

KINGDOM OF CAMBODIA
NATION RELIGION KING



MINISTRY OF AGRICULTURE, FORESTRY AND FISHERIES
(MAFF)

Beneficiary Profile Report

Krola Poy commune,

O Chum district, Rattankiri province

**LAND ALLOCATION FOR SOCIAL AND ECONOMIC
DEVELOPMENT PROJECT III (LASED III)**

PROJECT IP: P171331

November, 2022

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I. Introduction

1. LASED III is being implemented based on the experience of LASED I and LASED II projects. This project aims to provide access to land tenure security, agricultural and social services, and selected infrastructure to small farmers and communities in the project areas. Two ministries of Royal Cambodian Government, Ministry of Land Management Urban Planning and Construction (MLMUPC) and Ministry of Agriculture Forestry and Fisheries (MAFF) have been assigned as the Executive and Implementing Agencies of the project.
2. Within their framework, the project would support: (i) about 15 ICs to carry out their respective ICLT processes; (ii) about 30 ICs, that have completed their titling processes, with development activities; (iii) about 12 SLC new sites in both currently covered and new provinces for land allocation and development activities; and (iv) the current 14 SLC sites currently covered by LASED II with limited, discrete and complementary activities such as small-scale irrigation and agriculture access tracks across SLC sites. However, it is not likely that all the estimated 57 new sites and communities would be identified and fully delineated, and all potentially required reclassification and/or reallocation completed before the start of the project.
3. LASED III/ MAFF project conduct the beneficiary assessment in every IC of 33 ICs of the project, in order to collect their basic or baseline information on crop and animal production, whether, soil fertility, status of economic income generation of household, relation of community and provide sector, agriculture farming contract which are quite useful for the community development as well as to protect the Environmental and Social risk of communities. Base on the baseline information, the project, especially MAFF team under the collaboration with other concerned could design significantly a road map of agricultural development of these ICs. It also enables to contribute good information in Commune Investment Plan of the commune (CIP) and District integration Work Shop to develop the communities, as through beneficiary profile the project or other concerned parties could aware the strength and weakness and what or from where it should be started to develop the communities successfully.

II. Methodology of Beneficiary Profile

4. Performance of beneficiary profile comes through three interlinked phases: 1) Meeting among the concerned project to discuss on the objective of profile; 2) Development of an assessment framework and corresponding data/information collection tools; 3) Field work at the 12 specific IC villages; and 4) Analysis of data collected and report writing and consultation with stakeholders at the national level to validate the findings and recommendations of the assessment report is also compiled.
5. The field work was conducted in Krola village from 25 to 29 July 2022. By that time, the team was able to make interviewed as well as to discuss with 141 HHs (F 62) and the team enabled to record some information for compiling a beneficiary profile included some specific result and discussion as detailed below.
6. By the ways, during the interview with the households, the project team took two different ways of interviews, 1) individual and 2) group interviews, in order to make every interviewee to be isolated without disturbing from another people or to ensure they are free at talking.

III. Result and Discussion

3.1 General

7. Krola is a village locates in Poy commune, O Chum district, Rattanakiri province, standing at North East side, about 60 Km from Rattanakiri town. The majority of citizen of this village are Kreng Indigenous people (IP). The field work was conducted in this village from 22 to 29 July 2022, and during this field, the project staffs (interviewer) had chance to host meaningful discussion with 77 IPs (F40) in order to collect or gathering some main data or information for compilation of its beneficiary profile. The majority of IPs of this village have grown some types of crops such as cashew, cassava and rice crops as well as raising ruminant, pig and chicken.

3.2 Crop Productions

3.2.1 Cashew production

8. According to the interview in Kang Krola village, the project team recorded 111 HHs (F46) out of 141HHs growing cashew in 172.55ha of land, which offers 1,470 kg of average yield per ha. This yield is almost two times lower than average national calculated yield is 1,174 Kg per ha (GDA 2022). However, the cashew planters of this village could sell a kilogram of cashew seed for 3000 to 4000 riels. Please see the list of households who grow cashew in Table 1 below.

Table1: List of HHs who grow cashew:

No	Name	Sex	Age	Minority	Village	Commune	District	Province	Size of Lan (Ha)	Yield (T/ha)
1	Pring Sany	F	25	Kreng	Krola	Poy	O Chum	Rattanakiri	1.00	0.50
2	Chea Sa Tann	F	45	Kreng	Krola	Poy	O Chum	Rattanakiri	2.00	1.00
3	Ghok Ha Yeav	F	30	Kreng	Krola	Poy	O Chum	Rattanakiri	1.50	1.50
4	Plov Tak	F	24	Kreng	Krola	Poy	O Chum	Rattanakiri	3.00	1.50
5	Chling Pai	F	61	Kreng	Krola	Poy	O Chum	Rattanakiri	1.00	5.00
6	Royas No	F	57	Kreng	Krola	Poy	O Chum	Rattanakiri	3.00	0.75
7	Lon Loeun	F	25	Kreng	Krola	Poy	O Chum	Rattanakiri	1.00	0.20
8	Tae Khon	F	65	Kreng	Krola	Poy	O Chum	Rattanakiri	1.00	
9	Ga Plon	F	35	Kreng	Krola	Poy	O Chum	Rattanakiri	2.00	1.00
10	Gnok Ha Yeay	F	30	Kreng	Krola	Poy	O Chum	Rattanakiri	1.50	1.50
11	Lom Bak Pok	F	22	Kreng	Krola	Poy	O Chum	Rattanakiri	3.50	3.50
12	Lib Sok An	M	21	Kreng	Krola	Poy	O Chum	Rattanakiri	0.50	-
13	Set Yom	M	31	Kreng	Krola	Poy	O Chum	Rattanakiri	2.00	1.50
14	Kloen Kavout	M	38	Kreng	Krola	Poy	O Chum	Rattanakiri	1.50	0.50
15	Ra Teav Ioun	M	30	Kreng	Krola	Poy	O Chum	Rattanakiri	0.50	-
16	Ka Bel Lam Pon	M	22	Kreng	Krola	Poy	O Chum	Rattanakiri	0.50	0.50

No	Name	Sex	Age	Minority	Village	Commune	District	Province	Size of Lan (Ha)	Yield (T/ha)
17	Koe Thea	M	38	Kreng	Krola	Poy	O Chum	Rattanakiri	1.50	1.00
18	Deung Kaphon	M	25	Kreng	Krola	Poy	O Chum	Rattanakiri	0.50	0.50
19	Neut Ka Nat	F	45	Kreng	Krola	Poy	O Chum	Rattanakiri	1.50	1.50
20	Tan Khang Kean	M	35	Kreng	Krola	Poy	O Chum	Rattanakiri	2.00	2.00
21	Yang Chry	M	60	Kreng	Krola	Poy	O Chum	Rattanakiri	1.50	1.50
22	Ton Thol	F	29	Kreng	Krola	Poy	O Chum	Rattanakiri	0.50	0.50
23	Ruy Near	M	30	Kreng	Krola	Poy	O Chum	Rattanakiri	1.00	1.00
24	Sakal Pro Kang	M	60	Kreng	Krola	Poy	O Chum	Rattanakiri	1.00	1.00
25	Ka Mang Poeun	M	28	Kreng	Krola	Poy	O Chum	Rattanakiri	0.50	0.50
26	An Tav Yen	M	24	Kreng	Krola	Poy	O Chum	Rattanakiri	0.50	0.50
27	Leuk Gneb	M	38	Kreng	Krola	Poy	O Chum	Rattanakiri	1.50	1.00
28	Soun Chanthoeun	M	23	Kreng	Krola	Poy	O Chum	Rattanakiri	1.50	1.50
29	Nou Sokun	M	23	Kreng	Krola	Poy	O Chum	Rattanakiri	1.00	-
30	Va Chan Nou	M	53	Kreng	Krola	Poy	O Chum	Rattanakiri	2.00	2.00
31	Youch Aing	M	70	Kreng	Krola	Poy	O Chum	Rattanakiri	1.00	1.00
32	Phon Vaet	M	22	Kreng	Krola	Poy	O Chum	Rattanakiri	0.50	0.50
33	Van Pha Laen	M	44	Kreng	Krola	Poy	O Chum	Rattanakiri	2.00	2.00
34	Ven Vong	M	27	Kreng	Krola	Poy	O Chum	Rattanakiri	1.00	1.00
35	Lam Mwi Rab Chea	M	30	Kreng	Krola	Poy	O Chum	Rattanakiri	1.00	1.00
36	Yann La Nith	M	55	Kreng	Krola	Poy	O Chum	Rattanakiri	2.00	2.50
37	Ban That	M	60	Kreng	Krola	Poy	O Chum	Rattanakiri	0.50	0.50
38	Yaet Bei	M	27	Kreng	Krola	Poy	O Chum	Rattanakiri	1.50	2.00
39	Char Phou Krotchem	M	60	Kreng	Krola	Poy	O Chum	Rattanakiri	1.50	1.50
40	Kan Chrang Kless	M	60	Kreng	Krola	Poy	O Chum	Rattanakiri	1.00	1.00
41	Kaeng A yong	M	40	Kreng	Krola	Poy	O Chum	Rattanakiri	0.50	0.50
42	Sruch Hel	F	24	Kreng	Krola	Poy	O Chum	Rattanakiri	0.50	1.00
43	Kro Cheup Pring	M	27	Kreng	Krola	Poy	O Chum	Rattanakiri	1.00	1.50
44	Srouch Peng	F	38	Kreng	Krola	Poy	O Chum	Rattanakiri	1.00	1.00

