Annex XVIII: Summary results of quantitative case study

The table below provides a summary of the regression results in chapter 4. The column to the left specifies the category of the variables and the second column the regression method. For every variable, both equation 1 and 2 were estimated. The column to the right reports the number of indicators that were estimated with the impact regressions. For example, we estimated 3 methods * 2 equations * 22 indicators = 132 regressions for the adoption of ISFM techniques. Only the significant coefficients are displayed in the table, together with the usual stars to indicate the level of significance (* p<0.1, ** p<0.05, *** p<0.01). So, empty cells mean that we did not find significant coefficients using those specifications.

Category		Variable	Equation 1	Equation 2		Number of estimated output/outcome indicators
			Generic treatment	Non-IBAKWE treatment	IBAKWE treatment	
Adoption ISFM techniques	DD	Chem.Fert.Cas.	0.042**	0.046*		12 (22 incl varieties)
		Imp.Seeds.Cas.	0.137***	0.141*		
		ISFM index				
	DD matched controls	Chem.Fert.Cas.				
		Imp.Seeds.Cas.	0.120*			
		ISFM index				
	FE	Chem.Fert.Cas.	0.042**	0.043**		
		Imp.Seeds.Cas.	0.111**	0.105*		
		ISFM index			0.345*	
Cassava production	DD	Grows Cas.	0.103***	0.096**		8
		Cas.LandUsed				
		Cas.Harvest				
		Sold Crop				
		Perc.Cas.Sold				
		Grows Cas.	0.119***	0.09*		
		Cas.LandUsed	0.063*			

Category		Variable	Equation 1	Equation 2		Number of estimated output/outcome indicators
			Generic treatment	Non-IBAKWE treatment	IBAKWE treatment	
	DD matched controls	Cas.Harvest				
		Sold Crop				
		Perc.Cas.Sold				
	FE	Grows Cas.	0.108***	0.099***	0.151*	
		Cas.LandUsed				
		Cas.Harvest				
		Sold Crop				
		Perc.Cas.Sold				
Cassava yield	DD	Yield				
	DD matched controls	Yield				6
	FE	Yield				
Other crop yields	DD	Beans yield				
		Sorghum yield				
		Maize yield				
		Soybeans yield				
	DD matched controls	Beans yield				6
		Sorghum yield				
		Maize yield				
		Soybeans yield				
	FE	Beans yield				
		Sorghum yield				

Category		Variable	Equation 1	Equation 2		Number of estimated output/outcome indicators
			Generic treatment	Non-IBAKWE treatment	IBAKWE treatment	
		Maize yield				
		Soybeans yield			-0.406*	
Value chain	DD	Mean Pr.Cas.				
		Cas.Prod.Value			-20.013*	
		CropProd.Value				
	DD matched controls	Mean Pr.Cas.				7
		Cas.Prod.Value				
		CropProd.Value				
	FE	Mean Pr.Cas.				
		Cas.Prod.Value			-21.5*	
		CropProd.Value				
Income	DD	Total Income				
		Net Farm Inc.				
		Other income		0.038*		
		Net Profit p.ha.				
		Asset index				
		Hired labour				11
	DD matched controls	Total Income			-0.182*	
		Net Farm Inc.				
		Other income		0.047*		
		Net Profit p.ha.				
		Asset index				

Category		Variable	Equation 1	Equation 2		Number of estimated output/outcome indicators
			Generic treatment	Non-IBAKWE treatment	IBAKWE treatment	
		Hired labour			-0.214**	
	FE	Total Income				
		Net Farm Inc.				
		Other income		0.041*		
		Net Profit p.ha.				
		Asset index				
		Hired labour				
Food security	DD	FoodCons.p.Adult				
		FoodCons.Sc.				
		CopingStr.Ind.				
		MonthsNotSuf.				
		Nr.MealsChild	0.458**	0.485**		
		WastedChild				
		Female Underweight				
	DD matched controls	FoodCons.p.Adult				26
		FoodCons.Sc.				
		CopingStr.Ind.				
		MonthsNotSuf.				
		Nr.MealsChild				
		WastedChild				
		Female Underweight				
	FE	FoodCons.p.Adult				

Category		Variable	Equation 1	Equation 2		Number of estimated output/outcome indicators
			Generic treatment	Non-IBAKWE treatment	IBAKWE treatment	
		FoodCons.Sc.				
		CopingStr.Ind.				
		MonthsNotSuf.				
		Nr.MealsChild	0.395*	0.420*		
		WastedChild				
		Female Underweight				
Nutrition	DD	Proteine	0.049**		0.093***	14
		Vit.B6	0.055**	0.055**	0.060*	
		Vit.C	0.041**	0.046**		
	DD matched controls	Proteine		0.065**	0.107**	
		Vit.B6	0.047*	0.065**		
		Vit.C				
	FE	Proteine	0.057**	0.047*	0.103***	
		Vit.B6	0.062**	0.061**	0.064**	
		Vit.C	0.041*	0.046*		