USAID
FROM THE AMERICAN PEOPLE

PHOTO BY LAUREN PERSHA

Evaluation of the "Supporting Deforestation Free Cocoa in Ghana" Project Bridge Phase: Baseline Report Annex E - Supplemental Summary Statistics

Communications, Evidence, and Learning (CEL) Project Work Assignment – E3 Land and Urban Office

Evaluation of the "Supporting Deforestation Free Cocoa in Ghana" Project Bridge Phase: Baseline Report Annex E – Supplemental Summary Statistics

Communications, Evidence and Learning (CEL) Project

May 05, 2020

USAID Contract Number: GS00F061GA

Developed under the Communications, Evidence and Learning (CEL) Project

Produced by NORC at the University of Chicago

Suggested Citation: Persha, L., Haugan, G., Mittelberg, T., Wendt, R., and Protik, A. (2020) *Evaluation of the 'Supporting Deforestation-Free Cocoa in Ghana' Project Bridge Phase: Baseline Report Annex E – Supplemental Summary Statistics.* Washington, DC: USAID Communications, Evidence and Learning (CEL) Project.

Evaluation of the "Supporting Deforestation Free Cocoa in Ghana" Project Bridge Phase: Baseline Report Annex E - Supplemental Summary Statistics 1

Demographics: Household-Level 1

Livelihoods, Accress to Credit, Food Security: Household-Level 2

Agricultural Production: Household-Level 4

Farm Acquisition and Tenure Security: Farm-Level 7

Cocoa and Other Crop Production: Farm-Level 9

EVALUATION OF THE "SUPPORTING DEFORESTATION FREE COCOA IN GHANA" PROJECT
BRIDGE PHASE: BASELINE REPORT ANNEX E - SUPPLEMENTAL SUMMARY STATISTICS[1]

DEMOGRAPHICS: HOUSEHOLD-LEVEL

	Overall			Bridge Phase Villages			Comparison Villages			Female-Headed			Male-Headed		
Variable	**Mean**	**SD**	**N**	**Mean**	**SD**	**N**	**Mean**	**SD**	**N**	**Mean**	**SD**	**N**	**Mean**	**SD**	**N**
Demographics (Household-level Variables)															
Female-Headed Household	0.157	0.364	713	0.128	0.335	273	0.175	0.38	440	1	0	112	0	0	601
Youth-Headed Household	0.276	0.447	704	0.327	0.47	269	0.244	0.43	435	0.082	0.275	110	0.311	0.463	594
HH Head Age (in years)	45.56	14.01	704	43.75	13.53	269	46.67	14.21	435	51.74	14.24	110	44.41	13.68	594
Household Size (members)	5.44	2.84	713	5.79	3.15	273	5.23	2.60	440	4.36	2.35	112	5.65	2.88	601
HH Head has no education	0.327	0.469	710	0.357	0.48	272	0.308	0.462	438	0.571	0.497	112	0.281	0.45	598
HH Head has primary education	0.17	0.376	710	0.228	0.42	272	0.135	0.342	438	0.152	0.36	112	0.174	0.379	598
HH Head has middle school or higher	0.497	0.5	702	0.407	0.492	268	0.553	0.498	434	0.277	0.449	112	0.539	0.499	590
Literate HH Head	0.433	0.496	712	0.381	0.487	273	0.465	0.499	439	0.205	0.406	112	0.475	0.5	600
HH Head Married/Cohabiting	0.778	0.416	713	0.762	0.427	273	0.789	0.409	440	0.214	0.412	112	0.884	0.321	601
HH Head has leadership role in village	0.286	0.452	713	0.282	0.451	273	0.289	0.454	440	0.143	0.351	112	0.313	0.464	601
HH Head was born in district	0.357	0.479	709	0.327	0.47	272	0.375	0.485	437	0.446	0.499	112	0.34	0.474	597
HH head migrated to village to pursue cocoa opportunities	0.718	0.45	454	0.725	0.448	182	0.713	0.453	272	0.565	0.5	62	0.742	0.438	392
HH head migrated to village for other economic reason	0.137	0.344	454	0.181	0.386	182	0.107	0.309	272	0.113	0.319	62	0.14	0.348	392
HH head migrated to village accompanying parent	0.077	0.267	454	0.049	0.217	182	0.096	0.295	272	0.129	0.338	62	0.069	0.254	392
HH head migrated to village for marriage or family	0.055	0.228	454	0.038	0.193	182	0.066	0.249	272	0.177	0.385	62	0.036	0.186	392
HH head migrated to village for other reason	0.013	0.114	454	0.005	0.074	182	0.018	0.135	272	0.016	0.127	62	0.013	0.112	392
Household Main Language = Asante	0.418	0.494	713	0.41	0.493	273	0.423	0.495	440	0.42	0.496	112	0.418	0.494	601
Household Main Language = Fanti	0.079	0.269	713	0.007	0.085	273	0.123	0.328	440	0.107	0.311	112	0.073	0.261	601
Household Main Language = Akuapem	0.084	0.278	713	0.004	0.061	273	0.134	0.341	440	0.116	0.322	112	0.078	0.269	601
Household Main Language = Wassa	0.094	0.292	713	0.121	0.327	273	0.077	0.267	440	0.17	0.377	112	0.08	0.271	601
Household Main Language = Kusasi	0.157	0.364	713	0.242	0.429	273	0.105	0.306	440	0.045	0.207	112	0.178	0.383	601
Household Main Language = Other	0.168	0.374	713	0.216	0.412	273	0.139	0.346	440	0.143	0.351	112	0.173	0.379	601

[1] For all tables, variables are binary (Yes/No) and mean values are reported as the sample proportion unless units are otherwise specified in the variable column.