No	Name	Sex	Age	Minority	Village	Commune	District	Province	Size of Lan (Ha)	Yield (T/ha)
45	Leb Choeun	M	25	Kreng	Krola	Poy	O Chum	Rattanakiri	1.00	
46	Veat Koev	M	30	Kreng	Krola	Poy	O Chum	Rattanakiri	1.50	2.00
47	Ny Santiv	M	30	Kreng	Krola	Poy	O Chum	Rattanakiri	1.00	1.00
48	Ka Bel Savann	F	52	Kreng	Krola	Poy	O Chum	Rattanakiri	2.00	2.50
49	Hem Luk	M	25	Kreng	Krola	Poy	O Chum	Rattanakiri	1.50	1.50
50	Bou Nun Thy	M	31	Kreng	Krola	Poy	O Chum	Rattanakiri	1.00	1.00
51	Koev Sapi	M	20	Kreng	Krola	Poy	O Chum	Rattanakiri	1.00	1.00
52	Paeng Pha	M	32	Kreng	Krola	Poy	O Chum	Rattanakiri	1.50	1.50
53	Kar Bun Noeun	M	22	Kreng	Krola	Poy	O Chum	Rattanakiri	1.50	0.30
54	Ly Sam Oeun	M	43	Kreng	Krola	Poy	O Chum	Rattanakiri	3.00	1.50
55	Ky Krobem	F	54	Kreng	Krola	Poy	O Chum	Rattanakiri	0.50	-
56	Pay Sokha	M	35	Kreng	Krola	Poy	O Chum	Rattanakiri	0.50	0.80
57	Chaing Pha	F	40	Kreng	Krola	Poy	O Chum	Rattanakiri	2.00	2.00
58	Ngong A chi	M	20	Kreng	Krola	Poy	O Chum	Rattanakiri	1.00	-
59	Kving Taverng	M	27	Kreng	Krola	Poy	O Chum	Rattanakiri	2.00	0.50
60	Kless	F	31	Kreng	Krola	Poy	O Chum	Rattanakiri	1.00	-
61	Ka Vel Ok	F	39	Kreng	Krola	Poy	O Chum	Rattanakiri	0.50	-
62	Pring Preut	F	47	Kreng	Krola	Poy	O Chum	Rattanakiri	2.00	-
63	Mang Mearea	F	30	Kreng	Krola	Poy	O Chum	Rattanakiri	1.00	-
64	Chen Maet	F	43	Kreng	Krola	Poy	O Chum	Rattanakiri	3.00	2.00
65	Sa Phou Ko naem	M	80	Kreng	Krola	Poy	O Chum	Rattanakiri	3.00	1.50
66	Huch Pheu Thea	M	80	Kreng	Krola	Poy	O Chum	Rattanakiri	2.00	1.00
67	Lam Bu Ky	M	75	Kreng	Krola	Poy	O Chum	Rattanakiri	3.00	2.50
68	Ron Veang	M	27	Kreng	Krola	Poy	O Chum	Rattanakiri	0.50	-
69	Yoeung Sokhunthea	M	33	Kreng	Krola	Poy	O Chum	Rattanakiri	1.20	-
70	Moa Na Merk	F	34	Kreng	Krola	Poy	O Chum	Rattanakiri	3.00	4.50
71	Thong Doung Pi	F	28	Kreng	Krola	Poy	O Chum	Rattanakiri	3.00	1.20
72	Kan Tark	M	27	Kreng	Krola	Poy	O Chum	Rattanakiri	1.00	0.50

No	Name	Sex	Age	Minority	Village	Commune	District	Province	Size of Lan (Ha)	Yield (T/ha)
73	Yem Srei Pi	F	19	Kreng	Krola	Poy	O Chum	Rattanakiri	1.00	0.50
74	Cheu Nay Dam	F	17	Kreng	Krola	Poy	O Chum	Rattanakiri	3.00	1.60
75	MoeuKa Plim	F	27	Kreng	Krola	Poy	O Chum	Rattanakiri	3.00	1.00
76	Ka Vel Oul	F	80	Kreng	Krola	Poy	O Chum	Rattanakiri	2.00	1.30
77	Van Lida	F	40	Kreng	Krola	Poy	O Chum	Rattanakiri	3.00	2.00
78	Top Ta Nark	F	41	Kreng	Krola	Poy	O Chum	Rattanakiri	1.00	0.20
79	Pleang Hear	F	23	Kreng	Krola	Poy	O Chum	Rattanakiri	1.00	40.00
80	Prorm Ket	F	25	Kreng	Krola	Poy	O Chum	Rattanakiri	1.00	-
81	Leb Doeun	F	25	Kreng	Krola	Poy	O Chum	Rattanakiri	1.00	-
82	Ka Hong Trout	F	40	Kreng	Krola	Poy	O Chum	Rattanakiri	2.00	1.50
83	Praing Neut	F	25	Kreng	Krola	Poy	O Chum	Rattanakiri	1.00	-
84	Kro Beu Kha	F	30	Kreng	Krola	Poy	O Chum	Rattanakiri	3.00	0.20
85	Khon Sy Ho	M	44	Kreng	Krola	Poy	O Chum	Rattanakiri	1.00	0.50
86	La Pin Tea	F	24	Kreng	Krola	Poy	O Chum	Rattanakiri	2.00	-
87	Sreng Kreung	F	37	Kreng	Krola	Poy	O Chum	Rattanakiri	2.00	1.50
88	Krola En	F	38	Kreng	Krola	Poy	O Chum	Rattanakiri	0.50	0.30
89	Kal Kong	F	41	Kreng	Krola	Poy	O Chum	Rattanakiri	3.00	3.50
90	Reth Srei Neang	F	32	Kreng	Krola	Poy	O Chum	Rattanakiri	0.40	0.20
91	Say Preah	F	40	Kreng	Krola	Poy	O Chum	Rattanakiri	1.00	0.60
92	Kong Tha Mae	M	33	Kreng	Krola	Poy	O Chum	Rattanakiri	1.50	0.70
93	Prou Ta Paen	M	36	Kreng	Krola	Poy	O Chum	Rattanakiri	3.00	1.00
94	Lerk So pherk	M	31	Kreng	Krola	Poy	O Chum	Rattanakiri	0.75	0.20
95	Pray Sor	M	57	Kreng	Krola	Poy	O Chum	Rattanakiri	3.00	2.50
96	Yen Lous	F	30	Kreng	Krola	Poy	O Chum	Rattanakiri	2.00	1.50
97	Hal Gnet	F	69	Kreng	Krola	Poy	O Chum	Rattanakiri	3.00	-
98	Han Chan Ka Pit	M	59	Kreng	Krola	Poy	O Chum	Rattanakiri	2.50	-
99	Kaver Lim	M	28	Kreng	Krola	Poy	O Chum	Rattanakiri	1.00	-
100	Gnok Bunch	M	21	Kreng	Krola	Poy	O Chum	Rattanakiri	1.00	-

No	Name	Sex	Age	Minority	Village	Commune	District	Province	Size of Lan (Ha)	Yield (T/ha)
101	Noeuk Nut	F	29	Kreng	Krola	Poy	O Chum	Rattanakiri	2.00	1.50
102	Sy Kri	M	21	Kreng	Krola	Poy	O Chum	Rattanakiri	1.00	-
103	Preas nea	M	24	Kreng	Krola	Poy	O Chum	Rattanakiri	1.00	-
104	Gom Va Ver	M	25	Kreng	Krola	Poy	O Chum	Rattanakiri	3.00	1.50
105	Yeun Pon	M	54	Kreng	Krola	Poy	O Chum	Rattanakiri	2.50	3.00
106	Houn Thoung	M	30	Kreng	Krola	Poy	O Chum	Rattanakiri	2.50	-
107	Mon Sa Oeun	M	33	Kreng	Krola	Poy	O Chum	Rattanakiri	2.00	3.00
108	Nel Raing On	M	28	Kreng	Krola	Poy	O Chum	Rattanakiri	2.00	0.50
109	Yorn Rat	M	23	Kreng	Krola	Poy	O Chum	Rattanakiri	1.00	-
110	Bong Van Gneung	M	49	Kreng	Krola	Poy	O Chum	Rattanakiri	1.70	2.00
111	Tchet Tanat	M	45	Kreng	Krola	Poy	O Chum	Rattanakiri	2.00	1.50

3.2.2 Cassava production

9. On the other hand, there are 113 HHs (F39) out of 141 HHs of this village growing cassava on 89.70 ha of land, which offers 0.73 tones as the average yield per ha of land. This amount of cassava average yield of this village is extremely lower than average national calculated yield is 20,350 kg per ha (GDA 2022). However, the price of fresh cassava of this village is changeable from 750 to 850 riel per kilogram of cassava (Table2).

