphus banian*. Right: Cricket



Left: *Conocephalus fasciatus*. Right: Survey crew.