

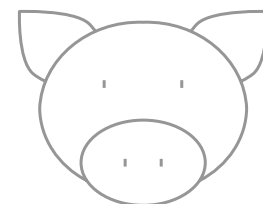
Community-based Sustainable Forest Management for Water Resources Conservation, Manipur (COSFOM)

Training Handout

(Scientific Pig Farming, Nutrition and Health Management)

Hok Farm

Hok farm kasā kajihi, sā (hoksā), ānao pharākhui khavai lah khangatei apongwui vāng hok kakei hili kahāngna. Hi leihtong tongkhuida pailāk eina lang pheikhui kapai apong akhana, kha hiwui otngarut hi ngarān kazak kaji, mathālāk eina yangkasang, shakei makazā khavai kala kachikathā kashak kazā khamathā mirakhala kaji awor leiphalungra.



Hok Kakeili Theikhangayi Khamataiya Bing

1. Hok kakei ayur bing

- Leih sākhavai hok kakei
- Hok teomeikha kakei
- 2. Hoknao pharākhui**
- Hoknao pharākhui khavai
- Hok anao pharākhui khavai
- 3. Hokzāt khawui**
- Azāt mathāda khami
- Tara
- 4. Hok shim**
- Hok kakeili hokshim mathada semi phalungra. Kazāt marāza khavai hokshim chi tharphalungra, thengcheng haira kala masi mathāda zang ngasak phalungra
- Hokshim ayur bing

5. Hok phasa mathā khavai kala makazā khavai

- Ari kāpkhami
- Kachai/mazem mazang khavai
- Kazāt marāzakhavai

6. Hoknao pharākhui kala yangsang khami

- Hok kakeibingna yangkhami
- Anaoli ana mishimanra
- Weaning

7. Khamakhao sāmthākhmi

- Tharda leingasak khavai hokpai lah khamakhao bing mathāda samathamichingra
- Hokpai lah khamakhao sāmthā khmi, maning akha hār sāda shikajin hina pollution mashok ngasak mana kala chiwui eina lan chungmeita tākhuipaiya
- Hokpai/khamakhao sākhamathā hili, hokpai kazip khavai akhur chuikakhui, pārtā khangasak kala khangatei apong eina mathāda kagazip la zanga

8. Leih kasā kala khayor

- Tharda leingasak khavai hokpai lah khamakhao bing mathāda samathamichingra
- Hokpai lah khamakhao sāmthā khmi, maning akha hār sāda shikajin hina pollution mashok ngasak mana kala chiwui eina lan chungmeita tākhuipaiya
- Hokpai/khamakhao sākhamathā hili, hokpai kazip khavai akhur chuikakhui, pārtā khangasak kala khangatei apong eina mathāda kagazip la zanga



I. Hok Kakei Ayur Bing

- **Leih sākhevai hok kakei:** Hi hok kachungkha keilaga sāya. Matailāk eina ānao kachungkha pharākakhui, mathaokhuida sā sākhevai keikhuiya..
- **Hok teomeikha kakei:** Hili shimkhur mibingna hok teomeikha keiya. Hili matailak eina tang/khongnai bingli yorsang khavai lah ari-arai mashijinla mibing na ningmachān khavai mathālāk eina kakeili ningshai sāya.

II. Hoknao Pharākhui

- **Hoknao pharākhui khavai:** Hok ānao pharākhui khavai hokva kakei.
 - **Hokva (female pigs):** Anao pharā khavaiwui vāng māng keiya. Hokva khani kathum keiya
 - **Hok ālāh (male pigs):** Hok āvali ngaso khavai keiya. Zingkum ākhali ānao kachungkha pharākhuiya. Zimiksho 114 thang shakha zanga.
- **Hok anao pharākhui khavai:** Āsa khamathā hoknao pharākhui khavai hok kapharā atam mathāda yangkasang darkar sāya. Hok ānao khavai hi zimiksho 114 thang shakha zanga, kala atam yanglaga hok āvā eina āva ngaso khangasak hi matailak kahai akhana.