Table 2 Numbers of HHs who grow cassava

No	Name	Sex	Age	Minority	Village	Commune	District	Province	Size of Lan (Ha)	Yield (T/ha)
1	Kadok Keat	F	37	Kreng	Krola	Poy	O Chum	Rattanakiri	1.50	5.00
2	Pring Sany	F	25	Kreng	Krola	Poy	O Chum	Rattanakiri	1.50	5.00
3	Plov Tak	F	24	Kreng	Krola	Poy	O Chum	Rattanakiri	0.30	0.90
4	Chling Pai	F	61	Kreng	Krola	Poy	O Chum	Rattanakiri	0.50	-
5	Ga Plon	F	35	Kreng	Krola	Poy	O Chum	Rattanakiri	2.00	4.00
6	Lom Bak Pok	F	22	Kreng	Krola	Poy	O Chum	Rattanakiri	1.50	1.00
7	Pas Tal	M	60	Kreng	Krola	Poy	O Chum	Rattanakiri	5.00	2.00
8	Lib Sok An	M	21	Kreng	Krola	Poy	O Chum	Rattanakiri	0.50	0.50
9	Set Yom	M	31	Kreng	Krola	Poy	O Chum	Rattanakiri	1.50	1.00

No	Name	Sex	Age	Minority	Village	Commune	District	Province	Size of Lan (Ha)	Yield (T/ha)
10	Ra Teav Ioun	M	30	Kreng	Krola	Poy	O Chum	Rattanakiri	0.20	0.20
11	Ka Bel Lam Pon	M	22	Kreng	Krola	Poy	O Chum	Rattanakiri	0.50	0.50
12	Koe Thea	M	38	Kreng	Krola	Poy	O Chum	Rattanakiri	2.00	1.50
13	Deung Kaphon	M	25	Kreng	Krola	Poy	O Chum	Rattanakiri	0.50	0.50
14	Neut Ka Nat	F	45	Kreng	Krola	Poy	O Chum	Rattanakiri	0.50	0.50
15	Tan Khang Kean	M	35	Kreng	Krola	Poy	O Chum	Rattanakiri	0.50	0.50
16	Yang Chry	M	60	Kreng	Krola	Poy	O Chum	Rattanakiri	1.00	1.00
17	Ton Thol	F	29	Kreng	Krola	Poy	O Chum	Rattanakiri	1.50	2.00
18	Ruy Near	M	30	Kreng	Krola	Poy	O Chum	Rattanakiri	0.50	0.50
19	Sakal Pro Kang	M	60	Kreng	Krola	Poy	O Chum	Rattanakiri	1.00	1.00
20	Ka Mang Poeun	M	28	Kreng	Krola	Poy	O Chum	Rattanakiri	0.50	0.50
21	An Tav Yen	M	24	Kreng	Krola	Poy	O Chum	Rattanakiri	0.50	0.50
22	Leuk Gneb	M	38	Kreng	Krola	Poy	O Chum	Rattanakiri	0.50	0.40
23	Soun Chanthoeun	M	23	Kreng	Krola	Poy	O Chum	Rattanakiri	0.50	0.50
24	Nou Sokun	M	23	Kreng	Krola	Poy	O Chum	Rattanakiri	1.00	1.50
25	Va Chan Nou	M	53	Kreng	Krola	Poy	O Chum	Rattanakiri	2.50	2.50
26	Youch Aing	M	70	Kreng	Krola	Poy	O Chum	Rattanakiri	1.50	1.50
27	Phon Vaet	M	22	Kreng	Krola	Poy	O Chum	Rattanakiri	0.50	0.50
28	Van Pha Laen	M	44	Kreng	Krola	Poy	O Chum	Rattanakiri	1.00	1.00
29	Ven Vong	M	27	Kreng	Krola	Poy	O Chum	Rattanakiri	2.00	3.50
30	Lam Mwi Rab Chea	M	30	Kreng	Krola	Poy	O Chum	Rattanakiri	1.50	1.50
31	Yann La Nith	M	55	Kreng	Krola	Poy	O Chum	Rattanakiri	1.50	1.50
32	Ban That	M	60	Kreng	Krola	Poy	O Chum	Rattanakiri	1.00	1.00
33	Yaet Bei	M	27	Kreng	Krola	Poy	O Chum	Rattanakiri	0.50	0.50
34	Char Phou Krotchem	M	60	Kreng	Krola	Poy	O Chum	Rattanakiri	2.00	2.00
35	Kan Chrang Kless	M	60	Kreng	Krola	Poy	O Chum	Rattanakiri	0.50	0.70
36	Kaeng A yong	M	40	Kreng	Krola	Poy	O Chum	Rattanakiri	1.00	1.50
37	Sruch Hel	F	24	Kreng	Krola	Poy	O Chum	Rattanakiri	1.50	2.00
38	Kro Cheup Pring	M	27	Kreng	Krola	Poy	O Chum	Rattanakiri	2.00	2.50

No	Name	Sex	Age	Minority	Village	Commune	District	Province	Size of Lan (Ha)	Yield (T/ha)
39	Ta Play Tana	M	50	Kreng	Krola	Poy	O Chum	Rattanakiri	1.20	-
40	Srouch Peng	F	38	Kreng	Krola	Poy	O Chum	Rattanakiri	1.50	1.50
41	Leb Choewn	M	25	Kreng	Krola	Poy	O Chum	Rattanakiri	2.00	-
42	Veat Koev	M	30	Kreng	Krola	Poy	O Chum	Rattanakiri	1.50	1.50
43	Ny Santiv	M	30	Kreng	Krola	Poy	O Chum	Rattanakiri	1.50	1.50
44	Ka Bel Savann	F	52	Kreng	Krola	Poy	O Chum	Rattanakiri	0.50	0.50
45	Hem Luk	M	25	Kreng	Krola	Poy	O Chum	Rattanakiri	1.50	2.50
46	Bou Nun Thy	M	31	Kreng	Krola	Poy	O Chum	Rattanakiri	0.50	1.00
47	Pahah Pha	M	45	Kreng	Krola	Poy	O Chum	Rattanakiri	0.50	-
48	Kar Bun Noeun	M	22	Kreng	Krola	Poy	O Chum	Rattanakiri	0.50	-
49	Ly Sam Oeun	M	43	Kreng	Krola	Poy	O Chum	Rattanakiri	2.00	-
50	Ky Krobem	F	54	Kreng	Krola	Poy	O Chum	Rattanakiri	0.50	1.00
51	Pay Sokha	M	35	Kreng	Krola	Poy	O Chum	Rattanakiri	1.50	1.50
52	Chaing Pha	F	40	Kreng	Krola	Poy	O Chum	Rattanakiri	0.50	0.70
53	Ngong A chi	M	20	Kreng	Krola	Poy	O Chum	Rattanakiri	0.50	0.80
54	Kving Taverng	M	27	Kreng	Krola	Poy	O Chum	Rattanakiri	2.00	-
55	Ha Tang	F	76	Kreng	Krola	Poy	O Chum	Rattanakiri	1.00	2.00
56	Ra Bang	F	39	Kreng	Krola	Poy	O Chum	Rattanakiri	1.00	-
57	Mang Mearea	F	30	Kreng	Krola	Poy	O Chum	Rattanakiri	0.50	-
58	Keum Ya	F	20	Kreng	Krola	Poy	O Chum	Rattanakiri	0.50	-
59	Sa Phou Ko naem	M	80	Kreng	Krola	Poy	O Chum	Rattanakiri	4.00	-
60	Huch Pheu Thea	M	80	Kreng	Krola	Poy	O Chum	Rattanakiri	4.00	-
61	Lam Bu Ky	M	75	Kreng	Krola	Poy	O Chum	Rattanakiri	2.00	-
62	Ron Veang	M	27	Kreng	Krola	Poy	O Chum	Rattanakiri	1.00	-
63	Ay Yea Takan	F	48	Kreng	Krola	Poy	O Chum	Rattanakiri	0.50	-
64	Yoeung Sokhunthea	M	33	Kreng	Krola	Poy	O Chum	Rattanakiri	1.00	-
65	Sren Seth	M	27	Kreng	Krola	Poy	O Chum	Rattanakiri	0.50	-
66	Moa Na Merk	F	34	Kreng	Krola	Poy	O Chum	Rattanakiri	1.50	-
67	Thong Doung Pi	F	28	Kreng	Krola	Poy	O Chum	Rattanakiri	0.50	-