LIVELIHOODS, ACCRESS TO CREDIT, FOOD SECURITY: HOUSEHOLD-LEVEL

	Overall			Bridge Phase			Comparison			Female-Headed			Male-Headed		
Variable	**Mean**	**SD**	**N**	**Mean**	**SD**	**N**	**Mean**	**SD**	**N**	**Mean**	**SD**	**N**	**Mean**	**SD**	**N**
Livelihoods, Access to Credit, and Food Security (Household-level Variables)															
Over the last year (during 2018), how satisfied are you with your household's finances? (1=Not at all satisfied; 4=Fully Satisfied)	2.05	0.86	713	2.09	0.89	273	2.03	0.84	440	2.00	0.83	112	2.06	0.86	601
Over the last year (during 2018),how satisfied are you with your household's cocoa yield? (1=Not at all satisfied; 4=Fully Satisfied)	2.07	0.84	707	2.13	0.82	270	2.04	0.86	437	1.89	0.76	110	2.11	0.85	597
Over the last year (during 2018), how satisfied are you with your household's cocoa income? (1=Not at all satisfied; 4=Fully Satisfied)	2.10	0.86	707	2.15	0.86	270	2.06	0.86	437	1.90	0.80	110	2.13	0.86	597
Likelihood of Poverty at the $1.25/day level (2005 PPP) (%)	11.45	12.50	713	13.21	13.75	273	10.36	11.55	440	11.56	11.32	112	11.43	12.72	601
Step on wellbeing ladder in early 2017 (1=Lowest;10=Highest)	3.99	2.10	713	3.85	2.17	273	4.07	2.06	440	3.70	2.00	112	4.0	2.1	601
Step on wellbeing ladder in early 2019 (1=Lowest;10=Highest)	3.52	1.82	713	3.37	1.82	273	3.62	1.82	440	3.22	1.65	112	3.6	1.8	601
Biggest income source==Sale of Cocoa	0.885	0.319	712	0.897	0.304	273	0.877	0.329	439	0.848	0.36	112	0.892	0.311	600
Biggest income source==Sale of Other Crops	0.01	0.099	712	0.007	0.085	273	0.011	0.106	439	0.018	0.133	112	0.008	0.091	600
Biggest income source==Sale of Fish, Livestock, or bush products	0.003	0.053	712	0.004	0.061	273	0.002	0.048	439	0	0	112	0.003	0.058	600
Biggest income source==Labor (Agricultural)	0.01	0.099	712	0.015	0.12	273	0.007	0.082	439	0.009	0.094	112	0.01	0.1	600
Biggest income source==Labor (Non-Agricultural)	0.01	0.099	712	0.015	0.12	273	0.007	0.082	439	0	0	112	0.012	0.107	600
Biggest income source==Mining	0.022	0.148	712	0.007	0.085	273	0.032	0.176	439	0.009	0.094	112	0.025	0.156	600
Biggest income source==Own Business or Trading	0.039	0.195	712	0.04	0.197	273	0.039	0.193	439	0.08	0.273	112	0.032	0.175	600
Biggest income source==Salary Employment	0.014	0.118	712	0.011	0.104	273	0.016	0.125	439	0.018	0.133	112	0.013	0.115	600
Biggest income source==Other	0.007	0.084	712	0.004	0.061	273	0.009	0.095	439	0.018	0.133	112	0.005	0.071	600
Second biggest income source==None	0.231	0.422	701	0.265	0.442	272	0.21	0.408	429	0.27	0.446	111	0.222	0.416	589
Second biggest income source==Sale of Cocoa	0.086	0.28	701	0.066	0.249	272	0.098	0.298	429	0.108	0.312	111	0.081	0.274	589
Second biggest income source==Sale of Other Crops	0.301	0.459	701	0.283	0.451	272	0.312	0.464	429	0.225	0.42	111	0.316	0.465	589
Second biggest income source==Sale of Fish, Livestock, or bush products	0.034	0.182	701	0.066	0.249	272	0.014	0.118	429	0.027	0.163	111	0.036	0.186	589
Second biggest income source==Labor (Agricultural)	0.039	0.193	701	0.044	0.206	272	0.035	0.184	429	0.018	0.134	111	0.042	0.202	589
Second biggest income source==Labor (Non-Agricultural)	0.019	0.135	701	0.011	0.105	272	0.023	0.151	429	0.009	0.095	111	0.02	0.141	589
Second biggest income source==Mining	0.034	0.182	701	0.04	0.197	272	0.03	0.172	429	0.018	0.134	111	0.037	0.19	589
Second biggest income source==Own Business or Trading	0.188	0.391	701	0.158	0.365	272	0.207	0.406	429	0.261	0.441	111	0.175	0.38	589
Second biggest income source==Salary Employment	0.037	0.189	701	0.029	0.169	272	0.042	0.201	429	0.009	0.095	111	0.042	0.202	589
Second biggest income source==Other	0.031	0.174	701	0.037	0.189	272	0.028	0.165	429	0.054	0.227	111	0.027	0.163	589
Third biggest income source==None	0.607	0.489	689	0.641	0.481	262	0.585	0.493	427	0.66	0.476	106	0.596	0.491	582
Third biggest income source==Sale of Cocoa	0.01	0.1	689	0.004	0.062	262	0.014	0.118	427	0	0	106	0.012	0.109	582
Third biggest income source==Sale of Other Crops	0.145	0.352	689	0.137	0.345	262	0.15	0.357	427	0.132	0.34	106	0.148	0.355	582
Third biggest income source==Sale of Fish, Livestock, or bush products	0.055	0.228	689	0.038	0.192	262	0.066	0.248	427	0.057	0.232	106	0.055	0.228	582
Third biggest income source==Labor (Agricultural)	0.035	0.183	689	0.031	0.172	262	0.037	0.19	427	0.019	0.137	106	0.038	0.191	582
Third biggest income source==Labor (Non-Agricultural)	0.012	0.107	689	0.015	0.123	262	0.009	0.096	427	0.009	0.097	106	0.012	0.109	582
Third biggest income source==Mining	0.006	0.076	689	0.004	0.062	262	0.007	0.084	427	0	0	106	0.007	0.083	582
Third biggest income source==Own Business or Trading	0.096	0.295	689	0.115	0.319	262	0.084	0.278	427	0.066	0.25	106	0.101	0.302	582
Third biggest income source==Salary Employment	0.017	0.131	689	0.004	0.062	262	0.026	0.159	427	0.009	0.097	106	0.019	0.136	582
Third biggest income source==Other	0.017	0.131	689	0.011	0.107	262	0.021	0.144	427	0.047	0.213	106	0.012	0.109	582
Over the last year, did you or another household member borrow any	0.449	0.498	712	0.531	0.5	273	0.399	0.49	439	0.375	0.486	112	0.463	0.499	600
Amount borrowed (USD) - All HHs	248.59	540.93	706	317.88	622.53	269	205.94	479.72	437	140.4	265.7	112	269.00	576.22	594

