



VETSMAG

RANVULH PUITU

April - June, 2018

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Editorial

**Kel chi tha hmanga ran vulhtute
dinhmun chawisan**

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Hrisel nan - Sa thianghlim

Dr. Mahminga Sailo
Waggin' Tails, Bawngkawn

World Veterinary Day pualin

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Keimahni :



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Editorial :

Pachhe kum tiam an tih angin kum tin hian tih tak zetin tan lak han tum leh phawt ila. Kan ram ah hian ranvulh tuten harsatna an tawh ber chu ran chaw hi a ni awm e. A vulh dan ah te, natna hri-ah te chuan buai chang chu a awm ve thin mahse, harsatna kan tawh lianber chu a chaw man to lutuk hi a ni. A chaw man hi tlawm thei deuh se chuan sa hi tun aiin a la tlawm thei deuhin a rinawm.

Ranchawa kan hman chi hi Mizorama chin ve theih loh awm chhun chu Wheat hi a ni mai awm e. Bawng chaw atan te, vawkchaw atan te wheat vai kan hmanga, wheat vai an control chungchangah thuneihna kan nei si lova. Duh hun hun ah a man an rawn san ringawt mai niin a lang. Ranchaw atana kan hman thildang erawhchu kan ramah a chin ve theih vek a ni. Buh, Vaimim, Chhawhchhi, Bekang te hi chin uar ta ila, wheat vai tel hauhlo pawhin ran chaw tha tak kan nei thei tho tih hi hriat a hun ta hle.

AH & Vety Department in Tanhril(Ramrikawn) ah ran chaw siam na khawl a bun a, chu khawla hman tur vaimin leh bekang te englai pawhin payment nghalin a lei duh a. Mizoram chhunga lei tur awm ang ang te chu lei a ni thin a, amaherawhchu lei tur awm a tlem thin avangin phai lam ami bawk lei a tul leh thin a ni. Kan thlai chin te hralhna tur a awmlo. A hralhna tur sawrkar in min ngaihtuah sak rawhse, kan ti thin a, a hralhna chiangsa, englai pawha lo payment thei kan neih ang chi thlai hi ching mai ila, a tha ni mai tur. Tin, Bawngchaw hnim hring ringawt pawh kan ramhmul awmsa ringin Bawng kan vulh a, chaw lakna tur hnaivai leh awlsam lai te mimal ram a nih vek avangin hnim hring ah pawh sum tam tak sen a lo ngai ta zel a. Chuvangin, ran chaw-a kan intodelh theih nan Vaimim, Buh leh Bekang te bakah hnim tha chi te chin uar hi kan tih tur awmchhun a nih a rinawm.



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KEL CHI THA HMANGA RANVULHTUTE DINHMUN
CHAWISAN

-Dr. Lalhraipuii1, Dr. Lalthansanga Khiangte2 &
Dr. Lalrempuii3

1- Scientist (Vety. Microbiology), ICAR, Mizoram Centre,
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Kam keuna : Kel hi India rama ranvulh zingah chuan a sa ei tam ber niin a hnute pawh an ei nasa hle. Sik leh sa inhlak danglam nasa tak leh leilung chhengchhe tak chawtha awm mumal lohna hmunah pawh tha takin a dam khawchhuak thei. Kel hnute hi a tha em em a, nausen hnute khamlo chawm nan phei chuan ran dangte hnute aiin a tha lawr lak a ni. Chuvangin Mirethei Bawng (Poor man's cow) tiin an sawi hial thin. India ramah hian kel chi hrang hrang 28 ziah luh tawh a niin la ziah luh loh tam tak a awm bawk. Mizoram leilungah chuan Assam Hill Goat leh Assam Hill Goat x beetal cross te hi hlawk taka vulh theih tura ngaih a ni.

Kel vulh thatna te:

- | | |
|---|--|
| 1) Ran dangte aiin a bul tanna tur sum mamawh zat a tlem bik. | mihringte thlai ei chi (buh leh bal) min eipui ve lem lo. |
| 2) Kel pangal leh bawngpui pakhat chaw mamawh zat a inhen tawk vel. | 4) Vawikhatah no neihah phir an hring fo a, Phir li lai te pawh an nei thei. |
| 3) Vawk leh ar angin | 5) An tuarchhel bik em avangin damlo enkawlna |