No	Name	Sex	Age	Minority	Village	Commune	District	Province	Size of Lan (Ha)	Yield (T/ha)
68	Kan Tark	M	27	Kreng	Krola	Poy	O Chum	Rattanakiri	1.00	-
69	Yem Srei Pi	F	19	Kreng	Krola	Poy	O Chum	Rattanakiri	0.50	-
70	Cheu Nay Dam	F	17	Kreng	Krola	Poy	O Chum	Rattanakiri	1.50	1.50
71	MoeuKa Plim	F	27	Kreng	Krola	Poy	O Chum	Rattanakiri	1.00	2.00
72	Van Lida	F	40	Kreng	Krola	Poy	O Chum	Rattanakiri	1.00	1.50
73	Prorm Ket	F	25	Kreng	Krola	Poy	O Chum	Rattanakiri	2.00	-
74	Leb Doeun	F	25	Kreng	Krola	Poy	O Chum	Rattanakiri	0.50	-
75	Ka Hong Trout	F	40	Kreng	Krola	Poy	O Chum	Rattanakiri	2.50	-
76	Praing Neut	F	25	Kreng	Krola	Poy	O Chum	Rattanakiri	2.00	-
77	Kro Beu Kha	F	30	Kreng	Krola	Poy	O Chum	Rattanakiri	2.00	-
78	Deung Oeun	M	31	Kreng	Krola	Poy	O Chum	Rattanakiri	2.00	-
79	Khon Sy Ho	M	44	Kreng	Krola	Poy	O Chum	Rattanakiri	2.00	-
80	La Pin Tea	F	24	Kreng	Krola	Poy	O Chum	Rattanakiri	0.50	-
81	Ra Den Neak	F	22	Kreng	Krola	Poy	O Chum	Rattanakiri	0.50	2.00
82	Sreng Kreung	F	37	Kreng	Krola	Poy	O Chum	Rattanakiri	0.50	3.00
83	Reth Srei Neang	F	32	Kreng	Krola	Poy	O Chum	Rattanakiri	0.50	-
84	Say Preah	F	40	Kreng	Krola	Poy	O Chum	Rattanakiri	0.50	4.00
85	Kan Ring Takok	M	19	Kreng	Krola	Poy	O Chum	Rattanakiri	1.00	-
86	Srang Tuy	M	23	Kreng	Krola	Poy	O Chum	Rattanakiri	1.50	-
87	Ngeut Sa Roeun	M	27	Kreng	Krola	Poy	O Chum	Rattanakiri	2.00	-
88	Kong Tha Mae	M	33	Kreng	Krola	Poy	O Chum	Rattanakiri	0.70	-
89	Prou Ta Paen	M	36	Kreng	Krola	Poy	O Chum	Rattanakiri	2.00	-
90	Ko Saing Koev	M	77	Kreng	Krola	Poy	O Chum	Rattanakiri	4.00	-
91	Lerk So pherk	M	31	Kreng	Krola	Poy	O Chum	Rattanakiri	2.00	-
92	Choch Kam Bet	F	48	Kreng	Krola	Poy	O Chum	Rattanakiri	1.50	-
93	Tan Vy	F	36	Kreng	Krola	Poy	O Chum	Rattanakiri	4.50	-
94	Pray Sor	M	57	Kreng	Krola	Poy	O Chum	Rattanakiri	2.50	-
95	Tal Chalat	M	28	Kreng	Krola	Poy	O Chum	Rattanakiri	1.50	-
96	Yang Na Khoeuv	M	38	Kreng	Krola	Poy	O Chum	Rattanakiri	0.50	-

No	Name	Sex	Age	Minority	Village	Commune	District	Province	Size of Lan (Ha)	Yield (T/ha)
97	Yen Lous	F	30	Kreng	Krola	Poy	O Chum	Rattanakiri	2.50	-
98	Hal Gnet	F	69	Kreng	Krola	Poy	O Chum	Rattanakiri	2.50	-
99	Han Chan Ka Pit	M	59	Kreng	Krola	Poy	O Chum	Rattanakiri	1.50	-
100	Kaver Lim	M	28	Kreng	Krola	Poy	O Chum	Rattanakiri	2.00	-
101	Gnok Bunch	M	21	Kreng	Krola	Poy	O Chum	Rattanakiri	1.50	-
102	Noeuk Nut	F	29	Kreng	Krola	Poy	O Chum	Rattanakiri	1.00	-
103	Sy Kri	M	21	Kreng	Krola	Poy	O Chum	Rattanakiri	2.50	-
104	Preas nea	M	24	Kreng	Krola	Poy	O Chum	Rattanakiri	2.00	-
105	Lam Bun Tei	M	60	Kreng	Krola	Poy	O Chum	Rattanakiri	2.00	-
106	Gom Va Ver	M	25	Kreng	Krola	Poy	O Chum	Rattanakiri	2.00	-
107	Yeun Pon	M	54	Kreng	Krola	Poy	O Chum	Rattanakiri	1.50	-
108	Houn Thoung	M	30	Kreng	Krola	Poy	O Chum	Rattanakiri	1.50	-
109	Mon Sa Oeun	M	33	Kreng	Krola	Poy	O Chum	Rattanakiri	0.50	-
110	Nel Raing On	M	28	Kreng	Krola	Poy	O Chum	Rattanakiri	1.50	-
111	Yorn Rat	M	23	Kreng	Krola	Poy	O Chum	Rattanakiri	2.00	-
112	Bong Van Gneung	M	49	Kreng	Krola	Poy	O Chum	Rattanakiri	1.00	-
113	Tchet Tanat	M	45	Kreng	Krola	Poy	O Chum	Rattanakiri	1.50	-

3.2.3 Rice production

10. Besides growing cashew and cassava, there are 116 HHs (F49) out of 141 HHs of this village growing rice (no mention about variety) on 97 ha of land (each household exists from 0.5 to 1 ha) and every ha of rice field actually offers 680 kg, where average national calculated yield is 3,254 kg per ha (GDA-2022). There was no record on prices of a kilogram of paddy rice (Table3).

Table 3 Numbers of HHs who grow rice

No	Name	Sex	Age	Minority	Village	Commune	District	Province	Size of Lan (Ha)	Yield (T/ha)
1	Kadok Keat	F	37	Kreng	Krola	Poy	O Chum	Rattanakiri	0.5	0.70
2	Chea Sa Tann	F	45	Kreng	Krola	Poy	O Chum	Rattanakiri	0.5	0.50
3	Chling Pai	F	61	Kreng	Krola	Poy	O Chum	Rattanakiri	0.5	1.00

No	Name	Sex	Age	Minority	Village	Commune	District	Province	Size of Lan (Ha)	Yield (T/ha)
4	Royas No	F	57	Kreng	Krola	Poy	O Chum	Rattanakiri	1.5	2.50
5	Lon Loeun	F	25	Kreng	Krola	Poy	O Chum	Rattanakiri	2	0.70
6	Ga Plon	F	35	Kreng	Krola	Poy	O Chum	Rattanakiri	0.5	0.50
7	Lom Bak Pok	F	22	Kreng	Krola	Poy	O Chum	Rattanakiri	0.5	1.00
8	Pas Tal	M	60	Kreng	Krola	Poy	O Chum	Rattanakiri	1	3.00
9	Lib Sok An	M	21	Kreng	Krola	Poy	O Chum	Rattanakiri	0.5	0.50
10	Kloen Kavout	M	38	Kreng	Krola	Poy	O Chum	Rattanakiri	0.5	0.50
11	Koe Thea	M	38	Kreng	Krola	Poy	O Chum	Rattanakiri	0.5	1.50
12	Deung Kaphon	M	25	Kreng	Krola	Poy	O Chum	Rattanakiri	0.5	0.80
13	Neut Ka Nat	F	45	Kreng	Krola	Poy	O Chum	Rattanakiri	0.5	0.70
14	Tan Khang Kean	M	35	Kreng	Krola	Poy	O Chum	Rattanakiri	0.5	0.80
15	Sakal Pro Kang	M	60	Kreng	Krola	Poy	O Chum	Rattanakiri	1.5	1.00
16	Ka Mang Poeun	M	28	Kreng	Krola	Poy	O Chum	Rattanakiri	0.5	0.80
17	An Tav Yen	M	24	Kreng	Krola	Poy	O Chum	Rattanakiri	0.5	0.70
18	Soun Chanthoeun	M	23	Kreng	Krola	Poy	O Chum	Rattanakiri	0.5	0.80
19	Nou Sokun	M	23	Kreng	Krola	Poy	O Chum	Rattanakiri	0.5	0.70
20	Va Chan Nou	M	53	Kreng	Krola	Poy	O Chum	Rattanakiri	1	1.50
21	Youch Aing	M	70	Kreng	Krola	Poy	O Chum	Rattanakiri	1	1.50
22	Phon Vaet	M	22	Kreng	Krola	Poy	O Chum	Rattanakiri	0.5	0.60
23	Van Pha Laen	M	44	Kreng	Krola	Poy	O Chum	Rattanakiri	0.5	1.00
24	Ven Vong	M	27	Kreng	Krola	Poy	O Chum	Rattanakiri	0.5	0.80
25	Lam Mwi Rab Chea	M	30	Kreng	Krola	Poy	O Chum	Rattanakiri	0.5	0.70
26	Yann La Nith	M	55	Kreng	Krola	Poy	O Chum	Rattanakiri	0.5	0.70
27	Ban That	M	60	Kreng	Krola	Poy	O Chum	Rattanakiri	1	1.00
28	Yaet Bei	M	27	Kreng	Krola	Poy	O Chum	Rattanakiri	0.5	0.80
29	Char Phou Krotchem	M	60	Kreng	Krola	Poy	O Chum	Rattanakiri	1	1.50
30	Kan Chrang Kless	M	60	Kreng	Krola	Poy	O Chum	Rattanakiri	1.5	1.50
31	Kaeng A yong	M	40	Kreng	Krola	Poy	O Chum	Rattanakiri	1	1.50