III. Hokzāt Khawui

- **Azāt mathāda khami:** Hokzāt mathāda khawui china hokbing āsa mathā ngasakta sā khamathā samphang ngasaka. Hokzāt mikazā chili protein, carbohydrate, vitamin kala mineral mathada kazang darkar sāya.
 - Hok ānaowui azāt (for piglets): Protein mathāda kazang azāt mikazā china hoknao phasā mathāda haksang ngasaka.
 - Haksang khavai āzāt (for young pigs): Protein suitāmei sālala, phasā khamathā eina haksang khavai nutrient mathāda kazang kashak kazā mathāda mizāra.
 - Hok mapung phākahaiwui azāt (for market pigs): Asā ritmei khavai, asā kāmei khavai darkar kasā nutrient kazang azāt mizāra.
- **Tara:** Tara khamathing, kathar haimishon phalungra kaja hok bingna khaluizā khavai kala phasā mathākhavai tara tarākha darkar sāya.



Metabolic energy (kcal/kg):
3,300-3,400



Raw Fiber: 4%



Raw Protein: 17%-21%



Essential amino acids:

- Lysine: 1.15%
- Methionine: 0.29%
- Methionine + Cystine: 0.58%
- Threonine: 0.75%
- Tryptophan: 0.21%



Minerals:

- Calcium: 0.80%-0.90%
- Total phosphorus: 0.70%
- Sodium: 0.15%-0.35%

IV. Hok Shim

- Hok kakeili hokshim mathada semi phalungra. Kazāt marāza khavai hokshim chi tharphalungra, thengcheng haira kala masi mathāda zang ngasak phalungra.

- Hokshim Ayur Bing

1

Lanji/ngashi hamsang khami

Simple but resource-intensive preparation.



2

Floor akhur utlaga kasem

Complex construction requiring significant resources.



3

Khangacha hokshim

Hok ngatatei dawui vang hokshim ngatateida semmiya.



4

Ithumwui Ningkhan eina zatngasak kapai hokshim

Khayi apam khalei eina ngasoda hok bingli thāda chipen haiya.