	Overall			Bridge Phase			Comparison			Female-Headed			Male-Headed		
Variable	**Mean**	**SD**	**N**	**Mean**	**SD**	**N**	**Mean**	**SD**	**N**	**Mean**	**SD**	**N**	**Mean**	**SD**	**N**
How much did you borrow (USD)? - Only HHs who took loans	558.94	696.45	314	606.45	752.08	141	520.22	647.24	173	374.3	318.4	42	587.44	734.02	272
Were you able to repay the loan within the agreed repayment period?	0.828	0.378	239	0.81	0.395	105	0.843	0.365	134	0.786	0.418	28	0.834	0.373	211
Loan source == Family or friends	0.209	0.407	320	0.207	0.406	145	0.211	0.409	175	0.262	0.445	42	0.201	0.402	278
Loan source == Village money lender	0.109	0.313	320	0.083	0.276	145	0.131	0.339	175	0.119	0.328	42	0.108	0.311	278
Loan source == LBC or PC (licenced buying company or purchasing clerk)	0.25	0.434	320	0.255	0.437	145	0.246	0.432	175	0.19	0.397	42	0.259	0.439	278
Loan source == Microfinance institution (MFI)	0.075	0.264	320	0.055	0.229	145	0.091	0.289	175	0.167	0.377	42	0.061	0.24	278
Loan source == Bank	0.378	0.486	320	0.421	0.495	145	0.343	0.476	175	0.333	0.477	42	0.385	0.487	278
Loan source == Other	0.05	0.218	320	0.055	0.229	145	0.046	0.209	175	0.024	0.154	42	0.054	0.226	278
Loan use == Agricultural Inputs (Seedlings, Fertilizer, Pesticide, Herbicide)	0.403	0.491	320	0.421	0.495	145	0.389	0.489	175	0.286	0.457	42	0.421	0.495	278
Loan use == Farm labor, tools, and mchinery	0.113	0.316	320	0.152	0.36	145	0.08	0.272	175	0.095	0.297	42	0.115	0.32	278
Loan use == Buy land or lease land	0.034	0.182	320	0.062	0.242	145	0.011	0.107	175	0	0	42	0.04	0.195	278
Loan use == Household Expenses (School Fees, Food, Transport, Clothes,	0.372	0.484	320	0.359	0.481	145	0.383	0.487	175	0.429	0.501	42	0.363	0.482	278
Loan use == Small business / trade	0.106	0.309	320	0.097	0.296	145	0.114	0.319	175	0.262	0.445	42	0.083	0.276	278
Loan use == House construction	0.056	0.231	320	0.062	0.242	145	0.051	0.222	175	0.024	0.154	42	0.061	0.24	278
Loan use == Funeral/Medical	0.134	0.342	320	0.11	0.314	145	0.154	0.362	175	0.19	0.397	42	0.126	0.332	278
Loan use == Other	0.116	0.32	320	0.131	0.339	145	0.103	0.305	175	0.024	0.154	42	0.129	0.336	278
Loan collateral == Land	0.103	0.305	320	0.159	0.367	145	0.057	0.233	175	0.143	0.354	42	0.097	0.297	278
Loan collateral == Crops	0.153	0.361	320	0.145	0.353	145	0.16	0.368	175	0.143	0.354	42	0.155	0.362	278
Loan collateral == Cash deposit	0.1	0.3	320	0.083	0.276	145	0.114	0.319	175	0.119	0.328	42	0.097	0.297	278
Loan collateral == None	0.563	0.497	320	0.538	0.5	145	0.583	0.495	175	0.5	0.506	42	0.572	0.496	278
Loan collateral == Other	0.094	0.292	320	0.09	0.287	145	0.097	0.297	175	0.119	0.328	42	0.09	0.287	278
Reason for not taking loan == Not available in the community	0.043	0.204	392	0.031	0.175	128	0.049	0.217	264	0.029	0.168	70	0.047	0.211	322
Reason for not taking loan == Interest rate too high	0.184	0.388	392	0.211	0.41	128	0.17	0.377	264	0.2	0.403	70	0.18	0.385	322
Reason for not taking loan == Repay period too short	0.048	0.215	392	0.031	0.175	128	0.057	0.232	264	0.043	0.204	70	0.05	0.218	322
Reason for not taking loan == Lack of collatoral /security	0.059	0.235	392	0.078	0.269	128	0.049	0.217	264	0.057	0.234	70	0.059	0.236	322
Reason for not taking loan == I didn't need a loan	0.472	0.5	392	0.445	0.499	128	0.485	0.501	264	0.443	0.5	70	0.478	0.5	322
Reason for not taking loan == I don't want to be in debt	0.423	0.495	392	0.422	0.496	128	0.424	0.495	264	0.457	0.502	70	0.416	0.494	322
Reason for not taking loan == Other	0.015	0.123	392	0.031	0.175	128	0.008	0.087	264	0	0	70	0.019	0.135	322
In the past [4 weeks/30 days], was there ever no food to eat of any kind in your household?	0.161	0.368	713	0.223	0.417	273	0.123	0.328	440	0.205	0.406	112	0.153	0.36	601
In the past [4 weeks/30 days], did you or any household member go to bed hungry?	0.149	0.356	713	0.227	0.42	273	0.1	0.3	440	0.188	0.392	112	0.141	0.349	601
In the past [4 weeks/30 days], did you or any household member go a whole day without eating?	0.069	0.253	712	0.114	0.318	272	0.041	0.198	440	0.098	0.299	112	0.063	0.244	600
Over the past year, did any member of your HH engage in off-farm activity?	0.459	0.499	713	0.443	0.498	273	0.468	0.5	440	0.491	0.502	112	0.453	0.498	601
Household income from off-farm activities (USD) - All HHs	144.11	404.64	581	120.96	350.95	223	158.54	434.60	358	150.3	360.35	93	142.93	412.87	488
Household income from off-farm activities (USD) - HHs w/off-farm activities	429.38	605.30	195	379.92	539.28	71	457.71	640.43	124	388.29	496.27	36	438.69	628.36	159
Over the past year, did any member of your household receive income from remittances or pensions?	0.081	0.274	713	0.048	0.213	273	0.102	0.303	440	0.134	0.342	112	0.072	0.258	601
Household income from remittances or pensions (USD) - All HHs	13.24	82.44	701	3.07	19.64	269	19.58	103.41	432	24.744	108.05	108	11.15	76.795	593
Income from remittances/pensions (USD) - HHs who received remittances/pensions	201.83	258.47	46	91.83	61.20	9	228.59	280.92	37	242.94	258.07	11	188.91	260.99	35
Over the past year, did any member of your household earn income from mining or trading gold?	0.093	0.29	713	0.117	0.322	273	0.077	0.267	440	0.054	0.226	112	0.1	0.3	601
Household income from mining or trading gold (USD) - All HHs	28.45	199.02	680	41.75	285.73	256	20.42	119.12	424	18.65	183.05	108	30.30	201.99	572