No	Name	Sex	Age	Minority	Village	Commune	District	Province	Size of Lan (Ha)	Yield (T/ha)
32	Sruch Hel	F	24	Kreng	Krola	Poy	O Chum	Rattanakiri	0.5	0.90
33	Kro Cheup Pring	M	27	Kreng	Krola	Poy	O Chum	Rattanakiri	0.5	0.70
34	Ta Play Tana	M	50	Kreng	Krola	Poy	O Chum	Rattanakiri	2	-
35	Srouch Peng	F	38	Kreng	Krola	Poy	O Chum	Rattanakiri	1	1.50
36	Leb Chooun	M	25	Kreng	Krola	Poy	O Chum	Rattanakiri	1	-
37	Ny Santiv	M	30	Kreng	Krola	Poy	O Chum	Rattanakiri	1	0.90
38	Ka Bel Savann	F	52	Kreng	Krola	Poy	O Chum	Rattanakiri	1	1.50
39	Hem Luk	M	25	Kreng	Krola	Poy	O Chum	Rattanakiri	0.5	0.70
40	Koev Sapi	M	20	Kreng	Krola	Poy	O Chum	Rattanakiri	0.5	0.70
41	Pahah Pha	M	45	Kreng	Krola	Poy	O Chum	Rattanakiri	1	1.50
42	Paeng Pha	M	32	Kreng	Krola	Poy	O Chum	Rattanakiri	1	1.00
43	Ly Sam Oeun	M	43	Kreng	Krola	Poy	O Chum	Rattanakiri	1	-
44	Pay Sokha	M	35	Kreng	Krola	Poy	O Chum	Rattanakiri	1.5	1.50
45	Chaing Pha	F	40	Kreng	Krola	Poy	O Chum	Rattanakiri	0.5	0.70
46	Ngong A chi	M	20	Kreng	Krola	Poy	O Chum	Rattanakiri	0.5	0.80
47	Kving Taverng	M	27	Kreng	Krola	Poy	O Chum	Rattanakiri	1	
48	Ha Tang	F	76	Kreng	Krola	Poy	O Chum	Rattanakiri	0.05	1.00
49	Kless	F	31	Kreng	Krola	Poy	O Chum	Rattanakiri	1	-
50	Ka Vel Ok	F	39	Kreng	Krola	Poy	O Chum	Rattanakiri	0.5	0.70
51	Pring Preut	F	47	Kreng	Krola	Poy	O Chum	Rattanakiri	0.5	1.50
52	Mang Mearea	F	30	Kreng	Krola	Poy	O Chum	Rattanakiri	0.5	1.00
53	Thang Thatch	F	50	Kreng	Krola	Poy	O Chum	Rattanakiri	1	-
54	Keum Ya	F	20	Kreng	Krola	Poy	O Chum	Rattanakiri	0.5	-
55	Sa Phou Ko naem	M	80	Kreng	Krola	Poy	O Chum	Rattanakiri	2	3.00
56	Huch Pheu Thea	M	80	Kreng	Krola	Poy	O Chum	Rattanakiri	2	2.50
57	Ron Veang	M	27	Kreng	Krola	Poy	O Chum	Rattanakiri	0.5	-
58	Ta Na Kay	F	65	Kreng	Krola	Poy	O Chum	Rattanakiri	0.5	0.50
59	Ay Yea Takan	F	48	Kreng	Krola	Poy	O Chum	Rattanakiri	0.5	-
60	Yoeung Sokhunthea	M	33	Kreng	Krola	Poy	O Chum	Rattanakiri	1	-

No	Name	Sex	Age	Minority	Village	Commune	District	Province	Size of Lan (Ha)	Yield (T/ha)
61	Sren Seth	M	27	Kreng	Krola	Poy	O Chum	Rattanakiri	1	1.20
62	Moa Na Merk	F	34	Kreng	Krola	Poy	O Chum	Rattanakiri	1	0.80
63	Thong Doung Pi	F	28	Kreng	Krola	Poy	O Chum	Rattanakiri	0.5	0.70
64	Kan Tark	M	27	Kreng	Krola	Poy	O Chum	Rattanakiri	0.5	1.80
65	Yem Srei Pi	F	19	Kreng	Krola	Poy	O Chum	Rattanakiri	0.3	0.40
66	Cheu Nay Dam	F	17	Kreng	Krola	Poy	O Chum	Rattanakiri	1	2.00
67	Sruch Ha Eang	F	40	Kreng	Krola	Poy	O Chum	Rattanakiri	0.5	-
68	MoeuKa Plim	F	27	Kreng	Krola	Poy	O Chum	Rattanakiri	0.5	0.90
69	Pen Nuch	F	60	Kreng	Krola	Poy	O Chum	Rattanakiri	0.5	-
70	Van Lida	F	40	Kreng	Krola	Poy	O Chum	Rattanakiri	0.5	-
71	Top Ta Nark	F	41	Kreng	Krola	Poy	O Chum	Rattanakiri	0.5	-
72	Pleang Hear	F	23	Kreng	Krola	Poy	O Chum	Rattanakiri	0.5	0.02
73	Veng Chan Doeun	F	31	Kreng	Krola	Poy	O Chum	Rattanakiri	0.5	-
74	Prorm Ket	F	25	Kreng	Krola	Poy	O Chum	Rattanakiri	1	-
75	Leb Doeun	F	25	Kreng	Krola	Poy	O Chum	Rattanakiri	2	3.70
76	Ka Hong Trout	F	40	Kreng	Krola	Poy	O Chum	Rattanakiri	1.2	-
77	Praing Neut	F	25	Kreng	Krola	Poy	O Chum	Rattanakiri	0.5	-
78	Kro Beu Kha	F	30	Kreng	Krola	Poy	O Chum	Rattanakiri	1	-
79	Deung Oeun	M	31	Kreng	Krola	Poy	O Chum	Rattanakiri	2	-
80	Khon Sy Ho	M	44	Kreng	Krola	Poy	O Chum	Rattanakiri	1.5	-
81	La Pin Tea	F	24	Kreng	Krola	Poy	O Chum	Rattanakiri	1	-
82	Ra Den Neak	F	22	Kreng	Krola	Poy	O Chum	Rattanakiri	0.5	-
83	Krola En	F	38	Kreng	Krola	Poy	O Chum	Rattanakiri	0.5	-
84	Rav Soeun	F	37	Kreng	Krola	Poy	O Chum	Rattanakiri	0.5	-
85	Kal Kong	F	41	Kreng	Krola	Poy	O Chum	Rattanakiri	1	-
86	Reth Srei Neang	F	32	Kreng	Krola	Poy	O Chum	Rattanakiri	0.5	-
87	Say Preah	F	40	Kreng	Krola	Poy	O Chum	Rattanakiri	0.5	-
88	Kan Ring Takok	M	19	Kreng	Krola	Poy	O Chum	Rattanakiri	1.5	-

No	Name	Sex	Age	Minority	Village	Commune	District	Province	Size of Lan (Ha)	Yield (T/ha)
89	Ngeut Sa Roeun	M	27	Kreng	Krola	Poy	O Chum	Rattanakiri	0.5	-
90	Kong Tha Mae	M	33	Kreng	Krola	Poy	O Chum	Rattanakiri	1	-
91	Prou Ta Paen	M	36	Kreng	Krola	Poy	O Chum	Rattanakiri	0.5	-
92	Ko Saing Koev	M	77	Kreng	Krola	Poy	O Chum	Rattanakiri	1.5	-
93	Lerk So pherk	M	31	Kreng	Krola	Poy	O Chum	Rattanakiri	0.5	-
94	Choch Kam Bet	F	48	Kreng	Krola	Poy	O Chum	Rattanakiri	0.5	-
95	Tan Vy	F	36	Kreng	Krola	Poy	O Chum	Rattanakiri	2	-
96	Pray Sor	M	57	Kreng	Krola	Poy	O Chum	Rattanakiri	1.5	-
97	Tal Chalat	M	28	Kreng	Krola	Poy	O Chum	Rattanakiri	1.5	2.00
98	Yang Na Khoeuv	M	38	Kreng	Krola	Poy	O Chum	Rattanakiri	0.5	-
99	Yen Lous	F	30	Kreng	Krola	Poy	O Chum	Rattanakiri	0.5	-
100	Hal Gnet	F	69	Kreng	Krola	Poy	O Chum	Rattanakiri	1	-
101	Han Chan Ka Pit	M	59	Kreng	Krola	Poy	O Chum	Rattanakiri	1	0.70
102	Kaver Lim	M	28	Kreng	Krola	Poy	O Chum	Rattanakiri	0.5	1.00
103	Gnok Bunch	M	21	Kreng	Krola	Poy	O Chum	Rattanakiri	0.5	-
104	Ra Ver Youengd	M	58	Kreng	Krola	Poy	O Chum	Rattanakiri	2	3.00
105	Noeuk Nut	F	29	Kreng	Krola	Poy	O Chum	Rattanakiri	1	-
106	Sy Kri	M	21	Kreng	Krola	Poy	O Chum	Rattanakiri	0.7	-
107	Preas nea	M	24	Kreng	Krola	Poy	O Chum	Rattanakiri	0.5	-
108	Lam Bun Tei	M	60	Kreng	Krola	Poy	O Chum	Rattanakiri	1	-
109	Gom Va Ver	M	25	Kreng	Krola	Poy	O Chum	Rattanakiri	1	-
110	Yeun Pon	M	54	Kreng	Krola	Poy	O Chum	Rattanakiri	0.5	0.50
111	Houn Thoung	M	30	Kreng	Krola	Poy	O Chum	Rattanakiri	1	1.50
112	Mon Sa Oeun	M	33	Kreng	Krola	Poy	O Chum	Rattanakiri	0.5	-
113	Nel Raing On	M	28	Kreng	Krola	Poy	O Chum	Rattanakiri	1	-
114	Yorn Rat	M	23	Kreng	Krola	Poy	O Chum	Rattanakiri	1	-
115	Bong Van Gneung	M	49	Kreng	Krola	Poy	O Chum	Rattanakiri	1	-
116	Tchet Tanat	M	45	Kreng	Krola	Poy	O Chum	Rattanakiri	1	-

11. By the way and regarding rice production, the project team recorded that all the rice producer of this village growing rice for family consumption only.
12. Regarding to some households, who did not grow any crops because they do not have labor, shortage of technics and capital and just abundant from Parents.

