

Editorial

Krismas leh Kumthar hun a lo thlen hian mizoten kan hunpui neih hlim tak leh ropui taka hman ka duh thin a, Kum tluanin mahni hmazawn teuhah rim takin hna kan thawk a, hmun danga eizawng leh zirilaite pawn remchana in siamin mahni inlamah chhungte nen he hunpui hmang tur hian haw teuh kan tum thin a, dam taka chhungte nena heng hun hman ho tluka hlu a awm lo. Mizote bakah hnamdang a bik takin krismas lawm thin kristiante chuan he hun hi kan serh uluk leh zual thin ani. Hetianga hun kan hman hian in tihhlirman chaw eikhawm leh ruai kilho ten hun kan hmang bawk thin a, ram a lo changkang zela hunpui ruai kan thehdan te pawh a inthlak hret hret tawh a, mizo ten ruai kan theh thin a huhoa kan kil thin ang kha hmun tam zawkah chuan mahni a ei theih turin thleng hran te teah kan ei ta zawk a, hengte hi changkanna leh hmansawnaah ngaiin hriselna kawngah pawh hmasawna min siam tu a ni baw, kan ran talh tur te pawh a hma daiha hauh lawkin ran hrisel tha tak uluk taka enkawl ngei te chauh kan duh thin a, kan sa eitur mai bakah kan thlai eiturte pawh kan in hmakhua nasa thin a ni. Tun hnaia ASF hri lengin Mizorama kan vawkvulh a sing tel teh meuhin min suata, chutichung chuan hunpui atan kohhranin vawk leitur neilo kan awm awm hriat a ni lo, Bawng erawh ramdang atanga lak thin anih avangin harsatna kan neilo baw a, Arsa nise kan intodelh viau niin a hriat, Mamawh huna bazara sa leitur han awm mai thin te hi hun kal tawha inrinni chauha leitur awm thin kha a ni a, khang hunlaite ngaihtuah chuan hma kan hmasawna leh kan intodelhna lan tir tu pawimawh tak ani. Sorkarin Bana Kaih Scheme tha tak mai a kalpui chhoh mek te hian Farm lian tak tak siam nan hman nise, kan sa tharchhuah pawh a tam leh zualin a rinawm, Ar, Vaw, leh Bawng mai bakah Kel vulhna tura Farm siam tum te pawh an awm nuala chu chuan a rampum thliriin sa lama kan intodelhna tura ke pen chhuahna pawimawh tak tur ani, lo hlawhtling chho ngei se a lawmawm hle ang, Kum thar kan lo chuangkai leh turah hian ranvulh tuten rilru thar nen thahnemngaitakin mahni zawn teuhah hna thawk leh turin duhsakna kanin hlan baw e.

AR A VITAMIN LEH MINERAL TLAKCHHAM NATNA

*Dr Lalsangpuii, Dr Malsawmkima & Dr Laltlankimi
Assistant Professor, CoVSc & AH, CAU (I), Jalukie, Nagaland*

Poland rama Scientist Casimir Funk chuan kum 1900s chho bawr vel khan vitamin tih tawngkam hi thumal 2 belhkhawm -vita, Latin tawngin “life,” tih leh amine, amino acids. “atanga la chhuakin Vitamin tiin a phuah a, a awmzia ber chu taksa in chaw tha, tihrawl siam nan te, tha tih chak nan te, thisen siam nan te, mit var nan te, vun hrisel nan te, ruh chak nan te, thisen khal lova awn tir theih na te, hliam dam leh zung zung nan te a a hman ho te hi an ni.

Ar hi mizo zingah chuan kan vulh nasat ber pawl leh eizawmna atan pawha kan hman ber ani ti ila kan sawi sual awm lo ve. Ar farm tam tak a awm a, chungah te chuan heng vitamin tlakchham avanga natna lo thleng te hian harsatna a thlen nasa thin em em a, chuvangin ar vulh tu ten kan hriat atan chung natna tlanglawn leh a lanchhuah dan hrang² te chu lo sawi dawn ila.