AGRICULTURAL PRODUCTION: HOUSEHOLD-LEVEL

	Overall			Bridge Phase			Comparison Villages			Female-Headed			Male-Headed		
Variable	**Mean**	**SD**	**N**	**Mean**	**SD**	**N**	**Mean**	**SD**	**N**	**Mean**	**SD**	**N**	**Mean**	**SD**	**N**
Agricultural Production (Household-level Variables)															
Total Number of Different Crops Produced by Household	4.4	3.3	714	4.2	3.0	273	4.6	3.5	441	4.1	2.9	112	4.5	3.4	601
Total Number of Different Crops Sold by Household	2.1	1.7	714	2.1	1.7	273	2.2	1.8	441	2.1	1.9	112	2.2	1.7	601
Most important source of income == Sale of cocoa (%)	63.19	26.11	698	64.8	26.7	269	62.15	25.70	429	60.65	27.70	106	63.64	25.82	592
Most important source of income == Sale of other crops (%)	9.67	12.44	666	9.6	12.2	248	9.72	12.60	418	6.85	11.12	100	10.17	12.61	566
Most important source of income == Other (specify)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Most important crop ==Cassava	0.056	0.23	714	0.059	0.235	273	0.054	0.227	441	0.054	0.226	112	0.057	0.231	601
Most important crop==Cocoa	0.843	0.364	714	0.839	0.368	273	0.846	0.362	441	0.83	0.377	112	0.847	0.36	601
Most important crop==Maize	0.015	0.123	714	0.018	0.134	273	0.014	0.116	441	0.027	0.162	112	0.013	0.115	601
Most important crop==Plantain	0.035	0.184	714	0.033	0.179	273	0.036	0.187	441	0.054	0.226	112	0.032	0.175	601
Most important crop==Other (specify)	0.05	0.219	714	0.051	0.221	273	0.05	0.218	441	0.036	0.186	112	0.052	0.221	601
Second most important crop==Cassava	0.304	0.46	714	0.359	0.481	273	0.27	0.444	441	0.268	0.445	112	0.311	0.463	601
Second most important crop==Cocoa	0.01	0.099	714	0.011	0.104	273	0.009	0.095	441	0.009	0.094	112	0.01	0.099	601
Second most important crop==Cocoyam	0.013	0.112	714	0.007	0.085	273	0.016	0.125	441	0.018	0.133	112	0.012	0.107	601
Second most important crop==Maize	0.056	0.23	714	0.048	0.213	273	0.061	0.24	441	0.027	0.162	112	0.062	0.241	601
Second most important crop==Plantain	0.307	0.461	714	0.297	0.458	273	0.313	0.464	441	0.268	0.445	112	0.314	0.465	601
Second most important crop==Other (specify)	0.168	0.374	714	0.168	0.375	273	0.168	0.374	441	0.143	0.351	112	0.171	0.377	601
Second most important crop==none/ not applicable	0.143	0.35	714	0.11	0.313	273	0.163	0.37	441	0.268	0.445	112	0.12	0.325	601
How many separate farms did your household cultivate crops on	2.417	1.445	707	2.669	1.563	272	2.26	1.344	435	2.045	1.31	111	2.487	1.459	596
Household Owns Land	0.894	0.309	695	0.882	0.323	263	0.9	0.3	432	0.888	0.317	107	0.895	0.307	588
Was any of the land your household owns LEASED OUT to others last year?	0.034	0.181	710	0.04	0.197	273	0.03	0.17	437	0.009	0.095	111	0.038	0.192	599
Was there an ABUNU sharecropper on any of your household's land last year?	0.094	0.292	711	0.128	0.335	273	0.073	0.261	438	0.09	0.288	111	0.095	0.293	600
How much land did your household lease out to others last year?	0.05	0.38	710	0.04	0.34	273	0.06	0.40	437	0.04	0.37	111	0.05	0.38	599
How much of household's land did *abunu* sharecroppers work last year? (Hectares)	0.17	0.65	711	0.20	0.72	273	0.15	0.61	438	0.11	0.47	111	0.18	0.68	600
How many separate farms did your household cultivate cocoa on last year?	2.30	1.43	702	2.49	1.53	269	2.18	1.36	433	1.97	1.41	110	2.4	1.4	592
How much land did your household use for cocoa last year?	2.92	2.51	652	2.84	2.47	242	2.96	2.53	410	2.09	2.01	103	3.1	2.6	549
How has household's land under cocoa cultivation changed over past 5 years?==Decrease	0.142	0.35	702	0.177	0.382	266	0.122	0.327	436	0.135	0.343	111	0.144	0.351	591
How has household's land under cocoa cultivation changed over past 5 years?==No Change	0.493	0.5	702	0.447	0.498	266	0.521	0.5	436	0.568	0.498	111	0.479	0.5	591
How has household's land under cocoa cultivation changed over past 5 years?==Increase	0.365	0.482	702	0.376	0.485	266	0.358	0.48	436	0.297	0.459	111	0.377	0.485	591
Do you have any land documentation that recognizes your right to use any of your cocoa farms?	0.468	0.499	709	0.478	0.5	272	0.462	0.499	437	0.375	0.486	112	0.486	0.5	597
Total Cocoa Production Last Main and Light Seasons (Kg)	1235.9	1603.2	602	1541.4	2222.7	237	1037.55	969.74	365	839.5	1287.5	92	1307.4	1644.7	510
Cocoa Yield Last Main and Light seasons (Kg/Ha)	653.5	1112.9	554	871.4	1511.6	211	519.45	743.10	343	713.5	1644.2	84	642.8	990.5	470
For how many years has household been growing cocoa==1-5	0.103	0.304	708	0.118	0.323	271	0.094	0.292	437	0.107	0.311	112	0.102	0.303	596
For how many years has household been growing cocoa==6-10	0.202	0.402	708	0.188	0.392	271	0.211	0.408	437	0.17	0.377	112	0.208	0.406	596
For how many years has household been growing cocoa==11-15	0.202	0.402	708	0.192	0.395	271	0.208	0.407	437	0.161	0.369	112	0.21	0.407	596