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- atana senso a tlem bik.
- 6) A hnute hi chawtha tak niin vitamin, mineral leh amino acid a kim hle.
- 7) A hnute tui hi cheese te, curd te leh thildang siam nan a tha hle bawk.
- 8) Kel vun hi thil hrang hrang siam nan a tha hle a ni.
- 9) Kel chi thenkhat sam/ hmul Pashmina te mohair te hi khawvel pumah pawh ngaihhlut a ni.
- 10) A zun leh ek hi leitha siam nan a tha em em a ni.
- 11) A sa ei hian eng sakhaw serh leh sang mah a nek ve lo bawk.
- 1) Hmun sang leh kanglang deuh, hmun huhil zung zung theihna.
- 2) Thing hmun deuh ni thei se a tha bik hle.
- 3) A in chu a thengthawin a eng tha tur a ni.
- 4) Kawngpui hnaiah a in sak loh tur.
- 5) A in chu a faiin a ro tha tur a ni a, chhuah chhawng zawngin, a hmunhma azirin lei hrulah emaw lei atanga 3 - 3.5 ft vela sangin emaw a sak theih a. Chhuat atanga a chung san zawng 220 cm (7ft vel) tur.
- 6) A nu, a note, a pa leh a pui rai lai te chu a hlawm hran theuhin dah tur.

**Kel in chungchang
hriattur pawimawh :**

A ran len zawng	Pakhat tana chhuat zau zawng (Sqm)	In khata khung tur chin (A tam berah)	Chhuat atang in chung san zawng (cm)	Chaw kuang zau zawng (cm)	Tui inna zau zawng (cm)
A note	0.5-1.0	20-25	220	30-35	3-5
A puitling	1.0-1.5	60	220	40-45	4-5
A rai lai leh no chawm lai	2.0	8-10	220	-do-	-do-
A pa	-do-	1	-do-	-do-	-do-



**Kel in zau zawng tur hisap
tlangpui:**

**A chaw pek dan tur leh
chaw tha:**

Kel hian ei tur dang a awm loh chuan hnime hnime engpawh deuh thaw an ei thei a. Lucerne, sorghum, vaimim, neem, wheat, buh etc. te hi an ngeih zual a ni.

A. Kelpui chaw pek dan:

- a. A chithlah tur tan tlatna hmun tha a awm loh chuan nikhatah kel pakhat tan concentrate feed 150-350 g.
- b. Rai tantir thla 4 thleng - chawtha awmna hmunah darkar 4 tal tlattir bakah nitin kel pakhatah hnime hring 5 kg tal pek belh bawk tur.
- c. A no neih hun tur thla khat a la awm tihah chawtha a mamawh nasa em em a. Darkar 4 tal thlah bakah concentrate 250 -350 g bakah hnime hring 7 Kg pek belh bawk tur.
- d. A no neih niah chuan chaw tlem te leh tuisik thianghlim tam tawk chhawpsak tur a ni. No a neih zighthah erawh chuan tui lum pip pep pek thung tur. Atir ni 5 vel chhung chu a nikhat tla tur kha tlem te tein vawi ruk vel pek ni se. Favai leh Vaimim a inzata pawlh hi, pek theih chuan, a tha hle a ni.
- e. A no chawm lai chu nikhatah darkar 6 tal thlah bakah hnime hring 10 kg emaw Concentrate 400g emaw pek belh bawk tur a ni.
- f. A nu rai lem lo chu nitin tlat chhuahtir a tawk mai. Eitur a van lai chuan concentrate 150-200 g pek tel a tha.
- B. A pa chithlahtu: A nu rual zingah thlah ve mai tur a ni a. A hrampaa chaw pek duh chuan concentrate mixture - Oat 600g, Vaimim 100g leh Wheat 100g pek a tha.



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C. Kel note chaw pek dan:

Upat lam (ni)	A pui hnute	A note chaw (gm)	Hnim hring(gm)
1-3	Colostrum-300 ml, vawi 3	-	-
4-14	350ml, vawi 3	-	-
15-30	350ml, vawi 3	Tlem	Tlem
31-60	400ml, vawi 2	100-150	Duh zat
61-90	200ml, vawi 2	200-250	Duh zat

Chithlah lam:

Chithlah puntir tur chuan a nu hur hriat a pawimawh hle. A nu hi thla 7 velah a hur tan thei. A hur hriat awlsam dan - serh sen tai hlar, mei vai reng, phi chung, chaw ei tlem, be deuh reng, hnute tui tlem that, zung sek, serh lian, kel dang an bawh ut ut thin a, anmahni pawhin bawh an duh bawk. Darkar 36 chhung a hur tlangpui a, ni 19 danah a hur nawn thin. A rai hun chhung hi ni 145 - 150. No neih pangngaia a neih chuan ni 45 hnuah a pawltir leh theih nghal thin. A pa hian thla 10 velah a nu a pawl thei tan a, kum 2 - 2 1 / 2 hi a vanglai tak hun a ni. A pa hian kum 8 - 10 thleng chi a thlah thei a. A tlangpuiin kel hi kum 12 vel thleng a dam thei. A rai hriat dan - hur a tawp, dul puar, chemical test (1% Barium Chloride Sol.)