A hmasa berah chuan vitamin hi chi hnihin kan then thei anga, chungte chu

1. Water soluble (tui a riral thei-taksa a in khawlkhawm ve theilo tihna ani a): heng ho hi vitamin B leh Vitamin C te an ni a. Vitamin B hnuaiah hian chi hrang hrang an awm leh a, chungte chu Vitamin B1, B2, B3, B5, B6, B7, B9, B12 te an ni.
2. Fat soluble vitamin kan tih te hi tuia riral velo mahse thaua riral thei te an ni a, chumai bakah thin ah leh taksa thau awm tamna laiah a inkhawlkhawm thei bawk a, chungte chu Vitamin A, D, E leh K te an ni.

A tlangpuiin tuia riral thei vitamin B complex tlakchham natna hi a lang hmasa zawk thin a, a chhan chu thaua vitamin awm ho fat soluble vitamin te hi chu a in khawlkhawm avangin a natna lanchhuah hun chhung hi a rei bik a ni.

Heng Vitamin B te hi ar in an tlakchham a an awmdan tlangpui chu

- ◆ Vitamin B1 emaw thiamine kan tih mai hi ani a, hei hian a hnathawh ber chu thahrui (nerve) a tichak a, he vitamin hi tlakchham anih chuan a tir lamah nguina leh lu khur angin a lang phawt a, a rei deuh hnu chuan tihrawl chakna te tlahniamin a bikin an nghawng a tihrawl te chu chaklo tial² in a pawt tawm ta a, chu chuan ar chu vanvadak in a awm tir a, a tlangpuiin kar 3 a upa a nghawng ber thin.
- ◆ Vitamin B2 emaw riboflavin tia kan sawi thin hi ani a, hei hian tha zam tuam tu tichhia in nerve (sciatic nerve) ati chhia a, chu chuan ke tang a ti tawm ta a, chu mai bakah ar tui laiah a tui a tlahniam in, a keu thei thin lova, a keu alo awm pawn an than te a thuanawp a, an ke te a tawi bikin an hmul te a to tha thei lo bawk a, an ke te a ti zeng bawk a, chuvangin kal an harsat thin ani.
- ◆ Vitamin B3 emaw Niacin hian vun leh hmul insiam nan a pui a, chuvangin an mamawh ang zat an hmuh loh emaw an tlakchham chuan an lu leh ke bawr vela hmul te a tlakawlh a, kar 2 a upa an nihin an lei a rawn dum a, an ka chhung leh an chaw kawng te vungin hei vang hian chaw an ei thei lova, tin ar tui laiah an tui a tlahniam bawk a, a tui chu a keu tha theilo bawk thin ani.
- ◆ Vitamin B5 emaw Pantothenic acid tia kan sawi thin hian tihrawl siamna kawngah apui a, chuvangin ar note leh ar thanglai tan a pawimawh em em a, heng vitamin te hi an tlakchham chuan taksa than a muanga, an hmul a insiam tha theilo a, an kephahah tichawr ang deuh a rawn insiam a, chu chuan an kal ati harsa thin.
- ◆ Vitamin B6 emaw pyridoxine hi taksa tihrawl siam nana pawimawh tak ani a, ar in a mamawh tawk a hmu lo anih chuan a bikin ar note ah an chaw ei te a tui lova, an than a thuanawp a, an chaklo

bawk a, an hmul te a thang muang in an dawldang a, an tihrawl a chaklo a, awmze nei lovin an tlan kual a, an thla te an zap vak vak a, a tawpah an tlu sawp thin. Natna hi tihtam vat anih loh chuan an ke khingkhat chu che thei lovin a awm a, a ke lehlam a ketang chu a kawm lut thin. Ar tui laiah chuan nasa takin an tui a tlahniam a, a tui keu kawngah harsatna nasa tak a siam a, an chaw lak a tlahniam a, thihna hial a thlen thei ani.

- ◆ Vitamin B7 emaw Biotin hi than nan, ruh insiam nan, inthlahpun nan leh an vun atan te a pawimawh em em a, he vitamin hian vitamin B5 nen inang thuakin natna an thlen a, mahse a danglam na chu vitamin B7 ah chuan an kal ah thau in a bawm a, an thin a dang bik bawk ani.
- ◆ Vitamin B9 emaw Folate hian timur (cell) inthlahpunna kawngah puiin chu chuan tihrawl te a siam a, an hmul insiam nan te a pui bawk a, tin thisen siamnan a tangkai

bawk ani, heng hi tlakchham anih chuan an lo dawldang a, an chhuang ah thil var mawm arawn awm a, an ka chhung te a dang bawk thin ani.