3.3 Other Crop Production

13. By the way, according to the statistic counts, it was noted there were no family of this village grow neither vegetable nor fruit trees. There was no record on why they did not grow those types of those trees.

3.3 Impacts on crop production

3.3.1 Soil Fertility

14. According to the interview on the soil fertility of this village, 134 HHs, the majority of interviewees rated the soil fertility of their village in medium quality. So, it needs to be improved. Improving the soil fertility will, of course take a certain time.

3.3.2 Other impacts

15. In short, it found that the crop production of this village is under 8 adverse impacts, significantly affect crop production of this village. First, 44 HHs (F12) of this village deeply express their concern on the drought , 14 HHs (4) concern on the impact of diseases , 52 HHs (16) told the team they require trainings on crop production, only 6HHs (F2) mention they have no labor , and only 2 HHs do not have sufficient capital, 3 other HHs mention about the market shortage of their village, 53 HHs (F16) said that they meet difficulties to find shop selling supplementary inputs (fertilizer, materials...), and 20 HHs (F4) concern the insects for crop production (Figure1).

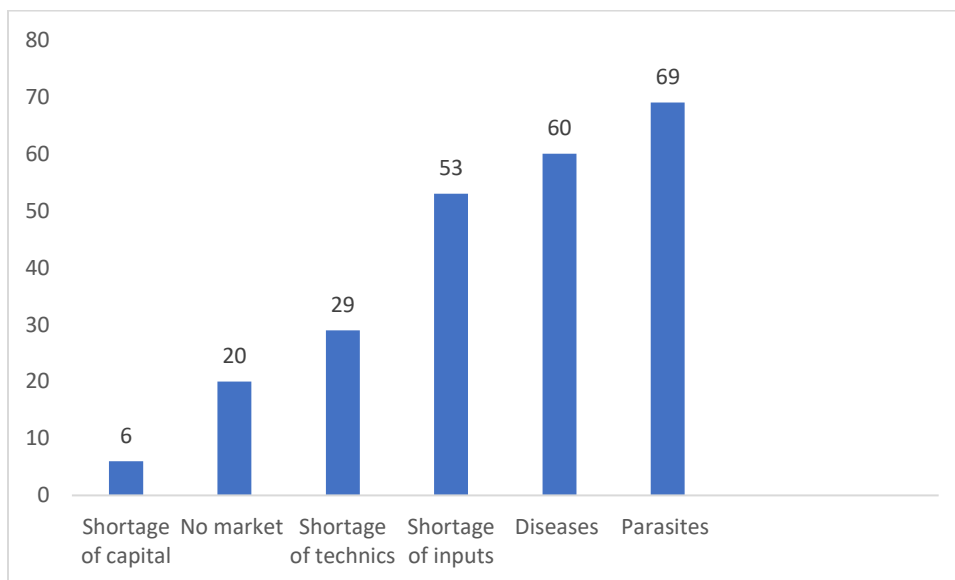


Figure 1 Rate of various impacts on crop production

3.4 Animal Production

3.4.1 Type of animal production and Statistic

16. Besides culturing some crops as mentioned above, it was recorded 13 HHs (F7) raise 40 heads of cattle, 1 HHs (F0) raise a head of buffalo, 8 HHs (F2) raise 9 heads of pig, and 17 HHs (F6) raise 132 heads of chicken (Table4). According to this record, the animal production of this village become low.

Table 4 Numbers of HHs who raise cattle, buffalo, pig, chicken

No	Name	Sex	Age	Minority	Village	Commune	District	Province	Cattle	Buffalo	Pig	Chicken
1	Ta Play Tana	M	50	Kreng	Krola	Poy	O Chum	Rattanakiri	1	0	0	10
2	Leb Choeun	M	25	Kreng	Krola	Poy	O Chum	Rattanakiri	4	0	0	30
3	Pahah Pha	M	45	Kreng	Krola	Poy	O Chum	Rattanakiri	4	0	0	50
4	Ly Sam Oeun	M	43	Kreng	Krola	Poy	O Chum	Rattanakiri	1	1	5	10
5	Kving Taverng	M	27	Kreng	Krola	Poy	O Chum	Rattanakiri	2	0	1	20
6	Mang Mearea	F	30	Kreng	Krola	Poy	O Chum	Rattanakiri	6	0	0	0
7	Keum Ya	F	20	Kreng	Krola	Poy	O Chum	Rattanakiri	4	0	3	6
8	Sa Phou Ko naem	M	80	Kreng	Krola	Poy	O Chum	Rattanakiri	5	2	0	50
9	Huch Pheu Thea	M	80	Kreng	Krola	Poy	O Chum	Rattanakiri	2	0	6	20
10	Lam Bu Ky	M	75	Kreng	Krola	Poy	O Chum	Rattanakiri	4	0	6	30
11	Ron Veang	M	27	Kreng	Krola	Poy	O Chum	Rattanakiri	1	0	2	10
12	Ta Na Kay	F	65	Kreng	Krola	Poy	O Chum	Rattanakiri	2	0	0	10
13	Cheu Nay Dam	F	17	Kreng	Krola	Poy	O Chum	Rattanakiri	4	0	1	0
14	Ka Vel Oul	F	80	Kreng	Krola	Poy	O Chum	Rattanakiri	1	1	1	5
15	Van Lida	F	40	Kreng	Krola	Poy	O Chum	Rattanakiri	2	0	0	0
16	Prorm Ket	F	25	Kreng	Krola	Poy	O Chum	Rattanakiri	2	0	0	0
17	Leb Doeun	F	25	Kreng	Krola	Poy	O Chum	Rattanakiri	2	1	6	30
18	Ka Hong Trout	F	40	Kreng	Krola	Poy	O Chum	Rattanakiri	6	0	1	20
19	Praing Neut	F	25	Kreng	Krola	Poy	O Chum	Rattanakiri	5	0	0	0
20	Kro Beu Kha	F	30	Kreng	Krola	Poy	O Chum	Rattanakiri	3	0	1	20
21	Deung Oeun	M	31	Kreng	Krola	Poy	O Chum	Rattanakiri	2	0	0	30
22	Khon Sy Ho	M	44	Kreng	Krola	Poy	O Chum	Rattanakiri	4	0	1	10
23	Kan Ring Takok	M	19	Kreng	Krola	Poy	O Chum	Rattanakiri	1	0	0	0
24	Srang Tuy	M	23	Kreng	Krola	Poy	O Chum	Rattanakiri	2	0	0	10
25	Ngeut Sa Roeun	M	27	Kreng	Krola	Poy	O Chum	Rattanakiri	4	0	1	20
26	Kong Tha Mae	M	33	Kreng	Krola	Poy	O Chum	Rattanakiri	4	0	1	10
27	Prou Ta Paen	M	36	Kreng	Krola	Poy	O Chum	Rattanakiri	1	0	3	20
28	Ko Saing Koev	M	77	Kreng	Krola	Poy	O Chum	Rattanakiri	4	0	4	50
29	Choch Kam Bet	F	48	Kreng	Krola	Poy	O Chum	Rattanakiri	1	0	4	5
30	Tan Vy	F	36	Kreng	Krola	Poy	O Chum	Rattanakiri	2	0	2	20
31	Pray Sor	M	57	Kreng	Krola	Poy	O Chum	Rattanakiri	4	0	3	20
32	Yang Na Khoeuv	M	38	Kreng	Krola	Poy	O Chum	Rattanakiri	1	0	4	4
33	Yen Lous	F	30	Kreng	Krola	Poy	O Chum	Rattanakiri	4	0	0	20
34	Hal Gnet	F	69	Kreng	Krola	Poy	O Chum	Rattanakiri	2	0	0	10
35	Han Chan Ka Pit	M	59	Kreng	Krola	Poy	O Chum	Rattanakiri	2	0	0	0
36	Kaver Lim	M	28	Kreng	Krola	Poy	O Chum	Rattanakiri	1	0	2	10
37	Gnok Bunch	M	21	Kreng	Krola	Poy	O Chum	Rattanakiri	2	0	0	5
38	Ra Ver Youengd	M	58	Kreng	Krola	Poy	O Chum	Rattanakiri	1	0	2	0
39	Noeuk Nut	F	29	Kreng	Krola	Poy	O Chum	Rattanakiri	2	0	4	30
40	Sy Kri	M	21	Kreng	Krola	Poy	O Chum	Rattanakiri	3	0	5	20
41	Preas nea	M	24	Kreng	Krola	Poy	O Chum	Rattanakiri	2	0	0	10
42	Lam Bun Tei	M	60	Kreng	Krola	Poy	O Chum	Rattanakiri	2	0	4	2
43	Gom Va Ver	M	25	Kreng	Krola	Poy	O Chum	Rattanakiri	2	0	4	10
44	Yeun Pon	M	54	Kreng	Krola	Poy	O Chum	Rattanakiri	2	0	4	2
45	Houn Thoung	M	30	Kreng	Krola	Poy	O Chum	Rattanakiri	1	0	0	20
46	Mon Sa Oeun	M	33	Kreng	Krola	Poy	O Chum	Rattanakiri	2	0	4	0
47	Nel Raing On	M	28	Kreng	Krola	Poy	O Chum	Rattanakiri	2	0	4	20
48	Yorn Rat	M	23	Kreng	Krola	Poy	O Chum	Rattanakiri	1	0	2	4

