Innovation	Date	Localisation			Details innovation implemented														Type of innovation			Step in value chain				Scale of implementation			Stakeholders involved																					Projects involved								Organisations involved							
																												Begining					Currently					Future																									
		Province	District	Village	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	Technical	Organizational	Institutional	Funding/supplying	Production	Processing	Marketing	Beginning	Currently	Future	Farmers	Traders	Governement	Researchers	Others	Farmers	Traders	Governement	Researchs	Others	Farmers	Traders	Governemt	Research	Others	Name	Date (start/end)	1	2	3	4	5	6	7	Name	Date (start/end)	1	2	3	4	5	6	7
1. grass microbial fermentation	2011-Present	Vientiane capital	Xaithany	PakSarpMai (FOA)				yes								yes	yes			yes				yes	yes																				Livestock project	2008-2015		yes				yes											
																																															JIRCAS																		
																																															UDRU-Thailand	2008-Present		yes															
2. Supplementary mineral chunk food (ก้อนอาหารแร่เสริม)	2015-Present	Vientiane capital	Xaithany	PakSarpMai (FOA)				yes								yes	yes			yes				yes																				UDRU-Thailand	2015-Present		yes				yes											
																																															SNU-Korea	2018-Present						yes											
3. Fermented food supplement For cattle	2016-Present	Vientiane capital	Xaithany	PakSarpMai (FOA)				yes								yes	yes			yes				yes																				UDRU-Thailand	2016-Present		yes				yes											
4. Full fermented food supplement For cattle	2017-Present	Vientiane capital	Xaithany	PakSarpMai (FOA)				yes								yes	yes			yes				yes																				UDRU-Thailand	2017-Present		yes				yes											
5.NaBong cattle production system	2004-Present	Vientiane capital	Xaithany	PakSarpMai (FOA)		yes										yes	yes			yes				yes																				NUFU-Norway	2004-2012						yes											
																																															JIRCAS-Japan	2004-2015	yes					yes											
																																															KKU-Thailand	2004-2008	yes					yes											
																																															UDRU-Thailand	2004-Present	yes					yes											
																																															SNU-Korea	2018-Present						yes											
6. Water food supplements microbial for growth	2015	Vientiane capital	Xaithany	PakSarpMai (FOA)												yes	yes			yes				yes	yes	yes		4	4	4				yes				yes		yes	yes		yes																						
7. Organic microorganisms to prevent insects	2015	Vientiane capital	Xaithany	PakSarpMai (FOA)												yes	yes			yes				yes	yes	yes		4	4	4				yes				yes		yes	yes		yes																						
8. Organic microorganisms to prevent plant diseases	2015	Vientiane capital	Xaithany	PakSarpMai (FOA)												yes	yes			yes				yes	yes	yes		4	4	4				yes				yes		yes	yes		yes																						
9. Earthworm powdered fertilizers	2019-2020	Vientiane capital	Xaithany	PakSarpMai (FOA)												yes	yes			yes				yes	yes	yes		4	4	4				yes				yes		yes	yes		yes																						
10. Earthworm liquid fertilizers	2019-2020	Vientiane capital	Xaithany	PakSarpMai (FOA)												yes	yes			yes				yes	yes	yes		4	4	4				yes				yes		yes	yes		yes																						
11. Photosynthetic microorganisms for cultivation supplement	2019-2020	Vientiane capital	Xaithany	PakSarpMai (FOA)												yes	yes			yes				yes	yes	yes		4	4	4				yes				yes		yes	yes		yes																						
12. Honey dew melon variety and Lao-Korean hybrid, FoA	2019-2020	Vientiane capital	Xaithany	PakSarpMai (FOA)												yes	yes			yes				yes	yes	yes		4	4	4				yes				yes		yes	yes		yes																						
13. ThungXao mushroom for healthy, FoA	2019-2020	Vientiane capital	Xaithany	PakSarpMai (FOA)												yes	yes			yes				yes	yes	yes		4	4	4				yes				yes		yes	yes		yes																						

Note: Detail innovation implemented number code

Pick in the list below.

1) Credit access
2) Collective management of the production
3) Irrigation
4) Inputs
5) Pest control
6) Forestry
7) Farming practices
8) Breeding
9) Agricultural Advice
10) Information system
11) Post cropping operations
12) Processing
13) Quality promotion
14) Agricultural entrepreneurship
15) Territorial governance
16) Others

Note: the Number code are Scale of implementation

1 Village
2 District
3 Province
4 Country

Note: the Number code are Functions provided

1 Awareness and exchange of knowladge
2 Advisory, consultancy and backstopping
3 Demand articulation
4 Network, facilitation, and brokerage
5 Capacity building
6 Access to resources
7 Institutional support