- ◆ Vitamin B12 emaw cyanocobalamine hi folic acid nen an hnathawh a inang tlangpui a, he vitamin hi an tlakchham erawh chuan ar thang laiah than a ti thuanawp a, chaw an thlah in an hmul insiam tur a ti chhia a, thahrui a ti chaklo tel bawk a, thau in an kal te, lung leh thin te a bawh bawk ani. Ar tui laiah chuan a tui te nasa takin a tet phah in an keu tha thei thinlo a ni.
- ◆ Fat soluble vitamin (Taksa a vitamin in khawl khawm ho) tlakchham vanga ar a harsatna awm thei te chu
- ◆ Vitamin A hi ar thanna atan te, mit tha hrui ti chak tu atan te, taksa chhunglam tuam tu siamtu atan te a pawimawh em em a. He vitamin hi ar in an lo tlakchham cuan an hmulte a lo pawr a, mit lamah harsatna lian tak a thlen a, mit

a ti rova, mit atangin tui hngang te lo chhuakin, a rei deuh phei cuan thil hngang var ban deuh thliar chu an mitah a tling khawm a, chu chuan an khaw hmuh a ti fiah lova, an mit te pawh a ti chhe hial thei ani. A dang lehah chuan an chaw kawng ah hnai bawh te reuh te te lo insiamin an chaw lakna kawngah harsatna lian tak a thlen bawh a ni. Chumai bakah Ar tui laia kan hmuh theih Chiang tak chu a tui ah thisen far (blood spot) ang lo awm hi a ni.

- ◆ Vitamin D hi ruh tih chak nan te, artui hawng siam tu mineral kan tih calcium leh phosphorus te siam nan a tangkai em em a, chuvangin vitamin D hi an tlakchham chuan ar note ah an than te a thuanawpin an ke te a chak lova, an kal tha thei lova, an hmuia nem in an ke tang te a nem bawh a, ar tui laia a hawng a ti dup a, ruh te ti mawihin ho te ah an ruhte a tliak awlsam em em ani.

◆ Vitamin E hi thluak lam hriseh nan te leh tihrawl insiam nan te a pawimawh em em a, heng hi an tlachham anih chuan thluak lamah harsatna te thlenin, taksa tihrawl ah harsatna te a thlen a, an awm leh thla hnuai te vungin an lung tuamtuh ah te tui a tling thin a, chu chu an thihpui thei hial ani.

◆ Vitamin K hi taksa pem leh inhliam nikhua a thisen chhuak ti tawp a ti khaltu ani a, heihi tlakchham anih chuan thisen chhuak hi a tawp thei lova, chu thisen hloh nasat avang chuan thihna hial a thlen thei a ni.

Heng kan sawi tak vitamin tlakchham ina a thlen natna zawng zawng te hi pumpeluh anih theih nan vitamin leh mineral mixture tha tak tak an chaw ah emaw an tui in tur ah pawlh mai tur a awm a, chung vitamin te chu a pek dan tur Veterinary Doctor te rawn chungin pek ni se heng tlakchham avanga natna te hi kan do hneh thei ngei ang.

VANTLANG HRISELNA LEH RAN DAKTAWR

Dr. C. Lalawmpuia

*MVSc (Veterinary Public Health & Epidemiology) Manager,
IAH&VTI, Lungpuizawl*

Ran daktawr te chu ran damlo enkawltu an ni a. Engvangin nge vantlang hriselna kawngah an inhnawm hrih ve ngawt ang? Mihring hriselna chungchangah an lo inrawlh ve a thianga em? Kan ram dan pawhin mipui hriselna chungchangah an lo inrawlh ve ngawt hi a phal em ni? Heng zawhna te hi zawhna awm tak tak vek a ni.