Nao khavai hokva wui shim ngateida semmira



Nao makhavai hokva bing ngateida haira



Hoknao kapharā hokva li ngateida haira



Hoknao bingli lumkhavai/mamakui khavai



Hoknao bing chipet khavai athip ngateida



Hoknao bingwui azāt mizā khavai hokzātkhong



Hok kahak kateo athi shurda mangkhavai
tara sangkhavai ākhong haimira



Hok kahak kateo athi shurda hokzātkhong
haimira

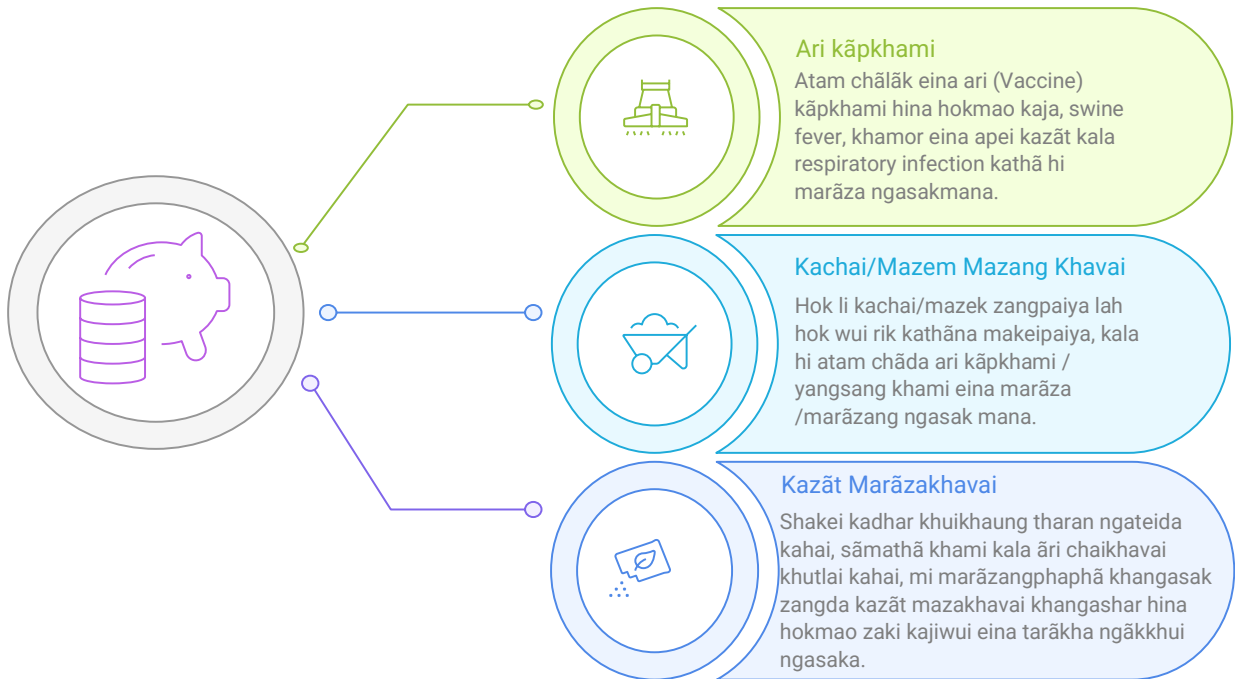


Floor chi hokwui athi shurda semmira



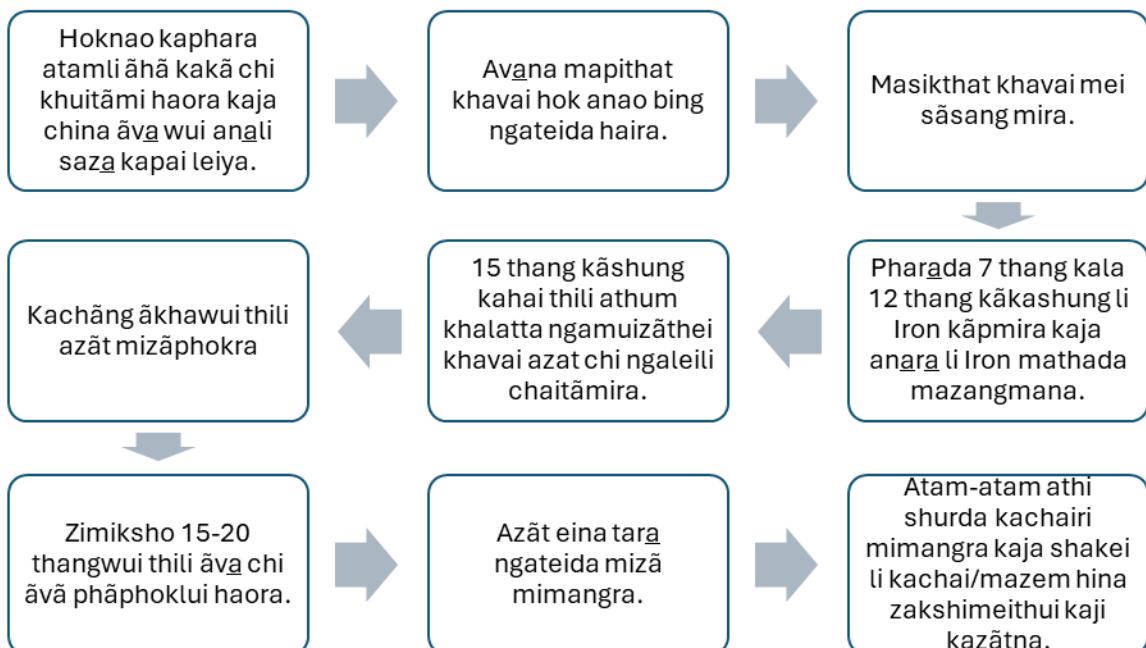
Hokshim mashaṇā majimara

V. Hok Phasa Mathã Khavai Kala Makazã Khavai



VI. Hoknao Pharãkakhui kala Yangsang Khami

- **Hok kakeibingna yangkhami:** Hok kapharã tharan saklãk eina yangsangra kala hok ãnao bingchi khalum, katheng apamli haida kashak-kazã mizãra.
- **Anaoli ana mishimanra:** Hok pharã khareoda, kazãt mazakhavai antibodies tarãkha kazang ãvawui ana shokkhare chi mangkhui ngasakra.
- **Weaning:** Hok ãnao bingchi hapta kathum-matiwui thili ana khamang suitã ngasak haida, mathãda haksang khavai kala phasã mathãmei khavai kashak kazã mizãphokra.