	Overall			Bridge Phase			Comparison Villages			Female-Headed			Male-Headed		
Variable	**Mean**	**SD**	**N**	**Mean**	**SD**	**N**	**Mean**	**SD**	**N**	**Mean**	**SD**	**N**	**Mean**	**SD**	**N**
For how many years has household been growing cocoa==16-20	0.175	0.38	708	0.188	0.392	271	0.167	0.373	437	0.223	0.418	112	0.166	0.372	596
For how many years has household been growing cocoa==20-24	0.076	0.266	708	0.07	0.256	271	0.08	0.272	437	0.071	0.259	112	0.077	0.267	596
For how many years has household been growing cocoa==25	0.242	0.428	708	0.244	0.43	271	0.24	0.428	437	0.268	0.445	112	0.237	0.425	596
Do any of the farms where you cultivated cocoa last year include shade trees?	0.842	0.365	709	0.782	0.413	271	0.879	0.327	438	0.784	0.414	111	0.853	0.355	598
HH has any cocoa farm with naturally occurring shade trees	0.661	0.474	709	0.657	0.476	271	0.664	0.473	438	0.712	0.455	111	0.652	0.477	598
HH has any cocoa farm with planted shade trees	0.512	0.5	709	0.435	0.497	271	0.559	0.497	438	0.378	0.487	111	0.537	0.499	598
HH has any cocoa farm with planted & naturally occurring shade	0.333	0.472	709	0.314	0.465	271	0.345	0.476	438	0.306	0.463	111	0.338	0.473	598
Did your household do any land clearing of bush for new cocoa	0.374	0.484	712	0.374	0.485	273	0.374	0.484	439	0.33	0.472	112	0.382	0.486	600
Did your household do any land clearing of bush for any other purposes last year?	0.119	0.324	712	0.147	0.355	272	0.102	0.303	440	0.071	0.259	112	0.128	0.335	600
Did your household do any land clearing of forest for new cocoa	0.08	0.271	713	0.088	0.284	273	0.075	0.264	440	0.063	0.243	112	0.083	0.276	601
Was granular fertilizer applied on your household's cocoa last	0.389	0.488	676	0.347	0.477	265	0.416	0.494	411	0.269	0.446	104	0.411	0.492	572
Was liquid fertilizer applied on your household's cocoa last year?	0.388	0.488	713	0.429	0.496	273	0.364	0.482	440	0.375	0.486	112	0.391	0.488	601
Was any fertilizer applied on your household's cocoa last year?	0.617	0.486	713	0.623	0.486	273	0.614	0.487	440	0.5	0.502	112	0.639	0.481	601
Was manure or compost applied on your household's cocoa last	0.101	0.302	713	0.11	0.313	273	0.095	0.294	440	0.08	0.273	112	0.105	0.307	601
Was herbicide applied on your household's cocoa last year?	0.821	0.384	710	0.772	0.42	272	0.852	0.356	438	0.732	0.445	112	0.838	0.369	598
Was pesticide or insecticide applied on your household's cocoa	0.823	0.382	710	0.828	0.378	273	0.819	0.385	437	0.705	0.458	112	0.844	0.363	598
Was fungicide applied on your household's cocoa last year?	0.674	0.469	709	0.641	0.481	273	0.695	0.461	436	0.598	0.492	112	0.688	0.464	597
Who did harvesting for cocoa? == Household	0.866	0.341	692	0.869	0.338	267	0.864	0.344	425	0.67	0.473	106	0.901	0.299	586
Who did harvesting for cocoa? == Hired Labor	0.363	0.481	692	0.404	0.492	267	0.336	0.473	425	0.491	0.502	106	0.34	0.474	586
Who did harvesting for cocoa? == Communal Labor	0.046	0.21	692	0.037	0.19	267	0.052	0.222	425	0.057	0.232	106	0.044	0.206	586
Who did harvesting for cocoa? == Company	0.001	0.038	692	0	0	267	0.002	0.049	425	0	0	106	0.002	0.041	586
Who did harvesting for cocoa?==males	0.414	0.493	691	0.431	0.496	267	0.403	0.491	424	0.396	0.491	106	0.417	0.494	585
Who did harvesting for cocoa?==females	0.03	0.172	691	0.03	0.171	267	0.031	0.173	424	0.151	0.36	106	0.009	0.092	585
Who did harvesting for cocoa?==both males and females	0.556	0.497	691	0.539	0.499	267	0.566	0.496	424	0.453	0.5	106	0.574	0.495	585
Income From Cocoa Last Year (USD)	1647.1	3379.6	639	2208.8	4887.5	248	1290.87	1796.61	391	1084.2	2441.1	102	1754.0	3521.5	537
Income per Hectare from Cocoa Last Year (USD / Ha)	909.7	2196.7	582	1349.6	3297.4	217	648.18	1032.61	365	864.1	2276.4	93	918.4	2183.5	489
Did YOU yourself receive any training related to cocoa farming in the past 3 years	0.592	0.492	709	0.648	0.478	273	0.557	0.497	436	0.509	0.502	112	0.608	0.489	597
Did YOU yourself receive any training related to cocoa farming LAST YEAR?	0.478	0.5	712	0.52	0.501	273	0.451	0.498	439	0.366	0.484	112	0.498	0.5	600
Has your household ever replanted your cocoa trees on any of your farms?	0.403	0.491	712	0.41	0.493	273	0.399	0.49	439	0.441	0.499	111	0.396	0.489	601
Do you want to replant any of your cocoa trees?	0.327	0.47	422	0.354	0.48	161	0.31	0.464	261	0.262	0.444	61	0.338	0.474	361
Why have you not replanted?==Cannot afford to	0.326	0.47	132	0.255	0.44	55	0.377	0.488	77	0.313	0.479	16	0.328	0.471	116
Why have you not replanted?==Do not have permission from landlord to replant cocoa tree	0.121	0.328	132	0.145	0.356	55	0.104	0.307	77	0.063	0.25	16	0.129	0.337	116
Why have you not replanted?==Do not have sufficient knowledge	0.091	0.289	132	0.073	0.262	55	0.104	0.307	77	0.063	0.25	16	0.095	0.294	116
Why have you not replanted?==Do not have access to new cocoa	0.159	0.367	132	0.109	0.315	55	0.195	0.399	77	0.188	0.403	16	0.155	0.364	116
Why have you not replanted?==Cocoa trees are still young == too early to replant	0.167	0.374	132	0.236	0.429	55	0.117	0.323	77	0	0	16	0.19	0.394	116
Why have you not replanted?==Other (specify)	0.03	0.172	132	0.073	0.262	55	0	0	77	0.063	0.25	16	0.026	0.159	116
Why have you not replanted?== Will replant soon	0.106	0.309	132	0.109	0.315	55	0.104	0.307	77	0.313	0.479	16	0.078	0.269	116
Why do you not want to replant?==Cannot afford to	0.124	0.33	275	0.089	0.286	101	0.144	0.352	174	0.262	0.445	42	0.099	0.299	233

	Overall			Bridge Phase			Comparison Villages			Female-Headed			Male-Headed		
Variable	**Mean**	**SD**	**N**	**Mean**	**SD**	**N**	**Mean**	**SD**	**N**	**Mean**	**SD**	**N**	**Mean**	**SD**	**N**
Why do you not want to replant?==Do not have permission from landlord to replant cocoa	0.076	0.266	275	0.04	0.196	101	0.098	0.298	174	0.071	0.261	42	0.077	0.268	233
Why do you not want to replant?==Do not have sufficient knowledge	0.029	0.168	275	0.04	0.196	101	0.023	0.15	174	0.071	0.261	42	0.021	0.145	233
Why do you not want to replant?==Do not have access to new cocoa seedlings	0.015	0.12	275	0.03	0.171	101	0.006	0.076	174	0.024	0.154	42	0.013	0.113	233
Why do you not want to replant?==Cocoa trees are still young - too early to replant	0.727	0.446	275	0.772	0.421	101	0.701	0.459	174	0.548	0.504	42	0.76	0.428	233
Why do you not want to replant?==Other (specify)	0.029	0.168	275	0.03	0.171	101	0.029	0.168	174	0.024	0.154	42	0.03	0.171	233
Would you be interested in a farm rehabilitation program?	0.441	0.497	700	0.504	0.501	270	0.402	0.491	430	0.463	0.501	108	0.438	0.496	592
Reason for disinterest in farm rehab == Cant Afford To	0.23	0.421	391	0.224	0.418	134	0.233	0.424	257	0.276	0.451	58	0.222	0.416	333
Reason for disinterest in farm rehab == No Landlord Permission	0.097	0.297	391	0.075	0.264	134	0.109	0.312	257	0.086	0.283	58	0.099	0.299	333
Reason for disinterest in farm rehab == Lack Knowledge	0.064	0.245	391	0.045	0.208	134	0.074	0.262	257	0.052	0.223	58	0.066	0.249	333
Reason for disinterest in farm rehab == Lack Access To Seedlings	0.013	0.113	391	0.015	0.122	134	0.012	0.108	257	0.034	0.184	58	0.009	0.095	333
Reason for disinterest in farm rehab == Need More Information	0.1	0.3	391	0.112	0.316	134	0.093	0.292	257	0.086	0.283	58	0.102	0.303	333
Reason for disinterest in farm rehab == Cocoa Trees Too Young	0.478	0.5	391	0.47	0.501	134	0.482	0.501	257	0.362	0.485	58	0.498	0.501	333
Reason for disinterest in farm rehab == Other	0.072	0.258	391	0.097	0.297	134	0.058	0.235	257	0.121	0.329	58	0.063	0.243	333
Do you have the right to cut and replant your cocoa farms, if you wanted to?	0.748	0.434	707	0.705	0.457	271	0.775	0.418	436	0.795	0.406	112	0.739	0.439	595

