

Table A1. Attrition

	(1) Cash average	(2) Zap- Cash	(3) Mobile- Cash	(4) Zap- Mobile
	Mean (s.d.)	Coeff (s.e.)	Coeff (s.e.)	Coeff (s.e.)
<i>Panel A: Attrition for December 2010 Survey</i>				
Respondent was absent for follow-up survey	0.06 (0.24)	-0.00 (0.02)	-0.00 (0.02)	-0.00 (0.02)
Household was absent for follow-up survey	0.01 (0.11)	0.01 (0.01)	0.01 (0.01)	0.00 (0.01)
Number of observations		1146		
<i>Panel B: Attrition for May 2011 Survey</i>				
Respondent was absent for follow-up survey	0.07 (0.25)	-0.01 (0.02)	0.00 (0.02)	-0.01 (0.03)
Household was absent for follow-up survey	0.03 (0.17)	-0.00 (0.02)	0.00 (0.01)	-0.01 (0.02)
Number of observations		1135		

Notes: This table presents the simple difference estimates for each of the different treatment areas. Column 1 shows the mean and s.d. of the basic treatment (Cash) households, whereas Columns 2 and 3 show the difference in means between the different treatments and the cash households. Column 4 shows the difference in means for the Zap and Mobile treatments. All regressions control for commune-level fixed effects and the presence of a seed program in the village. Heteroskedasticity-consistent s.e. clustered at the village level are presented in parentheses. *** significant at the 1 percent level, ** significant at the 5 percent level, * significant at the 10 percent level.

Table A2: Impact of the Program on Purchases from Last Cash Transfer

	(1) Cash average Mean (s.d.)	(2) Zap-Cash Coeff(s.e.)	(3) Mobile- Cash Coeff(s.e.)	(4) Zap- Mobile Coeff(s.e.)
Panel A: Uses of Last Cash Transfer for Food Items				
Number of food and non-food items purchased with cash transfer	2.91 (1.93)	0.61*** (0.19)	0.09 (0.17)	0.52*** (0.20)
Transfer used to buy staple grains (millet, sorghum)	0.91 (0.28)	-0.02 (0.02)	0.01 (0.02)	-0.03 (0.02)
Transfer used to buy other grains (corn, rice)	0.37 (0.48)	0.19*** (0.05)	0.02 (0.04)	0.16*** (0.05)
Transfer used to buy cowpea	0.20 (0.40)	0.09* (0.05)	0.04 (0.04)	0.05 (0.04)
Transfer used to buy condiments	0.49 (0.50)	0.09** (0.04)	-0.02 (0.04)	0.10*** (0.04)
Transfer used to buy oil	0.50 (0.50)	0.12** (0.05)	-0.04 (0.04)	0.16*** (0.04)
Transfer used to buy meat	0.18 (0.39)	0.11*** (0.04)	-0.01 (0.03)	0.11*** (0.03)
Panel B: Uses of Last Cash Transfer for Non-Food Items				
Transfer used to pay school fees	0.01 (0.12)	-0.01 (0.01)	0.00 (0.01)	-0.01 (0.01)
Transfer used to pay health expenses	0.17 (0.38)	-0.03 (0.03)	0.00 (0.03)	-0.03 (0.03)
Transfer used to buy clothes	0.03 (0.17)	0.01 (0.02)	0.01 (0.02)	0.00 (0.02)
Observations			1047	

Notes: This table presents a simple difference comparison of households in each of the different treatment areas. Column 1 shows the mean and s.d. of the basic treatment (Cash) households, whereas Columns 2 and 3 show the average difference between the different treatments and the cash households. Column 4 shows the average difference between the Zap and Mobile treatment households. All regressions control for geographic-level fixed effects and for the presence of a seed distribution program in the village.

Heteroskedasticity-consistent s.e. clustered at the village level are presented in parentheses. *** significant at the 1 percent level, ** significant at the 5 percent level, * significant at the 10 percent level.