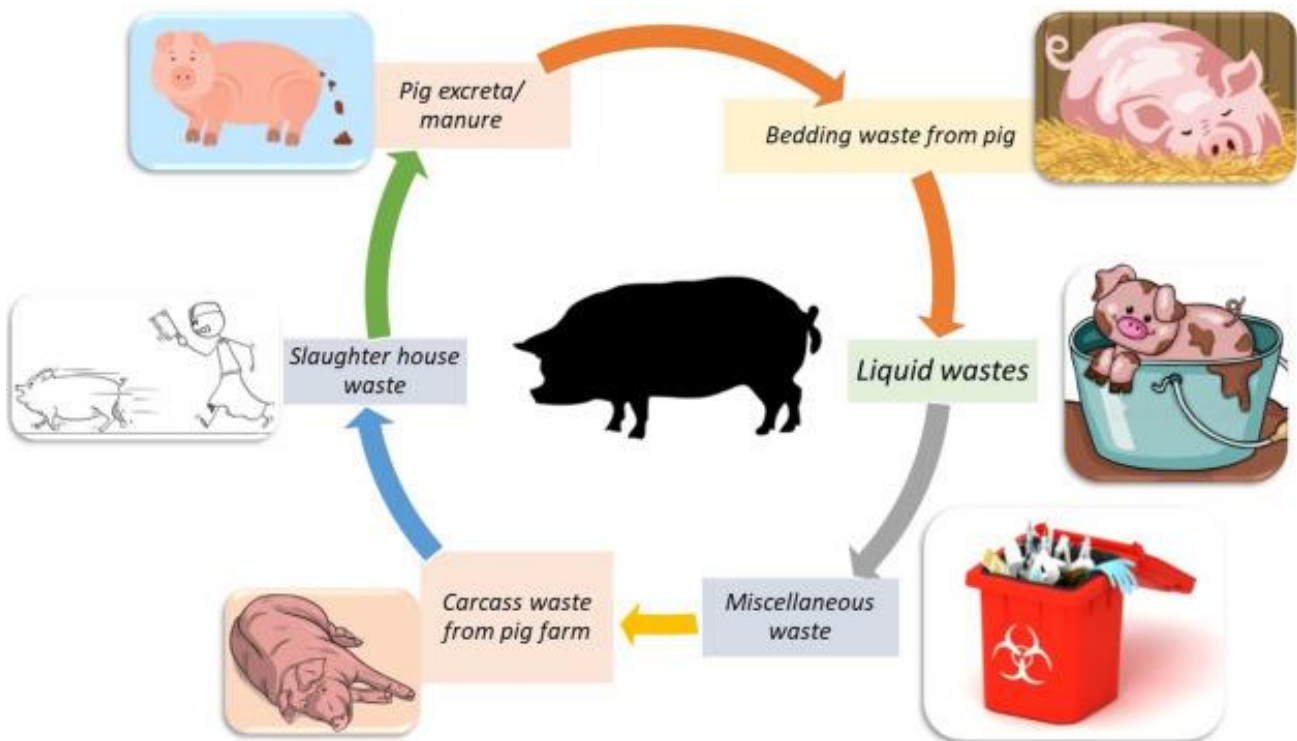
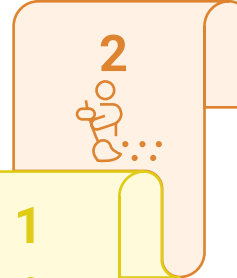


VII. Khamakhao Sāmathākhmi

Hokpai/khamakhao sākhamathā hili, hokpai kazip khavai akhur chuikakhui, pārtā khangasak kala khangatei apong eina mathāda kagazip la zanga

Hokpai lah khamakhao sāmathā khmi, maning akha hār sāda shikajin hina pollution mashok ngasak mana kala chiwui eina lan chungmeita tǎnkhuiyaiya

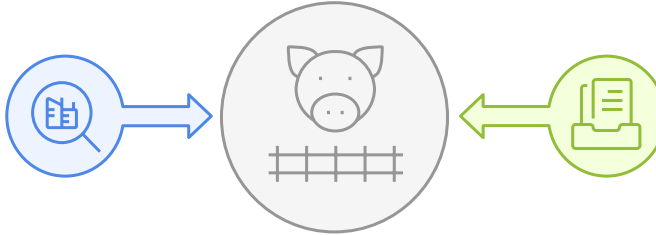
Tharda leingasak khavai hokpai lah khamakhao bing mathāda samathamichingra



VIII. Leih Kasã kala Khayor

Kathãda Yorngai Khala

Hok kharing eina yorrakã,
hoksã sãda yorrakã,
maningakha process
sãhailaga khayorna phamei
khala kaji theira. Yorkhavai
apam hi tãngwui leingapha,
supermarket lah sãshim li
yorkasang ngasãpai