Hriselna lam:

Kel hrisel pangngaiah chuan a taksa lum dan pangngai 102.5oF(39.1oC) leh a mar phu ran zawng 70 - 80/minute a ni tur a ni.



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Kel hri danna (Vaccine) pek hun :

Month	A natna ven theih	Vaccine
February	Enterotoxemia	Multicomponent
June	FMD	Polyvalent
July	Haemorrhagic Septicaemia	Oil adjuvant
September	Pox	Pox vaccine
December	Enterotoxaemia	Multicomponent clostridia

Kel natna langsar zual tlemte leh a ven dan:

Natna hming	Nat dan	Vendan
Foot and Mouth Disease (A ke na hri)	Khawsik, ka leh ketin kar pan, chilthli tla duah duah, kal hlei thei lo.	Thla 3-a upa a nihin vaccine pek tan a, a hnu thla 6 kar dan apiangin pek nawn leh ziah tur
Goat pox (kel phar)	Khawsik, mittui leh hnaptui, thawhah, hmull to tlemla lai vunah pan.	Kum tin vaccine pek
Brucellosis	No neih tepe nau chhiat, rai thei lo, ruh chuktuah vung, a pa til vung	A note thi leh a hlam zawng zawng uluk taka phum bo tur. Kutkawr bun ngei ngei tur, mihringin a kai chhawn theih avangin.
Mastitis	Hnute vung luah, hnute danglam	In leh a vel bakah a hnute antiseptic solution hmanga silfai



Hriselnan - Sa thianghlim

*Dr. Mahminga Sailo
Waggin' Tails, Bawngkawn*

Mizote leh sa

Kan pi leh pute atangin Mizote hi sa ngaina leh ngaihlu tak kan ni awm e. Kut leh hunpui lawmnna sa hmeh ngeia ruaitheh kan tum ang bawkin thiantha duhsaknan te pawh sa kan inhlui ngei thin. Ran lu kim meuha ruai buatsaih thei phei chu vantlang chunglama leng emaw chhungkaw khawsa thei tak an ni thin.

Kan khawsakphung a changkang chhovin sa pawh kan ei zing ta viau a; amaherawhchu, sa ei tur kan sawngbawl dan erawh chuan hma a sawn thui lutuk lem lo! Kum tam a la ral lo, ramsa kah emaw thanga awh sa chu sawi loh, sa-tlaw chhar phei chu nihlawh hle-ah kan ngai thin a; a thih chhan pawisa lovin sa nam deuh tawh pawh a la nasat loh chuan a rep tala ei duh kan ni tlat a.

Hei vang hi nge ni, tun thleng hian Aizawl leh khawpui dangah ngei pawh sa kan talh dan leh kan

sawngbawl dan hian kan khawsak changkanna a um phak lo hle mai.

Chaw tha - Sa

Sa hian kan taksa mamawh chaw tha hrang hrang a pai kim hle mai. Taksa thanlenna leh inrelbawlna kawng hrang hranga tanpuitu tangkai tak an ni. Kan taksa mamawh chawtha hrang hrang an pai avangin hnam changkang apiangin sa an ei nasa a, ei dan leh ei tawk an thiam thung. Fiamthu titiha, 'lu hai chhalh khawpa' Pathianni tuka vawksa han ei kher te leh chaw ei khawm a



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nih tak avanga puar el euh mai a, 'dul hmul khat phuara' han ei kher te hi mi tam zawkin kan tum leh kan tih thin a ni tlat si a.

Chaw tha kan ei rualin, kan mamawh aia tam kan ei thin hian taksa tana a thatna lam aiin chhiatna a thlen thei tho tih erawh kan hriat a tha, hun lo takah ei leh in insum a ngai leh thin. Chuvangin a tawk te, kan taksa mamawh tawka sa thianghlim leh hrisel kan ei thiam a tul.