No	Name	Sex	Age	Minority	Village	Commune	District	Province	Cattle	Buffalo	Pig	Chicken
49	Bong Van Gneung	M	49	Kreng	Krola	Poy	O Chum	Rattanakiri	2	0	4	10
50	Tchet Tanat	M	45	Kreng	Krola	Poy	O Chum	Rattanakiri	4	0	0	20

3.4.2 Impacts of animal productions

17. Regarding the impacts on the animal production , during the field work in this village, it was found 4 HHs (F4) concern on drought, 60 HHs (F28) concern on diseases, 69 HHs (F32) concern on the parasites or worm, 29 HHs (F10) said they need trainings on animal raising, 5 HHs (F5) said that they do not have sufficient labor, and 6 HHs (F5) concern on shortage of capital, 22 HHs (F20) observe on shortage of market, and 53 HHs (F16) concern on the shortage of inputs (vaccine, medicine....) (Figure 2).

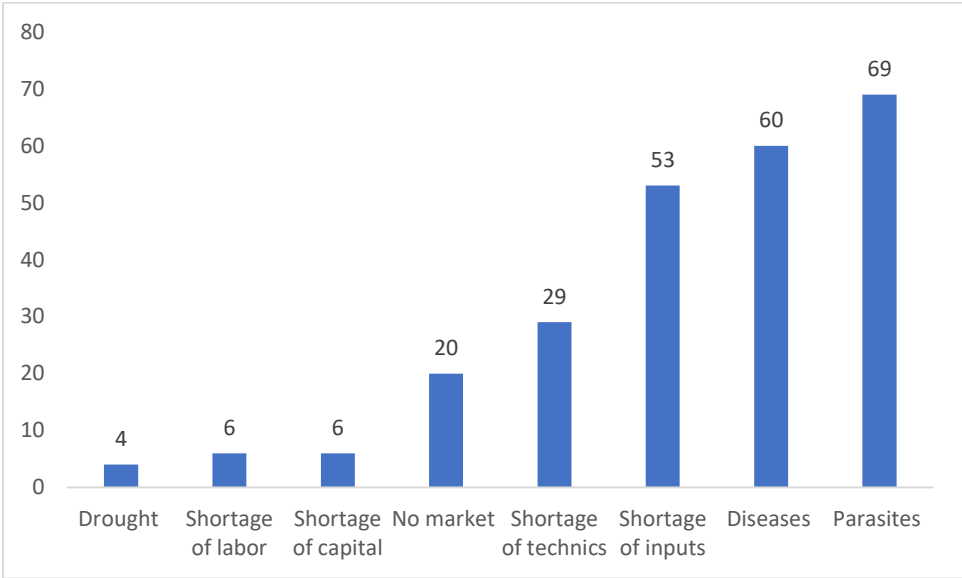


Figure 2 Rate of Impacts on Animal Production

3.5 Incomes

3.5.1 On Farm Income

18. A hug income of villagers in this villages come from agriculture farming productivity. According to the quick agricultural economic analysis, the team found that, 1) the average family agricultural farming production cost of this village is 1408 794.33 riel (352 \$US), 2) the average family gross income is 5,282,411.35 riel (1,320.60 \$US) and, 3) so the average family net income of this village is calculated in 3,873,617.02 riel (968.40\$US).

3.5.2 Off Farm and Non -farm Incomes

19. Besides agriculture farming work, it was recorded 94 HHs (F36) or 66% of the interviewees get non-farm jobs from working for companies, within the yearly average income is 1,024,964.54 Riel (256.24 \$US) per year.

3.5 Household Food Security (HFS)

20. Regards to status of food security of this village, the project team recorded 72 HHs (F38) out of 141 HHs, said that that they do not have sufficient food, where 28 HHs (F17) fall in insufficient food from 1 days to 10 days in a year, where other 18 HHs (F6) face to insufficient food from 12 days to 20 days in a year, 11 HHs (F2) have food shortage from 30 days to 60 days, and only 2 HHs shortage food from 80 days to 90 days (Figure 3).

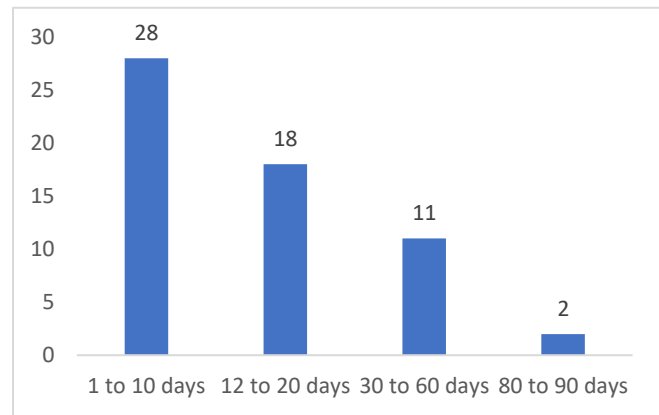


Figure 3 No of HHs VS Food Shortage Day (FSD)

3.7 Market demand Analysis

21. It was found 132 HHs (F34) of 141 HHs of this village always sell their agriculture products to both inside and outside village collectors and processors. By the way, all of collectors come to collect the products of villagers at the village. Hence All of these collectors sell their collected products to neighboring countries, for better income.
22. In terms of selling the products to these two collectors, it was found that 47 HHs (F14) of this village contact to companies through the phones, otherwise 3 other HHs could use their phones or the representatives of their groups to contact with companies, 57 HHs (F) contact directly to companies as well as using phones, and 20 HHs (F18) come to contact the buyers directly. From this point of view, it could conclude that the market communication of this village by phone is still popular, as 125 HHs(F5) of this village have been using 121 phones, included 119 smart phones. The exist of smart phone is another feature of this village to link to ICT transfer, even though the numbers of smart phone is still limited.
23. On the other hand, regards to market problem, while we conducted the interview 137 HHs (F62) of the interviewees mentioned 4 types of market problem are:1) low prices, 2) shortage of market information, 3) no middle man and 4) shortage of infrastructure.

IV. Recommendation and Conclusion

24. The beneficiary profile of Krola village presents the three major issues that the villager of this village has faced in regards to 1) the decline of agriculture yield or products, the villagers does not consist shortage of agricultural technics, some other market problem such low prices, no available market information, shortage of technics, diseases and drought significantly impacting on crop and animal production of the villagers. These three factors consist their specific resolutions, responses and measures.
25. The first prioritized measure need to be responded to these mentioned problems above will be came through selection of Agriculture Development Facilitators (ADFs), selection and formation of Village Extension Workers (VEWs) and Village Animal Health Workers (VAHWs) who are based in target villages and providing technical support to beneficiaries, under direct technical support of various line departments, mainly Provincial Department of Agriculture, Forestry and Fisheries and the Muster Training Team (MTT).
26. In this case, the MTT of project will release some main technical course, through agricultural trainings and demonstrations, farmer field school..., to target groups of the project within the participation and facilitation of ADFs, VEWs and VAEWs.

27. In terms of increasing the yield of agriculture products, through the facilitation of ADFs, VEWs and VAHWs, the project should provide some following and relevant technics as well as trainings to villagers of this village:

- Compost/ green manure or organic fertilizer production
- Seed or crop variety selection
- Horticulture/grafting
- Crop integration/ rotation
- Rice intensification
- Integrated Pest Management (IPM)
- Post- harvest technique and so on...

28. In addition, regarding improvement of animal production, the project included PDAFFs, Provincial Office of animal production and treatment (POAPT), under the participation of ADFs, VEWs and VAHWs, need to provide the following technical trainings to these villagers on:

- Animal Husbandry techniques in adaption to climate change
- Breed selection technique
- Animal disease (parasite) prevention
- As well as to promote and facilitate the regular vaccination and deworming campaign in this village within the facilitation and technical support of ADF, VEW and VAHWs.

29. The following proposed measures might passively help to increase the prices of agriculture products and solving market information for this village. All of measures are compounded in a group and might be actual by order. But what come first is the organization of producer groups and agriculture cooperatives. Base of existing information of this village (Table1 to Table 4), such as: forming a Cashew, Cassava, Rice, cattle producer, pig producer and chicken producer groups as every groups is going to assigned their administrative groups, such as market information groups or focal points, who responding with collecting and sharing market information to members as well as facilitation of contract farming of their groups with private sector. Doing this will, of course, help to sustain their market demand and price, promoting the implementation of their community agriculture productions and productivities.