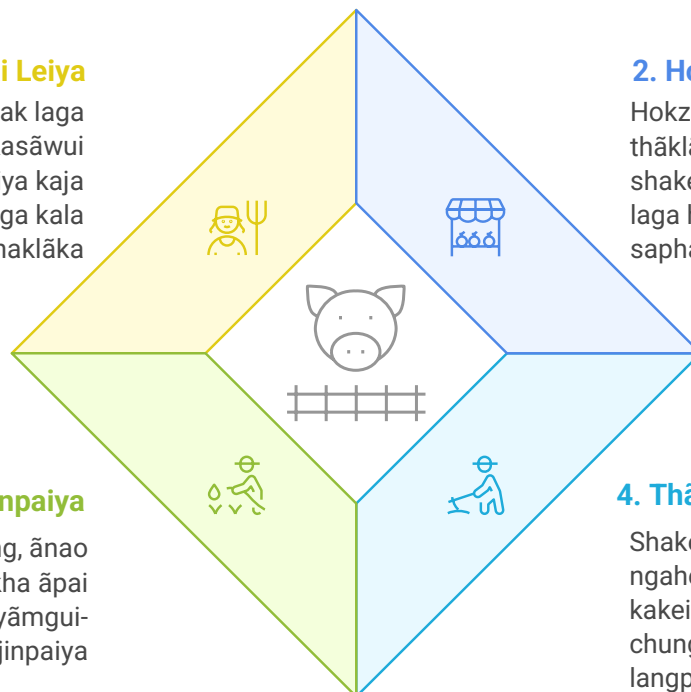
Ãman kãkhamei

Hok ãsa kãkhamei,
ari-arai makazang
hina hokwui ãman
kãmeida yorkhuida
chungmeida
tongkhui paiya

Hok Farm Kasãwui Kankhanã

1. Kachungkha Tongkhui Kapai Leiya

Mathãda ngarãnkazak laga
yangsang akha hok farm kasãwui
eina lan tarãkha tongkhuipaiya kaja
hok hi thãklãk eina haksanga kala
hoksã wui demand haklãka



2. Hokzãt Mathãda Mikazã

Hokzãt mathãda mizã akha,
thãklãk eina asã kãmeida,
shakei khangatei li ngaheo
laga hok hina sã chungmeida
saphangpai meiya

3. Apong Tarãkhali Shijinpaiya

Hok hi hoksã wui vãng, ãnao
pharã khavai maning akha ãpai
chi hãr semkhui da yãmgui-
yamkã li hãr sãda shijinpaiya

4. Thãklãk Eina Pheikhuipaiya

Shakei khangatei li
ngaheoyang lakha hok
kakeiwui eina lan
chungmeida
langpheikhuipai meiya.

Hok Farm Kasāli Kasak Khaleibing

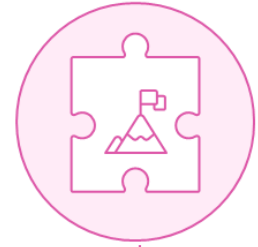
Hokmao Rākaza

Hok li kazāt tarākha rāzazār lāk-a, chiwui vāng khangahāli lan tarākha zangpaiya kala kashimān la shokpaiya



Environment li Sāza Kapai

Hokwui khamakhao kashokbing mathāda mayangsang akha china pollution shokta ithumwui environment li sāza kapai leiya



Hok Keikhavai Lan Kachishut

Hok farm kasem li, hokshim semkhavai, khutlai losang khavai, hokzāt losang khavai kala hoknao losang khavai lan darkār sāya.

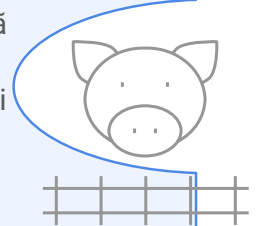


Ngalang kazang

Hok makazā khavai, hokzāt khawui kala sāmāthā khami hili atam ngalang tarākha zanga.

Akupilam

Hok farm kasā hi sāmān kala tongkhuipailāk kahai apong ākhana, kha athei khamathei/makhamathei kaji hi mathāda yangkasang, kashak kazā mathāda mikazā, hokshim mathāda semkhami, makazā khavai yangkasang kala khamakhao/hokpai mathāda horkhami/sāmāthā khami hiwui tungli leiya. Ngarān kazak-zak laga hok farm kasā hina pailāk eina ngalang pheikhui kapai apong ākhana. Hok kathada keira khala kaji atam-atamwui athi shurda kathei, hok makazā khavai mathāda yangkasang hi matailāk kahai ākhana.



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