Table A3: Robustness Checks for Key Outcomes

	(1)	(2)	(3)	(4)
	Cash average	Zap- Cash	Mobile- Cash	Zap- Mobile
	Mean (s.d.)	Coeff (s.e.)	Coeff (s.e.)	Coeff (s.e.)
Panel A: ANCOVA Estimates				
Household diet diversity score	3.17 (1.69)	0.26* (0.14)	-0.25** (0.12)	0.51*** (0.13)
Grains	0.99 (0.10)	0.00 (0.01)	0.00 (0.01)	-0.00 (0.01)
Beans	0.18 (0.39)	0.06** (0.03)	-0.01 (0.03)	0.07** (0.03)
Fats	0.29 (0.45)	0.09** (0.03)	-0.03 (0.03)	0.12*** (0.03)
Meat	0.06 (0.24)	0.02 (0.01)	-0.01 (0.02)	0.03* (0.01)
Condiments	0.36 (0.48)	-0.02 (0.04)	-0.09** (0.03)	0.07* (0.03)
Fruit	0.03 (0.15)	0.02* (0.01)	-0.01 (0.01)	0.03*** (0.01)
Number of asset categories owned (out of 11, excluding mobile phones)	3.05 (1.27)	0.10 (0.09)	-0.18* (0.09)	0.27*** (0.08)
Durable assets	0.18 (0.49)	-0.01 (0.03)	-0.06** (0.03)	0.05 (0.03)
Non-durable assets	1.63 (0.87)	0.09 (0.06)	-0.10 (0.07)	0.19*** (0.06)
Number of observations		2124		
Panel B: December 2010 Round				
Household diet diversity score	3.46 (1.77)	0.27 (0.20)	-0.24 (0.17)	0.51*** (0.19)
Grains	0.99 (0.10)	-0.00 (0.01)	0.00 (0.01)	-0.00 (0.01)
Beans	0.26 (0.44)	0.09** (0.04)	-0.00 (0.04)	0.09** (0.05)
Fats	0.38 (0.49)	0.08* (0.05)	-0.03 (0.04)	0.12*** (0.04)
Meat	0.09 (0.28)	0.03 (0.03)	0.00 (0.03)	0.02 (0.03)
Condiments	0.42 (0.49)	-0.04 (0.05)	-0.11** (0.05)	0.07 (0.04)

Fruit	0.01 (0.10)	0.04*** (0.01)	-0.00 (0.01)	0.04*** (0.01)
Number of asset categories owned	3.03 (1.22)	0.12 (0.12)	-0.16 (0.12)	0.28*** (0.10)
Durable assets	0.16 (0.44)	0.01 (0.05)	-0.04 (0.03)	0.06 (0.04)
Non-durable assets	1.67 (0.87)	0.12 (0.08)	-0.10 (0.08)	0.21*** (0.08)
Number of observations	1114			

Panel C: May 2011 Round

Household diet diversity score	2.87 (1.56)	0.29* (0.16)	-0.22* (0.13)	0.51*** (0.14)
Grains	0.99 (0.10)	0.00 (0.01)	0.01* (0.01)	-0.01* (0.00)
Beans	0.10 (0.30)	0.03 (0.03)	-0.02 (0.02)	0.05** (0.02)
Fats	0.20 (0.40)	0.10*** (0.04)	-0.01 (0.03)	0.11*** (0.03)
Meat	0.04 (0.19)	0.02 (0.01)	-0.01 (0.01)	0.03** (0.01)
Condiments	0.29 (0.46)	0.03 (0.05)	-0.06 (0.04)	0.08* (0.05)
Fruit	0.04 (0.19)	0.01 (0.02)	-0.01 (0.02)	0.02 (0.02)
Number of asset categories owned	3.07 (1.33)	0.12 (0.12)	-0.22* (0.11)	0.34*** (0.11)
Durable assets	0.20 (0.53)	-0.04 (0.04)	0.09*** (0.03)	0.05 (0.04)
Non-durable assets	1.59 (0.86)	0.12 (0.08)	-0.07 (0.08)	0.19** (0.09)
Number of observations	1096			

Notes: This table presents the simple difference estimates for each of the different treatment areas. Column 1 shows the mean and s.d. of the basic treatment (*Cash*) households in the pre-treatment period, whereas Columns 2 and 3 show the difference in means between the different treatments and the *Cash* households. Column 4 shows the difference in means for *Zap* and *Mobile* treatments. All regressions control for commune-level fixed effects and the presence of a seed program in the village. Heteroskedasticity-consistent s.e. clustered at the village level are presented in parentheses. *** significant at the 1 percent level, ** significant at the 5 percent level, * significant at the 10 percent level.