Sa kan talh leh kan lei dan

Kan sa talh dan hi kan sawi ta zauh zauh mai. Vengkhat kawngkawi rem lai deuha dawhkan huala an lo din khawm tiau tiau tawh hi chuan vawksa lei tur an ni deuh zel mai a. Vawksa sahna leng tawk dawhkan, silfai ngei lem loh, tual chara hun thin, a hmingin lehkhakhwng an phah chungah kan sa duh ber an han sat siah siah mai a. Sah sual palha sa hrang leia han per zauh a awmpawn, an tuai nawk nawk a, an duhtawk mai a.

Chutah, sa leitu lahin sa han sil uluk viau khan sil dak hlauvin an sil puat bawk sia. Sa thianghlim tak a ni ang em, kan sa ei hi?

Sawrkar leh Vety department hmalaknain Aizawl khawpui hmun thenkhatah sa talhna in (slaughter house) changtlung tak din a nih rualin, kan sa ei zaa sawmthum pawh he sa talhna inah hian talh a ni kher lo mai thei a. Sum tam tak senga sawrkarin hma a lakna hi mipuiin tangkai zawka kan hman theihnan Vety department pawh hian tangkai zawk hman theihnan hma la se, a duhawm hle mai.

Ran enkawlna

Sa hrisel ei tur chuan kan ranvulhte an hrisel a ngai. Vawksa hi kan sa ei tam leh duh ber a nih vangin kan sawi lo thei lova. Vawksa duh viau e ti lo hian vawk vulh tam zawkin vawk in kan sak dan en hian kan uluk lem lo. Ren hlui



khawnkhawma khawrpum mai duh tawk, vawk tawlthluk leh tlakhawlh palh hlauhawm tak tak a awm fo mai. Ka tawng tu huat lovah, a sa kan duh leh sum hlawm hmuhna awlsam viau e ti lo hian an chenna leh kan enkawl dan erawh kan namnul mah mah niin a lang. Hma erawh kan sawn zel.

Ran hriselna

Kan ranvulh an hrisel loh hlau em em hlawm siin, hridanna pek chungchangah erawh kan tuan a fum leh thin. Kum eng emaw kalta atang phei chuan India ram hmun danga vawk natna awm ngai lem lo, vawk pul hri (swine fever / hog cholera) leh vawk hritlang leh ching natna (PRRS) vangin nipui a thlen apiangin vawk tam tak an thi thin a, a uiawm takzet a ni.

A bik takin vawk pul hri phei hi chu hridanna pek tur a awm avangin, vawk note hridanna pek rual an nih chuan, pek ngei a him. Tin, tlang hrileng laka an taksa a

him theihnan an taksa hriselna tanpui thei tur damdawi leh chawtha pe thin ila. Ran emaw mihring pawh ni se, tlang hrileng kai hma reng reng, taksa hriselna pan leh taksa ralveng chaklo an ni fo thin si a. Tin, damdawi pek chungchangah pawh mahni rin thu leh midangte tihdan anga enkawl theih chin awm tho mah se, a tul anga mi thiamte rawn hi ching chho zel ang u.

Sa hrisel leh thianghlim

Ranvulh puilting tawh, hralh theih mai tur, tlang hrileng vanga an han nguai hian, tihral mai tur nge enkawl dam vel leha hralh tur tih hi a vulhtu tan chuan ngaihtuah tham tak a ni ngei ang. Kan ran dam chiang lo, hralhna sum tela, midang hriselna atana hlauhawm thei sa lei tir hi a Mizo lovin, a Kristian lem lo. Ran hrisel lo sa kan hralh ngei kha, kan ei atan kan duh ang em tih inzawh chian fo a tha awm e.



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Tin, ran damlo, damdawi hmanga enkawl tawh chungchang hi sawi thui ta ila. Damdawi, natna hrik hlo (antibiotic) a ni emaw, nachhawkna emaw vitamin lam pawh ni se, taksaah damdawi hian cham hun chhung an neih avangin, ran damlo enkawlna damdawi kan hman azirin taksa atanga damdawi leh a kaihhnawih pailchhuah zawh a nih hmaa sa kan ei hian, heng damdawi ekchhia hian kan taksaah harsatna dang an thlen thei. Ran damlo enkawl tawh sa kan ei atanga hun reiloteah damdawi ekchhia hnathawk lang chhuak kher lo mah se, zawi zawiin taksa chhungah chhiatna an thlen theih avangin, fimkhur a ngai viau.

Sa kan la ei tlem!

