

1 Appendix A: Bivariate probit regression results

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
Weather Forecast					
Age of HH	-.0029958	.00751	-0.40	0.690	-.01771 .0117222
Gender	-.00828164	.1942	-0.43	0.670	-.4634406 .2978078
Educated	.5252239	.29692	1.77	0.077	-.05672 1.107172
Monthly income	1.56e-06	.00002	0.09	0.929	-.0000327 .0000358
Farm size	-.0261814	.04073	-0.64	0.520	-.1060047 .0536419
rear livestock	-.630438	.34385	-1.83	0.067	-1.30437 .0434945
Own Radio	-.6881776	.34413	-2.00	0.046	-1.362664 -.013691
Own Mobile phone	-.9589033	.24683	-3.88	0.000	-1.442677 -.4751299
Part of the farmer group	-.0487139	.24224	-0.20	0.843	-.5316975 .4342697
Access to extension	-.014488	2561.1	-0.06	0.952	-.4892788 .4603029
Know climate change	6.423393	.19599	0.00	0.998	-5014.952 5027.799
Extreme events negatively affected	-.0273229	.24461	-0.14	0.889	-.4114496 .3568038
Accuracy	.4510665	.26639	1.84	0.065	-.0283644 .9304974
Timely	.7304889	.25829	2.74	0.006	.2083717 1.252606
Localized	.1586754	.25829	0.61	0.539	-.3475565 .6649073
_cons	-5.331958	2561.1	-0.00	0.998	-5026.708 5016.044
Seasonal Forecast					
Age of HH	-.0079339	.00702	-1.13	0.258	-.0216924 .0058245
Gender	.0340023	.18802	0.18	0.856	-.334509 .4025135
Educated	-.0265962	.26897	-0.10	0.921	-.5537697 .5005774
Monthly income	9.25e-06	.00002	0.52	0.606	-.0000259 .0000444
Farm size	.1117437	.04297	2.60	0.009	.0275227 .1959648
rear livestock	.7745659	.34398	2.25	0.024	.1003811 1.448751
Own Radio	-.5082144	.30114	-1.69	0.091	-1.098439 .0820099
Own Mobile phone	-.1748108	.22955	-0.76	0.446	-.6247257 .2751042
Part of the farmer group	.027255	.24775	0.11	0.912	-.4583295 .5128395
Access to extension	.0776708	.23757	0.33	0.744	-.3879648 .5433064
Know climate change	.2542423	.44642	0.57	0.569	-.6207292 1.129214
Extreme events negatively affected	.1699296	.18887	0.90	0.368	-.2002564 .5401156
Accuracy	.5967123	.23541	2.53	0.011	.1353161 1.058109
Timely	-.4875593	.26190	-1.86	0.063	-1.000878 .0257591
Localized	.6513517	.24771	2.63	0.009	.1658389 1.136864
_cons	-.8027432	.81374	-0.99	0.324	-2.397637 .7921507
/ athrho	.174554	.12926	1.35	0.177	-.0787966 .4279046
rho	.1728025	.12540			-.0786339 .4035686
LR test of rho=0: chi2 (1) = 1.84391 Prob > chi2 = 0.1745					
Wald chi2 (30)	71.84				
Pro > chi2	0.0000				
Number of observations	217				
Log likelihood	-241.78912				

Appendix B: multicollinearity test for the independent variables

<i>Variable</i>	<i>VIF</i>	<i>1/VIF</i>
<i>Age of household head</i>	1.17	0.858176
<i>Gender</i>	1.08	0.927279
<i>Education status</i>	1.17	0.858196
<i>Monthly income</i>	1.13	0.888056
<i>Land size</i>	1.10	0.908862
<i>Mixed farming</i>	1.06	0.942498
<i>Ownership of radio</i>	1.22	0.820634
<i>Ownership of mobile phone</i>	1.14	0.879799
<i>Part of the farmer group</i>	1.50	0.668620
<i>Access to extension services</i>	1.60	0.624631
<i>Knowledge of climate change</i>	2.15	0.465135
<i>Climate change has negative effects on crop production</i>	2.06	0.484417
<i>Climate services accuracy</i>	1.38	0.724491
<i>Timely climate information</i>	1.44	0.693950
<i>Localized climate information</i>	1.45	0.688233
<i>Mean VIF</i>		1.38