Table A4: Impact on Agricultural Outcomes

	(1)	(2)	(3)	(4)
	Cash	Zap-	Mobile-	Zap-
	average	Cash	Cash	Mobile
	Mean	Coeff	Coeff	Coeff
	(s.d.)	(s.e.)	(s.e.)	(s.e.)
Panel A: Agricultural Production				
Cultivated in past growing season	0.98 (0.15)	0.01 (0.01)	0.01 (0.01)	0.00 (0.01)
Number of crops grown	3.68 (1.63)	0.35* (0.19)	0.16 (0.20)	0.19 (0.21)
Grow staple grains (millet or sorghum)	1.00 (0.05)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)
Grow cowpea	0.90 (0.31)	0.04 (0.03)	-0.02 (0.03)	0.05* (0.03)
Grow vouandzou or gombo	0.35 (0.48)	0.13** (0.05)	0.06 (0.06)	0.07 (0.05)
Quantity cowpea produced (kg)	19.58 (39.47)	1.98 (4.48)	0.14 (3.81)	1.83 (5.98)
Quantity vouandzou and gombo produced	2.12 (7.16)	0.22 (0.65)	0.48 (0.81)	-0.26 (0.83)
Panel B: Agricultural Marketing				
Number of crops sold	0.19 (0.44)	0.05 (0.04)	0.03 (0.04)	0.02 (0.05)
Sell staple grains	0.17 (0.37)	0.03 (0.03)	-0.00 (0.04)	0.04 (0.04)
Sell cowpea	0.00 (0.05)	0.02* (0.01)	0.03** (0.01)	-0.01 (0.02)
Sell vouandzou or gombo	0.00 (0.05)	0.00 (0.01)	0.01 (0.01)	-0.01 (0.01)
Number of observations		1112		

Notes: This table presents the simple difference estimates for each of the different treatment areas. Column 1 shows the mean and s.d. of the basic treatment (*Cash*) households in the pre-treatment period, whereas Columns 2 and 3 show the difference in means between the different treatments and the cash households. Column 4 shows the difference in means for *Zap* and *Mobile* treatments. All regressions control for commune-level fixed effects and the presence of a seed program in the village. Heteroskedasticity-consistent s.e. clustered at the village level are presented in parentheses. *** significant at the 1 percent level, ** significant at the 5 percent level, * significant at the 10 percent level.

Table A5: Inter-Household Sharing

	(1)	(2)	(3)	(4)
	Cash average	Zap- Cash	Mobile- Cash	Zap- Mobile
	Mean (s.d.)	Coeff (s.e.)	Coeff (s.e.)	Coeff (s.e.)
Shared cash transfer	0.17 (0.38)	0.06 (0.04)	0.02 (0.04)	0.04 (0.04)
Shared cash transfer with family within village	0.15 (0.36)	0.06* (0.04)	0.02 (0.04)	0.04 (0.04)
Shared goods from cash transfer	0.59 (0.49)	-0.02 (0.04)	-0.04 (0.04)	0.03 (0.05)
Shared goods with family within village	0.54 (0.50)	-0.03 (0.04)	-0.03 (0.04)	(0.00) (0.04)
Number of observations			1030	

Notes: This table presents the simple difference estimates for each of the different treatment areas. Column 1 shows the mean and s.d. of the basic treatment (Cash) households, whereas Columns 2 and 3 show the difference in means between the different treatments and the cash households. Column 4 shows the difference in means for the Zap and Mobile treatments. All regressions control for commune-level fixed effects and the presence of a seed program in the village. Heteroskedasticity-consistent s.e. clustered at the village level are presented in parentheses. *** significant at the 1 percent level, ** significant at the 5 percent level, * significant at the 10 percent level.