Sa duh viau e ti lovin, Mizo hian sa kan lo ei tam hauh lo! Economic survey of Mizoram 2016-17 -a tarlan danin, kum 2014-15 khan Sa (Bawng, Vawk, Lawi, Kel, Ar)

tonnes 10,856 vel ei ral ang niin, heng kan sa ei zinga zaa 56.19 hi vawksa, Bawngsa zaa 29.94 niin, Arsa chu zaa 13.33 a ni. Mi pakhatin taksa hriselnana sa thianghlim a ei tur tawk bithliahtu Indian Council of Medical Research (ICMR) -in kum khata Mizoram sa ei tur tonnes 14543 a beisei laiin, kum 2014-15 chhunga Mizorama sa kan ei erawh tonnes 12525 vel niin, tonnes 2018 laiin kan sa ei tur kan ei phak lo a nih chu!

Chuvangin, sa thianghlim, hrisel leh tuihnai, kan taksa mamawh tawk ei tumin hnathawk ila. Pathianni tuka a chhawih khawpa vawksa ei ngheng ai chuan, kan taksa mamawh tawk eiin, ran vulhtuten ran hrisel vulh pung zelin, sa talhtute pawn thianghlim leh felfai zawkin sa thianghlim lei tur nei zel se. Kan hrisel zawnan, sa thianghlim i ei zel ang u.



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WORLD VETERINARY DAY PUALIN LE

By

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World Veterinary Association (WVA) chuan kum 2000 atang khan World Veterinary Day (WVD) hi kumtin hmang thinin, April thla inrinni hnuhnung ber apiang hi "World Veterinary Day" ni atan a lo thlang ta a ni. Kumin ah pawh hian 28th April, 2018 hi World Veterinary Day atan an puang a, thupui atan "The role of Veterinary Profession in Sustainable Development to improve livelihood, food security and safety" tih chu thlan a ni a, he thupui hi WVA leh World Organisation for Animal Health (OIE) ten an thlang ani.

Khawvela mihring cheng tam zawk te eizawnna bul ber chu kut hnathawh a ni a, an zinga mi tam tak te hi ran vulh a eizawngtute an ni a, ei leh bar an hmu hna leh an nun khawchhuahna bul ber chu ran vulh a ni. Tin, lo neia kuthnathawktute pawn in lamah ran tlem azawng chu an vulh tel tlangpui thin a, lo leh huan thlai a hlawhchhamna an lo neih changin heng an ran vulhte atang hian sum tlema zawng an lo neih theih phah thin a ni. Tin, an ran vulhte ek hi

an lo leh huan thlai atan leitha a lo ni ve zel bawk a, ran hi lei leh nan te leh thil phurtu tangkai tak atan an hmang tel thin a, chuvangin kut hnathawk a eizawngte tan chuan ran vulh tel hi an tan a tangkaiin a pawimawh em em a ni

Mithiam te chhut danin kum 2050 ah chuan khawvel a mihring pun zat tur chu tluklehdingawn 9.7 bawr vel ni tura chhut a ni a. Heng mihring zozaïin hnianghnar taka chaw tha (Protein) an hmu hmu na tur atan chuan kan ran vulh te kan tihpuna, kan tih hrisel



lehzual a ngai dawn ta a ni. Ran atanga chawtha (Protein) tinreng - Sa, artui leh bawngnute leh heng kan sawi tak atanga siam chhuah chaw tha chi hrang hrangte (entirnan - Meat ball, sausage, dohi, lassi, paneer leh a dang tam takte) hi mihring thiamna lo sang chho zel avang leh lo changkan chhoh zel avangin, chaw tha leh thianghlim an mamawhna leh duhna hi a pung chho mek zel bawk a. Heng te avang tak hian mihring hrisel taka kan lo awm theih nan chuan sa, artui leh bawngnute thianghlim leh tuihnai tak, hnianghnar taka kan neih chhoh zel hi a tul ta em em a ni. Heng kan sawi tak ei tur tha leh thianghlim kan neih theihna tur atan chuan kan ran vulhte a hrisel tha tur ani. Chuvangin sa thianghlim leh hrisel kan neih theihna tur atan chuan Veterinary Doctor te an pawimawhin an mawphurhna a sang em em ani.