FARM ACQUISITION AND TENURE SECURITY: FARM-LEVEL

	Overall			Bridge Phase			Comparison			Female-Headed			Male-Headed		
Variable	**Mean**	**SD**	**N**	**Mean**	**SD**	**N**	**Mean**	**SD**	**N**	**Mean**	**SD**	**N**	**Mean**	**SD**	**N**
Farm Acquisition and Tenure Security (Farm-Level Variables)															
Farm Area (Ha)	1.43	2.33	1768	1.36	3.15	733	1.48	1.49	1035	1.17	1.88	236	1.47	2.39	1532
Farm is swampy or water-logged	0.243	0.429	1785	0.203	0.403	738	0.271	0.445	1047	0.202	0.403	242	0.25	0.433	1543
Farm is steeply sloped	0.085	0.279	1791	0.079	0.271	743	0.089	0.285	1048	0.079	0.27	242	0.086	0.28	1549
Farm located within 1 km of forest	0.129	0.335	1476	0.11	0.314	580	0.141	0.348	896	0.077	0.267	208	0.137	0.344	1268
Main crop on farm==Cassava	0.022	0.146	1791	0.028	0.166	743	0.017	0.13	1048	0.033	0.179	242	0.02	0.14	1549
Main crop on farm==Cocoa	0.884	0.32	1791	0.898	0.303	743	0.875	0.331	1048	0.897	0.305	242	0.883	0.322	1549
Main crop on farm==Maize	0.007	0.082	1791	0.008	0.09	743	0.006	0.075	1048	0	0	242	0.008	0.088	1549
Main crop on farm==Plantain	0.025	0.155	1791	0.022	0.145	743	0.027	0.161	1048	0.017	0.128	242	0.026	0.159	1549
Main crop on farm==Other (specify)	0.009	0.094	1791	0.007	0.082	743	0.01	0.102	1048	0	0	242	0.01	0.101	1549
Main crop on farm==none / not applicable	0.037	0.188	1791	0.022	0.145	743	0.048	0.213	1048	0.05	0.218	242	0.035	0.183	1549
Main crop on farm== Fruit	0.017	0.128	1791	0.016	0.126	743	0.017	0.13	1048	0.004	0.064	242	0.019	0.136	1549
Farm acquired through my rights as landowning family member	0.105	0.307	1789	0.096	0.294	743	0.112	0.315	1046	0.212	0.409	241	0.089	0.284	1548
Farm acquired through an *abunu* land agreement with another individual or family	0.383	0.486	1789	0.44	0.497	743	0.343	0.475	1046	0.195	0.397	241	0.413	0.492	1548
Farm acquired through an *abusa* land agreement with another individual or family	0.044	0.206	1789	0.051	0.22	743	0.039	0.194	1046	0.017	0.128	241	0.048	0.215	1548
Farm acquired through an *asidee* land agreement with another individual or family	0.009	0.094	1789	0.015	0.121	743	0.005	0.069	1046	0.021	0.143	241	0.007	0.084	1548
Farm acquired through another type of land agreement	0.025	0.157	1789	0.026	0.158	743	0.025	0.156	1046	0.008	0.091	241	0.028	0.164	1548
Farm acquired through direct purchase from chief	0.062	0.241	1789	0.081	0.273	743	0.049	0.215	1046	0.058	0.234	241	0.063	0.242	1548
Farm acquired through direct purchase from landowning family	0.041	0.198	1789	0.059	0.236	743	0.028	0.164	1046	0.058	0.234	241	0.038	0.192	1548
Farm acquired by==Inherited farm through mother's line	0.087	0.281	1789	0.079	0.271	743	0.092	0.289	1046	0.154	0.361	241	0.076	0.265	1548
Farm acquired by== Inherited farm through father's line	0.203	0.402	1789	0.113	0.317	743	0.267	0.442	1046	0.195	0.397	241	0.204	0.403	1548
Farm acquired by==Received farm as a gift	0.024	0.153	1789	0.024	0.154	743	0.024	0.153	1046	0.05	0.218	241	0.02	0.14	1548
Who primarily decides how to use farm? == Household Head	0.925	0.264	1789	0.903	0.296	743	0.94	0.238	1046	0.909	0.288	242	0.927	0.26	1547
Who primarily decides how to use farm? == Spouse	0.04	0.195	1789	0.048	0.215	743	0.033	0.18	1046	0.021	0.143	242	0.043	0.202	1547
Who primarily decides how to use farm? == Child	0.007	0.085	1789	0.011	0.103	743	0.005	0.069	1046	0.041	0.199	242	0.002	0.044	1547
Who primarily decides how to use farm? == Parent/Parent==in==law	0.008	0.088	1789	0.009	0.097	743	0.007	0.082	1046	0	0	242	0.009	0.095	1547
Who primarily decides how to use farm? == Other Relative	0.01	0.097	1789	0.011	0.103	743	0.009	0.092	1046	0.017	0.128	242	0.008	0.091	1547
Who primarily decides how to use farm? == Non==relative	0.011	0.105	1789	0.017	0.131	743	0.007	0.082	1046	0.012	0.111	242	0.011	0.104	1547
HH has right to sell farm	0.295	0.456	1789	0.324	0.468	744	0.274	0.446	1045	0.405	0.492	242	0.277	0.448	1547
HH has right to lease farm to someone else	0.376	0.484	1789	0.407	0.492	744	0.353	0.478	1045	0.455	0.499	242	0.363	0.481	1547
HH has right to bequeath farm to heirs	0.42	0.494	1788	0.433	0.496	743	0.411	0.492	1045	0.477	0.501	241	0.411	0.492	1547
Encroachment by extended family==Impossible/would never happen	0.813	0.39	1793	0.772	0.42	746	0.841	0.365	1047	0.86	0.348	242	0.805	0.396	1551
Encroachment by extended family==Highly unlikely	0.152	0.359	1793	0.188	0.391	746	0.126	0.332	1047	0.103	0.305	242	0.159	0.366	1551
Encroachment by extended family==Unsure/I don't know	0.011	0.105	1793	0.012	0.109	746	0.011	0.102	1047	0	0	242	0.013	0.113	1551
Encroachment by extended family==Likely	0.017	0.128	1793	0.023	0.149	746	0.012	0.111	1047	0.025	0.156	242	0.015	0.123	1551
Encroachment by extended family==Very Likely	0.007	0.085	1793	0.005	0.073	746	0.009	0.092	1047	0.008	0.091	242	0.007	0.084	1551
Encroachment by extended family==Happening right now	0.001	0.024	1793	0	0	746	0.001	0.031	1047	0.004	0.064	242	0	0	1551
Encroachment by village chief==Impossible/would never happen	0.781	0.413	1794	0.74	0.439	746	0.811	0.392	1048	0.872	0.335	242	0.767	0.423	1552
Encroachment by village chief==Highly unlikely	0.175	0.38	1794	0.213	0.41	746	0.148	0.355	1048	0.107	0.31	242	0.186	0.389	1552
Encroachment by village chief==Unsure/I don't know	0.023	0.151	1794	0.021	0.145	746	0.025	0.156	1048	0.008	0.091	242	0.026	0.159	1552
Encroachment by village chief==Likely	0.012	0.108	1794	0.016	0.126	746	0.009	0.092	1048	0.004	0.064	242	0.013	0.113	1552