V. VANNEX

5.1 Annex 1: Questionnaire of Beneficiary Profile Form

A. To be completed by interviewer

1. Name:, Gender: Male Female
2. Interview date (DD/MM/YY):
3. Location:(village),(commune),(district),(province).
4. Phone number: and

B. To be completed by interviewee

Part I: General information

1. Name:, Gender: Male Female

2. Indigenous People: Kreung Tompoun Pou Nong Prov Mil Charay

Other:

3. Family status: Single Marriage Divorce Separate

4. Children: (People) (Son: (People), Daughter: (People).

5. Children who are studying:

❖ Kindergarten: (People) (Son: (People), Daughter: (People).

❖ Primary school: (People) (Son: (People), Daughter: (People).

❖ Secondary school: (People) (Son: (People), Daughter: (People).

❖ High school: (People) (Son: (People), Daughter: (People).

❖ Technical school: (People) (Son: (People), Daughter: (People).

❖ Undergraduate: (People) (Son: (People), Daughter: (People).

6. Children who stop study: (People) (Son: (People), Daughter: (People).

7. Under-age school children: (People) (Son:(People), Daughter: (People).

8. Agriculture labor force: 1 2 3 4 5 6 7 8 9

9. Have you applied to the LASED III project already in term of agricultural support? Yes No

10. Have you participated in dissemination already? Yes No

11. Which institutions provide the dissemination?

Ministry of Agriculture, Forestry and Fisheries

Ministry of Land Management, Urban Planning and Construction

Provincial Department of Agriculture, Forestry and Fisheries

Provincial Department of Land Management, Urban Planning and Construction

Local authority

Other:

Part II: Agricultural potential

2.1 Industrial crops

2.1.1 Cashew tree Yes No (If so, please verify below:)

Younger than the harvest year

No land to grow

Land not yet cleared

Other:

2.1.1.1 Cashew production: (h.a), Yield: (t), Price: (Riel/kg)

2.1.2 Cassava: (h.a)

2.1.2.1 Quantity sell: (h.a), Fresh cassava's price: (Riel/kg)

2.1.2.2 Quantity sell: (h.a), Dried chip cassava's price: (Riel/kg)

2.1.3 Rubber: (h.a), Yield: (t), Price: (Riel/kg)

2.1.4 Rice: (h.a), Yield: (t), Have you sold the rice? Yes No (Please verify)

Only household consumption

Also sold some

No land to grow

Land not yet cleared

Other:

2.1.4.1 Sold quantity: (h.a), Yield: (t), Price: (Riel/kg)

2.2 Horticulture

2.2.1 Vegetable: (h.a), Yield: (t), Price: (Riel/kg)

2.2.2 Fruits tree: (h.a), Yield: (t), Price: (Riel/kg)

2.3 Challenges

2.3.1 What is the condition of your land? Good Average Bad

2.3.2 Challenges

Choose any answer you come across Please tick (✓) on the only answer! Level 1 is not strongly challenged to level 5 is strongly challenged	1	2	3	4	5
Drought					
Diseases on other crops					
Lack of techniques in cultivation					

Lack of labor to support agricultural work					
Lack of capital					
Lack of sales' market					
Lack of agricultural inputs (fertilizers and pesticides, seeds, etc.)					

2.4 Livestock No Yes (If so, please verify below:)

2.4.1 Cow:, Buffolo:, Pig:, Chicken:, Duck:, Other:

2.4.1.1 Cow's sell quantity:, Total price: (Riel)

2.4.1.2 Buffolo's sell quantity:, Total price: (Riel)

2.4.1.3 Chicken's sell quantity:, Total price: (Riel)

2.4.1.4 Duck's sell quantity:, Total price: (Riel)

2.4.1.5 Other:, Total price: (Riel)

2.4.2 Challenges

Choose any answer you come across Please tick (✓) on the only answer! Level 1 is not strongly challenged to level 5 is strongly challenged	1	2	3	4	5
Drought					
Other animal diseases					
Lack of technique in raising					
Lack of labor to raise livestock					
Lack of capital for animal husbandry raising					
Lack of sales' market					
Lack of production inputs (food, vaccines, veterinary drugs, etc.)					

2.5 Aquaculture (raising fish, frogs, eels, snakes, etc.)

2.5.1 Do you do aquaculture? No Yes (If so, please verify below)

2.5.2 Sell quantity: (kg), Price: (Riel/kg)

2.5.3 Do you want to do aquatic farming? Yes No (If so, please verify below)

2.5.4 Please provide your reasons why do not want to do the aquatic farming:

.....

2.6 Markets

2.6.1 Who do you sell your agricultural products to?

- Processing company
- Medium or large broker in local or province
- Village collectors
- Agricultural cooperative to which it is a member (If the respondent is a member of the agricultural cooperative)
- Others (Please specify:)

2.6.2 Where do your buyers bring your agricultural products to?

- Export abroad (usually exported to Vietnam)
- Local processing
- Resale to exporters (usually exported to Vietnam)

2.6.3 Where sources do you know the price of agricultural products from?

- By phone
- By telegram
- Direct contact with local buyers (Establish a regular quote team)
- By relevant ministries and institutions
- By organizing a matching forum from relevant ministries and institutions

2.6.4 Have you ever attended a contract farming training course?

- No
- Yes

2.6.5 Which ministry or institution is organized by?

- Provincial Department of Agriculture, Forestry and Fisheries
- Department of Agro-Industry
- NGOs
- Private sector engaged in contract farming

2.6.6 Transportation

- Bulldozer
- Tractor
- Motorcycles
- Horse-drawn carriage
- Car

2.6.7 Challenges

- Low selling price
- Lack of buyers
- Lack of market information
- Lack of drying facilities
-

(Specify.....) Other:

2.7 Agricultural economic analysis (Annual)

2.7.1 Total income from agriculture (Riel)

2.7.2 Total expenditure on agricultural production (cultivation, aquaculture, etc.)
(Riel)

2.7.3 Non-agricultural work No Yes (Please specify:.....)

2.7.4 Non-agricultural income (Please specify:..... (Riel))

2.7.5 Expenses and income: Enough Not enough

2.7.6 How many months do you estimate the shortage (in days / months)?

2.8 Extension and Information Technology

2.8.1 Have you ever attended a short course in agricultural skills? Yes No

2.8.2 Training by which party:
.....
.....

2.8.3 Do you have a cell phone? Yes No

2.8.4 Total number of phones: (Units) 4.1 Smart phones units

2.8.5 Have you ever used a smartphone to learn agricultural techniques? Yes No

2.8.6 Have you ever used a smartphone to buy or sell agricultural products? Yes No

2.9 Community infrastructure

2.9.1 Rubber road number: (Line), Length: (Km)

2.9.2 Road number: (Line), Length: (Km)

2.9.3 Red gravel road number: (Line), Length: (Km)

2.9.4 Lake, Size: (Cubic meter)

2.9.5 River, Length: (Km)

2.9.6 School (Building)

2.9.7 Health Center (Building)

Annex 2 Additional questions

I. Agriculture Cooperative

1. Does your indigenous community establish the agriculture cooperative?

No

Yes (Please specify in the following question)

2. What is the name that agriculture cooperative?

.....
.....

3. How many members in that agriculture cooperative? (Please attach the photo, if applicable)

Amount of member: (Number of women:)

4. What careers does that agriculture cooperative do?

.....
.....
.....
.....
.....

5. What challenges does that agriculture cooperative come across?

.....
.....
.....
.....
.....

II. Producer Group

6. Does your producer group establish the agriculture cooperative?

No

Yes (Please specify in the following question)

7. What is the name that producer group?

.....

8. How many members in that producer group? (Please attach the photo, if applicable)

Amount of member: (Number of women:)

9. What careers does that producer group do?

.....
.....

.....
.....
.....

10. What challenges does that producer group come across?

.....
.....
.....
.....

III. Revolving Funds Group

11. Does your revolving funds group establish the agriculture cooperative?

- No
- Yes (Please specify in the following question)

12. What is the name that revolving funds group?

.....

13. How many members in that revolving fund group? (Please attach the photo, if applicable)

Amount of member: (Number of women:)

14. What careers does that revolving funds group do?

.....
.....
.....
.....

15. What challenges does that revolving funds group come across?

.....
.....
.....
.....

IV. Other Farmer Group

16. Does your other farmers group establish the agriculture cooperative?

- No

Yes (Please specify in the following question)

17. What is the name that other farmers group?

.....

18. How many members in other farmers group? (Please attach the photo, if applicable)

Amount of member: (Number of women:)

19. What purposes do that other farmer groups do?

.....

.....

.....

.....

20. What challenges does that revolving funds group come across?

.....

.....

.....

.....

21. In order to develop the agriculture cooperative/producer group/revolving funds group, what do you want LASED III project support?

Education and training

Financial support

Business agreement making

Contract Farming making

Facilitate the private and development partner in the local

Physical infrastructure support

Other (Please specify:)

V. Fisheries

22. Do you catch fishes traditionally?

No

Yes (Please specify in the following question)

23. How much do you earn from the traditional fishing?

Please specify: (Riel)

24. Do you spend on traditional fishing materials?

No

Yes (Please specify in the following question)

25. How much do you spend it?

Please specify: (Riel)