Veterinary lam thiamna (Veterinary Profession) hian a huam zau em em mai a. Hetia han ngaituaha ran damlo enkawl thintu nihna piah lama an hna lian tak leh ropui em em chu kut

hnathawktute nun khaw chhuahna, an eizawnna bul ber leh an lo dinchhuahna bulpuw pawimawh tak an nihna hi a ni. A thar chhuah lam (Production) hi nasa lehzualin Veterinary lam thiamna hian a keng tel a, hlawk zawk leh nasa zawka thar chhuah lam hi kan uar chuan kan ram sum leh pai dinhmun (economy) hi a sawi ngihing ngei ngei dawn a ni. Tin, a sa eitur atana ran vulh piah lamah, Factory lian tak tak dina sa leh bawngnute atanga eitur chi hrang hrang siam chhuahte leh ran vun atanga thawmhnaw leh hmanraw dang siam chhuahte Veterinary lam thiamna hian a keng tel bawk a, tichuan, heng zawng zawngte hian kan nitin nun khawsakna lo tithangin a lo tihianghnar dawn a ni. Veterinary lam thiamna hian a tum ber chu kan ran vulhte dam leh hrisel taka lo thanlentira, kan ran vulhte damlo hman lova, natna kai lo leh hrileng veilo a enkawl a, kan nitin sum hnar lo tihpun sak zeltu zawk a nihna hi a ni. (ran damlo enkawltu nih mai bakah). Chu tak chu "Sustaining development in livelihood" kan tih chu a ni. Kan ran te an lo hrisel that chuan kan



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nitin sum lut a lo in sawi danglam
ngei ngei dawn a lo ni.

American Veterinary Medical Association (AVMA) chuan "Global Food Security Summit" chu 9-11 February, 2017 khan Washington, D.C ah neiin ei leh bar hnianghnar kan neih theihna tura bul tumtu pakhat chu Veterinary lam thiamna hman tangkai hi a ni a ti.

Mithiam ten "From farm to fork" tih thu an lo hmang thin a, a awmzia chu ei tur bul lo intanna (huan /farm) atanga a eitu tur chaweidawhkan (dinning table) a thlen tleng hi "From farm to fork" emaw "Food chain" tiin an sawi bawk thin a ni. (Entiran: Farmah - Sa talhna ah - Sa talh sawngbawlnaah - Sa zawrhnaah - Inah chaweidawhkanah) Heng ah te hian thianghlim tak leh fimkhur taka kan chet a tul em em a ni.

"Food safety" chu science thiamna hmanga ei tur chi hrang hrang kan hriselna atana sawngbawl emaw siam leh vawnthat a, natna chi hrang hrang laka kan taksa venhim hi a ni. Kan chaw ei leh sa eite, kan thil ei hrim

hrim in kan taksa tan natna min thlen dawn lo a ni tih kan hriatchiansa na kha food safety chu a ni.

Kan ei leh in thianghlim tawk loh avangin natna chi hrang hrang kan kai thei a, chungte chuan thihna hial te pawh min thlen thei a ni. Kan ei leh in avanga natna kan lo kai hian Food poisoning tiin kan sawi thin a ni. Food poisoning hi ram changkang apiangah a tlem a, ram thanglai (developing countries) ah a tam deuh bik. Mithiamten Food poisoning hi 100% a venhim theih an ti tlat thung. Kum 1983 khan International Convention Joint Meeting chu Food and Agriculture Organization of the United Nations (FAO) leh World Health Organization (WHO) ten neiin thu tlukna an siama, "Ei leh in bawhlawh leh thianghlim tawk lo atanga natna kan kai hi natna darh zau leh harsatna khawvel pum huap anga mipuiin kan tawn mek leh kan ram sum leh pai (economy) dinhmun nghawng thei thil leh tlak chhiatna bulpui ber te zinga pakhat a ni" tiin thu



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an lo tithlu a ni. Kum 2000 khan World Health Assembly, the supreme governing body of WHO, chuan resolution pass in Food safety hi Mipui Hriselna (Public Health function) pawimawh lutuk a ni tih a lo puang ta hial a ni.

Ei tur tibawlhawh thintu 4 te:-

- 1) Natna hrik chi hrang hrangte (Microorganisms - Food poisoning)
- 2) Bal leh bawlhhawh (Physical - taksa min tina/ hliam thintu)
- 3) Bawlholoh tur, (Chemical-Poisoning), taksa a damdawi chambang (Antibiotic residue)
- 4) Eisual (Allergenic) te an ni.

Ei tur him leh him loh chungchangah heng - a landante, a rim atangte leh eichhin ringawtah te hian kan in nhat tur a ni lo. Food poisoning nei turin darkar $\frac{1}{2}$ atanga kar 6 lai pawh a ni thei.

A tlangpuiin foodborne natna vei hma zual bikte chunausente, nu naupailaite, naupang leh tar chaklo te leh damlo leh

natna khuma mu mek taksa chaklo hrim hrim te an ni bik .