	Overall			Bridge Phase			Comparison			Female-Headed			Male-Headed		
Variable	**Mean**	**SD**	**N**	**Mean**	**SD**	**N**	**Mean**	**SD**	**N**	**Mean**	**SD**	**N**	**Mean**	**SD**	**N**
Encroachment by village chief==Very Likely	0.008	0.091	1794	0.009	0.096	746	0.008	0.087	1048	0.008	0.091	242	0.008	0.091	1552
Encroachment by landlord==Impossible/would never happen	0.606	0.489	772	0.582	0.494	371	0.628	0.484	401	0.6	0.494	55	0.607	0.489	717
Encroachment by landlord==Highly unlikely	0.268	0.443	772	0.302	0.46	371	0.237	0.426	401	0.236	0.429	55	0.271	0.445	717
Encroachment by landlord==Unsure/I don't know	0.044	0.205	772	0.032	0.177	371	0.055	0.228	401	0	0	55	0.047	0.213	717
Encroachment by landlord==Likely	0.044	0.205	772	0.051	0.221	371	0.037	0.19	401	0.109	0.315	55	0.039	0.194	717
Encroachment by landlord==Very Likely	0.036	0.187	772	0.03	0.17	371	0.042	0.202	401	0.036	0.189	55	0.036	0.187	717
Encroachment by landlord==Happening right now	0.001	0.036	772	0.003	0.052	371	0	0	401	0.018	0.135	55	0	0	717
Has Right to Cut and Replant Cocoa Farm	0.679	0.467	1577	0.627	0.484	664	0.716	0.451	913	0.779	0.416	217	0.663	0.473	1360
Impossible/Highly Unlikely Someone Will Claim Farm w/o permission if you cut & replant	0.857	0.35	1582	0.838	0.369	667	0.871	0.335	915	0.94	0.238	217	0.844	0.363	1365
Who do you need permission from to cut/replant == No one	0.655	0.476	1584	0.592	0.492	667	0.7	0.458	917	0.774	0.419	217	0.636	0.481	1367
Who do you need permission from to cut/replant == Family Head	0.053	0.224	1584	0.075	0.264	667	0.037	0.189	917	0.055	0.229	217	0.053	0.223	1367
Who do you need permission from to cut/replant == Landlord	0.021	0.143	1584	0.016	0.127	667	0.024	0.153	917	0	0	217	0.024	0.154	1367
Who do you need permission from to cut/replant == Chief	0.009	0.097	1584	0.015	0.122	667	0.005	0.074	917	0.014	0.117	217	0.009	0.093	1367
Are you worried you could lose rights to this farm in next 3 years?	0.251	0.434	1767	0.207	0.405	730	0.283	0.45	1037	0.218	0.413	239	0.257	0.437	1528
Why worried? == Landlord may ask me to leave	0.27	0.445	444	0.43	0.497	151	0.188	0.391	293	0.212	0.412	52	0.278	0.449	392
Why worried? == Disagreement with family	0.236	0.425	444	0.152	0.361	151	0.28	0.45	293	0.212	0.412	52	0.24	0.428	392
Why worried? == Lack of money for maintenance	0.122	0.327	444	0.053	0.225	151	0.157	0.364	293	0.154	0.364	52	0.117	0.322	392
Why worried? == Government may seize it	0.106	0.308	444	0.132	0.34	151	0.092	0.29	293	0	0	52	0.12	0.325	392
Why worried? == Issue with local authorities	0.144	0.352	444	0.093	0.291	151	0.171	0.377	293	0.096	0.298	52	0.151	0.358	392
Why worried? == Poor land records administration	0.068	0.251	444	0.073	0.261	151	0.065	0.247	293	0.038	0.194	52	0.071	0.258	392
Why worried? == Conflict/terrorism	0.119	0.325	444	0.106	0.309	151	0.126	0.333	293	0.212	0.412	52	0.107	0.31	392
Why worried? == Other	0.11	0.314	444	0.079	0.271	151	0.126	0.333	293	0.096	0.298	52	0.112	0.316	392
Years farm could lie fallow without worrying it gets reallocated to another HH	1.894	6.193	770	2.257	7.699	370	1.559	4.343	400	3.259	9.554	83	1.73	5.642	687
Farm documentation == Written *abunu/asidee* agreement	0.334	0.472	649	0.458	0.499	288	0.235	0.425	361	0.107	0.311	75	0.364	0.482	574
Farm documentation == Farm management plan	0.169	0.375	649	0.09	0.287	288	0.233	0.423	361	0.24	0.43	75	0.16	0.367	574
Farm documentation == Customary land certificate	0.411	0.492	649	0.319	0.467	288	0.485	0.5	361	0.573	0.498	75	0.39	0.488	574
Farm documentation == FarmSeal	0.066	0.249	649	0.125	0.331	288	0.019	0.138	361	0.08	0.273	75	0.064	0.246	574
If you could obtain a paper document of you right to use farm, would you?	0.836	0.37	1098	0.85	0.357	440	0.827	0.379	658	0.895	0.307	162	0.826	0.379	936
Are you familiar with customary land certificates in Ghana?	0.32	0.466	1777	0.431	0.496	742	0.24	0.427	1035	0.301	0.46	239	0.322	0.468	1538
Amount HH willing to pay for FarmSeal document for this farm (USD)	78.17	114.93	1129	72.14	69.48	491	82.82	140.10	638	60.60	64.70	145	80.76	120.3	984
HH has already participated in land mapping & certification for this farm	0.263	0.44	1769	0.215	0.411	735	0.297	0.457	1034	0.215	0.412	237	0.27	0.444	1532
Did HH receive paper certificate for farm through previous mapping & certification process?	0.48	0.5	465	0.494	0.502	158	0.472	0.5	307	0.549	0.503	51	0.471	0.5	414
Any land dispute with farm, past 3 years	0.025	0.157	1790	0.03	0.17	742	0.022	0.147	1048	0.037	0.19	242	0.023	0.151	1548

