

Table S6: CRE-OPRETRE estimates of determinants of household's use of storage facility and levels of SAP adoption

VARIABLES	(1) Odered_SAP s	(2) Storage_facility	(3) / Odered_SAP s	(4) /
0b. Storage_facility#c.Sex_HHH	0.0625* (0.0341)		0.0625* (0.0341)	
1. Storage_facility#c.Sex_HHH	-0.0271* (0.0153)		-0.0271* (0.0153)	
0b. Storage_facility#c.Age_HHH	-0.0187** (0.0091)		-0.0187** (0.0091)	
1. Storage_facility#c.Age_HHH	0.0300*** (0.0024)		0.0300*** (0.0024)	
0b. Storage_facility#c.Education_HHH	0.0296** (0.0117)		0.0296** (0.0117)	
1. Storage_facility#c.Education_HHH	0.0631 (0.0864)		0.0631 (0.0864)	
0b. Storage_facility#c.FBO_residual	0.0518*** (0.0126)		0.0518*** (0.0126)	
1. Storage_facility#c.FBO_residual	0.0501** (0.0248)		0.0501** (0.0248)	
0b. Storage_facility#c.Plot_size	-0.0405 (0.0435)		-0.0405 (0.0435)	
1. Storage_facility#c.Plot_size	-0.0124 (0.0732)		-0.0124 (0.0732)	
0b. Storage_facility#c.Labour use	0.360*** (0.107)		0.360*** (0.107)	
1. Storage_facility#c. Labour use	0.0703*** (0.0220)		0.0703*** (0.0220)	
0b. Storage_facility#c.Contract farming	0.504*** (0.158)		0.504*** (0.158)	

1. Storage_facility#c.Contract farming	0.232*	0.232*
	(0.125)	(0.125)
0b. Storage_facility#c.Extension advice	-0.0690	-0.0690
	(0.0892)	(0.0892)
1. Storage_facility#c.Extension advice	0.0876	0.0876
	(0.0679)	(0.0679)
0b. Storage_facility#c.FBO membership status	-0.608***	-0.608***
	(0.104)	(0.104)
1. Storage_facility#c.FBO membership status	-0.0980***	-0.0980***
	(0.0351)	(0.0351)
0b. Storage_facility#c.Credit	-0.0905	-0.0905
	(0.106)	(0.106)
1. Storage_facility#c.Credit	0.0358	0.0358
	(0.0817)	(0.0817)
0b. Storage_facility#c.Tenure security	-0.0431	-0.0431
	(0.0973)	(0.0973)
1. Storage_facility#c.Tenure security	-0.00691	-0.00691
	(0.0730)	(0.0730)
0b. Storage_facility#c.Asset index	-0.0853*	-0.0853*
	(0.0428)	(0.0428)
1. Storage_facility#c.Asset index	-0.0678**	-0.0678**
	(0.0315)	(0.0315)
0b. Storage_facility#c.Dependency ratio	0.00445	0.00445
	(0.0461)	(0.0461)
1. Storage_facility#c.Dependency ratio	0.0189	0.0189
	(0.0381)	(0.0381)
0b.Storage_facility#c.Above_ave	0.171*	0.171*
	(0.0893)	(0.0893)
1.Storage_facility#c.Above_ave	0.00392	0.00392
	(0.0675)	(0.0675)
0b.Storage_facility#c.Average	0.164*	0.164*
	(0.0904)	(0.0904)
1.Storage_facility#c.Average	0.0320	0.0320

	(0.0699)	(0.0699)
0b.Storage_facility#c.Losess	0.0494***	0.0494***
	(0.0110)	(0.0110)
1.Storage_facility#c.Losess	-0.0914**	-0.0914**
	(0.0389)	(0.0389)
0b.Storage_facility#c.Ethiopia	0.104	0.104
	(0.168)	(0.168)
1.Storage_facility#c.Ethiopia	0.245	0.245
	(0.269)	(0.269)
0b.Storage_facility#c.Ghana	-0.0446**	-0.0446**
	(0.0198)	(0.0198)
1.Storage_facility#c.Ghana	0.356*	0.356*
	(0.182)	(0.182)
0b.Storage_facility#c.Kenya	-0.557***	-0.557***
	(0.128)	(0.128)
1.Storage_facility#c.Kenya	0.0375***	0.0375***
	(0.0125)	(0.0125)
0b.Storage_facility#c.Malawi	-0.0631	-0.0631
	(0.167)	(0.167)
1.Storage_facility#c.Malawi	-0.0652	-0.0652
	(0.171)	(0.171)
0b.Storage_facility#c.Nigeria	0.0205*	0.0205*
	(0.0112)	(0.0112)
1o.Storage_facility#co.Nigeria	0.0832***	0.0832***
	(0.0244)	(0.0244)
0b.Storage_facility#c.Tanzania	-0.534*	-0.534*
	(0.300)	(0.300)
1.Storage_facility#c.Tanzania	0.534***	0.534***
	(0.193)	(0.193)
0b.Storage_facility#c.Mozambique	0.365***	0.365***
	(0.122)	(0.122)
1.Storage_facility#c.Mozambique	0.695***	0.695***
	(0.198)	(0.198)

Sex_HHH	-0.0508** (0.0215)
Age_HHH	-0.0393*** (0.0126)
Education_HHH	-0.0929*** (0.0120)
FBO_residual	-0.0946*** (0.0295)
Plot_size	0.0126 (0.0189)
Labour use	-0.0801 (0.0875)
Contract farming	0.0243 (0.131)
Extension advice	0.0752* (0.0424)
FBO membership status	0.0282 (0.0825)
Credit	0.0235 (0.0862)
Tenure security	0.0377 (0.0782)
Asset index	0.0238 (0.0349)
Dependency ratio	0.0398*** (0.0104)
Above_ave	-0.0597* (0.0324)
Average	-0.0718* (0.0400)
Losess	-0.0186*** (0.00334)
Ethiopia	-0.833***

		(0.125)		
Ghana		1.010***		
		(0.129)		
Kenya		1.780***		
		(0.186)		
Malawi		-0.0317		
		(0.134)		
Nigeria		-0.536***		
		(0.101)		
Tanzania		1.202***		
		(0.143)		
Zambia		1.184***		
		(0.146)		
1.Grainstore		-0.214**		
		(0.0856)		
corr(e.storage_facility,e. Odered_SAPs)			0.169*	
			(0.098)	
var(Odered_SAPs[hhid])			0.438***	
			(0.0910)	
var(Storage_facility[hhid])			0.173	
			(0.136)	
corr(Storage_facility[hhid], Odered_SAPs [hhid])			0.836***	
			(0.236)	
Constant		0.324		
		(0.200)		
Observations	2,548	2,548	2,548	2,548
Number of hhid	1,889	1,889	1,889	1,889

Standard errors in parentheses
*** p<0.01, ** p<0.05, * p<0.1