Dietary Guidelines (2005) in Ei leh in hrisel neihna tura thuruk 5 (five "Key Recommendations" for food safety)a siam a, chungte chu:-

Recommendation 1:
FAINA (CLEAN) : Kan kut te, ei tur, thlai leh thei te, chemte, bungbel leh bawlholoh te fai taka sil thin bawk tur a ni. Kut kan silin sahbawn hnawih a uluk taka second 20 nuai hnuah tui a fai taka tleuh tur ani. Kut sil hun tur pawimawh zualte chu : Inthiar zawah, naute zun leh ek / diaper thlakzawah, ran zun leh ek then zawhin, ei leh in tur khawih dawnin, pem emaw pan khawih dawn leh khawih zawhin. Kumtinin 15th Oct hi Khawvel pum huapa kut silfaina ni (Global hand washing Day) atan an puang hial a ni.

Recommendation 2: DAH HRAN (SEPARATE): Bazarna, Ei tur sawngbawlna emaw dahthatna ah te thil hel, eitur hminsa leh sawngbawl loh a ei mai theihte (ready-to-eat foods) dah hran vek tur a ni.



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Khawih pawlh emaw dah pawlh
loh hram tur ani.

Recommendation 3: CHHUM HMIN (COOK) : Ei tur chhum leh sawngbawl te natna hrik (Microorganisms) ti hlum/that thei tur a hmin taka chhum thin tur ani.

Recommendation 4: DAH VAWH/VUR (CHILL) : Thlai leh thei chhetheite dah vawh (refrigerate) / vur tur a ni a, uluk leh fimkhur taka lakchhauh leh tur a ni. Natna hrik (bacteria) inpuntir chak em em hunte chu degree 40 and 140 degrees F te hi a ni a, "Danger zone temperature" an ti a, a hlauhawm em em a ni !!!!!

Darkar 2 Dan thupek chu
(The TWO-hour rule) : Ei tur chhe thei thil (Perishable foods) te chu darkar 2 chhungin dah vawh tur a ni.

Recommendation 5: HNAR NGAM RAWH PUMPELH RAWH (AVOID): Entiran - Bawngnute chhuanso loh, artui hel emaw/ artui hminlova chhum/kan (fry) emaw eitura artui hel telhna, sa hel leh hminlo te Theitui thianghlimlo)

leh a dangte reng reng hi kan hnar ngam tur a ni.

Thil pawimawh em em mai pakhat chu HACCP (Hazards Analysis Critical Control Point) tiñ kan sawi thin a, chu chu mumal deuh a food safety kan neih theih nana induanlawkna a ni a, natna hrik chi hrang hrang lakah te, chemical leh tur hlauhawm tak tak lakah te leh thil bal leh bawlhhawh kan chaw leh sa a a lo kai tur lakah venghima, chaw tha leh thianghlim kan lo neih theih nana lo induan lawkna leh lo venhim lawkna a ni. He HACCP hi food chain hrang hrang ah a hman theih a. Chaw siam, pack, label, semchuahna ah a hman vek theih a ni.

Kum 2006 atang khan mipui ten ei leh bar thianghlim leh hrisel zawk kan neih theih nan India ram chuan Food Safety and Standards Act 2006 hnuaiah "The Food Safety and Standards Authority of India" (FSSAI) a din a. FSSAI chu science thiamna hmanga eitur reng reng sawngbawl na, dahthatna, semdarhna, zawrhna leh mihring tana him tura dan leh thupek ken



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kawhna hi a ni. New Delhi ah headquarter awmin Regional offices 5 a nei a (Delhi, Guwahati, Mumbai, Kolkata and Chennaiah te), Referral laboratories 4 leh Local laboratories 72 a nei bawk a ni. FSSAI hian Logo felfai tak neiin, he logo hi thil siam reng reng ah bel / hman tura a ni. Ei leh intur reng reng an phalna lovin tuman an siamin an hrall thiang lo a ni.

A tawpna atan chuan khing a chunga kan sawi tak zawng zawngte khi kan zawm that chuan kan ran te leh keimahni kan lo hrisel ang a, tunlaia khawvel in a buaipui em em hriselna hmun khat "One

Health" programme ti hlawhtling tu pakhat kan lo ni dawn a ni.