COCOA AND OTHER CROP PRODUCTION: FARM-LEVEL

	Over			Bridge Phase			Comparison			Female-Headed			Male-Headed		
Variable	**Mean**	**SD**	**N**	**Mean**	**SD**	**N**	**Mean**	**SD**	**N**	**Mean**	**SD**	**N**	**Mean**	**SD**	**N**
Cocoa and Other Crop Production (Farm-Level Variables)															
Age of cocoa trees on farm (years)	12.9	9.3	1427	13.6	9.5	572	12.4	9.2	855	13.8	11.0	201	12.8	9.0	1226
Cocoa trees on farm suffer from swollen shoot virus	0.305	0.461	1584	0.285	0.452	667	0.32	0.467	917	0.341	0.475	217	0.299	0.458	1367
Cocoa trees on farm suffer from Black pod disease	0.636	0.481	1584	0.642	0.48	667	0.631	0.483	917	0.664	0.474	217	0.631	0.483	1367
Cocoa trees on farm suffer from Blight thread	0.358	0.48	1584	0.325	0.469	667	0.382	0.486	917	0.465	0.5	217	0.341	0.474	1367
Cocoa trees on farm suffer from other disease	0.037	0.188	1584	0.052	0.223	667	0.025	0.156	917	0.046	0.21	217	0.035	0.184	1367
Cocoa trees on farm do not suffer from disease	0.263	0.441	1584	0.244	0.43	667	0.277	0.448	917	0.249	0.433	217	0.266	0.442	1367
How badly are trees affected by disease? (1=Mild/Low; 3=Severe)	1.6	1.2	1572	1.6	1.1	664	1.6	1.2	908	1.8	1.2	216	1.6	1.2	1356
Cocoa trees on farm suffer from mistletoe	0.136	0.343	1584	0.159	0.366	667	0.119	0.324	917	0.166	0.373	217	0.131	0.337	1367
Cocoa trees on farm suffer from *akate*	0.772	0.42	1584	0.793	0.405	667	0.757	0.429	917	0.76	0.428	217	0.774	0.418	1367
Cocoa trees on farm suffer from mirids	0.238	0.426	1584	0.22	0.415	667	0.251	0.434	917	0.276	0.448	217	0.232	0.422	1367
Cocoa trees on farm suffer from black ants	0.159	0.366	1584	0.175	0.381	667	0.147	0.355	917	0.166	0.373	217	0.158	0.365	1367
Cocoa trees on farm suffer from termites	0.28	0.449	1584	0.217	0.413	667	0.326	0.469	917	0.323	0.469	217	0.274	0.446	1367
Cocoa trees on farm suffer from rodents	0.063	0.243	1584	0.049	0.217	667	0.073	0.26	917	0.037	0.189	217	0.067	0.251	1367
Cocoa trees on farm suffer from *atee*	0.591	0.492	1584	0.513	0.5	667	0.648	0.478	917	0.576	0.495	217	0.593	0.491	1367
Cocoa trees on farm suffer from other pests	0.01	0.1	1584	0.019	0.138	667	0.003	0.057	917	0.005	0.068	217	0.011	0.104	1367
Cocoa trees on farm do not suffer from pests	0.155	0.362	1584	0.145	0.353	667	0.161	0.368	917	0.161	0.369	217	0.154	0.361	1367
How badly are trees affected by pests? (1=Mild/Low; 3=Severe)	1.8	1.1	1575	1.7	1.0	664	1.9	1.1	911	2.0	1.1	216	1.8	1.1	1359
Does this farm include shade trees? == No	0.233	0.423	1565	0.316	0.465	659	0.173	0.379	906	0.321	0.468	215	0.219	0.414	1350
Does this farm include shade trees? == Yes, naturally occurring	0.356	0.479	1565	0.395	0.489	659	0.328	0.47	906	0.386	0.488	215	0.351	0.477	1350
Does this farm include shade trees? == Yes, planted	0.159	0.366	1565	0.096	0.294	659	0.205	0.404	906	0.079	0.27	215	0.172	0.377	1350
Does this farm include shade trees? == Yes, both planted & naturally	0.252	0.434	1565	0.194	0.396	659	0.294	0.456	906	0.214	0.411	215	0.258	0.438	1350
Is this farm part of a rehabilitation program? == No	0.972	0.165	1580	0.977	0.149	664	0.968	0.175	916	0.986	0.117	216	0.97	0.171	1364
Is this farm part of a rehabilitation program? == Yes, MOFA	0.011	0.106	1580	0.008	0.087	664	0.014	0.118	916	0	0	216	0.013	0.114	1364
Is this farm part of a rehabilitation program? == Yes, ECOM	0.009	0.097	1580	0.012	0.109	664	0.008	0.087	916	0.005	0.068	216	0.01	0.101	1364
Is this farm part of a rehabilitation program? == Yes, NGO	0.001	0.025	1580	0.002	0.039	664	0	0	916	0	0	216	0.001	0.027	1364
Is this farm part of a rehabilitation program? == Yes, COCOBOD	0.006	0.079	1580	0.002	0.039	664	0.01	0.099	916	0.009	0.096	216	0.006	0.076	1364
Financed replanting through family/friends	0.108	0.31	362	0.151	0.359	139	0.081	0.273	223	0.105	0.31	57	0.108	0.311	305
HH financed replanting through Licensed Buying Company or PC	0.03	0.172	362	0.043	0.204	139	0.022	0.148	223	0	0	57	0.036	0.187	305
HH financed replanting through Bank	0.039	0.193	362	0.079	0.271	139	0.013	0.115	223	0.018	0.132	57	0.043	0.202	305
HH financed replanting through Self-Financed	0.801	0.4	362	0.719	0.451	139	0.852	0.356	223	0.842	0.368	57	0.793	0.406	305
HH financed replanting through Other Source	0.055	0.229	362	0.058	0.234	139	0.054	0.226	223	0.018	0.132	57	0.062	0.242	305
HH has perceived right to replant cocoa trees on farm	0.679	0.467	1577	0.627	0.484	664	0.716	0.451	913	0.779	0.416	217	0.663	0.473	1360
Income Per Farm From Non-Cocoa Crops (USD)	109.90	375.27	100	62.67	218.15	42	144.11	455.55	58	243.9	659.7	8	98.25	343.53	92