Kan ran vulhte an lo hrisel chuan kan thar chhuah a lo tam ang a, chu chuan ei leh bar ah hnianghnarna min thlen ang a, tichuan mihring khawsak a lo awlsam ang a, kan ram sum leh pai dinhmun (economy) a lo ti danglam ang a, a tawpah chuan ram hmasawnna tluantling-eizawnaah te, ei leh bara hnianghnarna ah te leh eitur hrisel leh him kan neihna kawngah Veterinary lamthiamna hmangin nasa tak leh tangkai takin kan ramin hma a sawn ngei ngei dawn a lo ni. Ka lawm e.



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TRANSFER & POSTING

SI No.	Name	Designation	Place of Posting
1	Dr.Zohlimpuia	VO(VE)	Directorate

Promotion From Jr.Grade to Sr.Grade MAH&VS

SI No	Name	Posting	Sr.Grade (MAH&VS)
1	Dr.C.Lalzuitluanga	CVO Chawngte	1.6.2018
2	Dr.P.C.Lalrokima	CVO Mamit	1.6.2018

Promotion from JVEO to L/S

SI No	Name	Posting	L/S
1	B.Zuiliana	DVO Kolasib	31.5.2018
2	C.Pakunga	DVO Lunglei	31.5.2018
3	C.Ngochu	DVO Saiha	31.5.2018

OBITUARY

Kum 2018 April - June inkar a Animal Husbandry & Veterinary Department hnuai a chatuan ram min pan san ta te:-

1. Johny Lalremruata (VFA RAHC Hortoki) Thihni 5.4.2018 - Johny Lalremruata Hnialum hi 10.10.2013 ah VFA hna RAH Center Khawrihnim, Mamit District ah a zawm a. Ni 28.1.2015 ah Kanghmun ah transfer a ni leh a. Ni 10.8.2016 ah RAH Center Hortoki, Kolasib District ah transfer leh in a awmna hmun hrang hrang ah VFA hna thahnem ngaitak a thawk in, a boral ni thleng hian RAH Center Hortoki ah hian a thawk a ni.

2. David Lalnunpuia (VFA RAHC Bunghmun) Thihni 6.5.2018 - David Lalnunpuia hi Ni 11.2.2008 khan Animal Husbandry & Veterinary Department VFA hna Vety Dispensary Kawnpuia ah a thawk tan a. Ni 12.2.2009 ah Vety Dispensary Khawbung South ah sawn in, Ni 28.5.2013 ah RAH Center Bunghmun, Tlabung Sub-Division ah sawn leh in, a thihni thleng in Bunghmun ah a thawk a ni.



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3. Sangthanga Ralte (VFA RAHC Hmuifang) Thihni 19.5.2018 -
Sangthanga Ralte hi Ni.18.12.1990 khan RAH Center Republic ah VFA in a lut a. Ni 16.2.1999 ah RAH Center Chanmari West ah sawn a ni. Ni 20.11.1999 ah RAH Center Phairuangkai ah sawn leh in, Ni 10.7.2000 ah State Vety Hospital Aizawl ah a awm leh a, Ni 8.5.2008 ah Farkawn RAH Center ah sawn a ni. Ni 2.6.2016 ah RAH Center Lawipu ah sawn lehin, Ni 7.6.2016 atangin RAH Center Hmuifang ah a boral ni thleng in a thawk a ni.

4.Lallawmzuali Colney (LDC Directorate) Thihni 26.6.2018 -
Lallawmzuali Colney hi Ni 12.12.1990 ah Veterinary Department ah a lut a, Dairy Development Zemabawkah post hmasa ber in, kum 1993 ah Dairy Development leh Directorate chu an in chhungkhawm tak avangin, a boral ni thleng hian Directorate ah a thawk a ni.

Dr.Saingura Sailo MAH&VS Director

Dr.Saingura Sailo hi Ni 5.12.1979 ah Animal Husbandry & Veterinary Department ah thawk tanin, Ni 6.6.1983 ah Promotion hmu in (Grade-IV) ah kai chho a, promotion hmu chho zel in Ni 1.3.2016 ah (Grade-I) kai chho leh in Director hna hi kum 3 chhung a chelh a ni. Ni 31.5.2018 khan Superannuation Pension (Supertime Grade) in a chhuak a, Officers & Staff Welfare Directorate te chuan Selesih Rest House ah thlahna hun an hmang.

Dr.Hmarkunga Addl.Director(AH&DD) in Director charge la.

Dr.Hmarkunga hi Ni 1.3.1983 khan Animal Husbandry & Veterinary Department ah thawk tanin, Ni 8.5.2018 ah Selection Grade ah a kaisang a, Ni 1.6.2018 atang khan Director charge a la ani.