‘Zoonoses’ emaw ‘Zoonotic Diseases’ an ti a, a awmzia chu mihring leh ran inkara natna inkaichhawn theih tihna a ni. Natna chi hrang hrang te hi mihring leh ran te inkarah hian a inkaichhawn theih a. The Royal Society Publishing Journal, London ami te chuan mihring tana natna hrik hlauhawm chi hrang hrang 1415 (sangkhath zali sawmpanga) an zirchianna ah 868 (zariat sawmruk pariat) lai hi ran atanga mihringin a kai theih te an ni tih an sawi a. Chu chu za zela sawmruk pakhat (61%) lai

a ni. Chu mai chu a la ni lo va, an zirchianna natna chi hrang hrang 1415 atang khan ‘Emergency diseases’ 175 lai a awm a, natna hmuhchhuah thar ti ila a awlsam mai awm e. Heng natna 175 (za sawmsarih panga) atang hian 132 (chu chu za zela sawmsarih panga 75%) lai mai hi ran atanga mihring ten natna kan inkaichhawn theih niin an sawi. He zirchianna kan tarlan atang te hian a tira zawhna te kha engemaw chen chu a chhang nghal a tih theih ang.

World Health Organisation (WHO) te chuan ‘zoonoses’ pawimawhzia hria in ‘One Health’ tih programme lian pui mai an duang a. ‘One Health’ chu sector hrang hrang heng – health, animal husbandry & veterinary, environment leh a dangte thawkho-in mihring hrisel, ran hrisel, thing leh mau hrisel leh kan chhehvel boruak hrisel a lo awm chuan natna inkaichhawn theih

tam tak te hi kan pumpelth thei dawn a ni tih hria in nasa takin hma an la a. ‘WHO Emerging Disease Surveillance and Control Division’ an tih te chuan kan tarlan tak sector hrang hrang te hnenah hian ‘technical support’ leh ‘training’ a kalpui mek a ni. Hei mai bakah hian WHO, Food and Agriculture Organisation (FAO) leh World Organisation for Animal Health (OIE) te tangho ‘Tripartite’ an tih te chuan he zoonotic disease laka mihring kan lo him theih nan hma an la mek a ni.

Mihring lo pung zelin kan ram luah chin alo zau zela; chu chuan kan chenna tur in leh lo atan te, huan leh lo atan te leh thil siam chhuahna (industry) atan te ramngaw kan lo ti chereu a. Hei hian ramsa te leh mihringte chu inngheng rengin kan lo awm phah a. Chumi in a hrin chhuah chu ‘Emerging Zoonotic Diseases’ – a hma a kan la hmelhriat ngai loh mihringten ran leh ramsa atang te in kan lo kai ta a ni. Kan sik leh sa lo inthlak zel avang te, ran leh ransa atanga thil siam chi hrang hrang atanga sumdawwna

lo thang ta vak te, mihringte leh ram a lo changkan ang zela kan chhungkua-a ran kan lak luh nasat avang te in heng natna te hi a lo hluar ta em em a ni.

‘Zoonotic diseases’ – Mihring leh ran natna inkaichhawn theih entirna han tarlang ila.

- a) Rabies (Ui a hri): Kan ui vulh duat lai em em te khan he ui a hri hi an vei thei a. Ui-in thla thum a lo tlin in he natna laka inven nan ‘Anti-rabies vaccine’ pek an ni thin.
- b) Echinococcosis: Ui ah he rulhut hi lo awmin an ek ah te a tui a lo awm thin a. Ui ek kan lo khawih palh emaw, kan chaw ei ah te leh kan tui inah te he rulhut tui hi a lo awmin he natna hlauhawm tak hi mihringin kan lo vei thei a ni. Ui te hi rulhut hlo a pek hun thlapa kan pekin he natna lakah hian kan inveng thei a ni.
- c) Taeniasis/ Cysticercosis: He natna hi thluak, tihrawl leh taksa bung hrang hrangte ti buaiin a vei te tana thihna hial thlen thei a ni. Vawk rulhut chi

khat in a thlen a ni a. An ek atang te leh a sa chhum hmin that loh kan ei atang te in mihringin he natna hi kan vei thei a ni.

- d) Brucellosis: He natna hi khawsik sang tak, ruh chuh tuah leh tihrawl na leh mipa tan chin na hial thlen thei a ni. He natna vei bawngnute kan lo in atang te, bawng, vawk, kel leh ui no chhiat leh heng ran no chhiat te serh atanga bawlhhlawh lo chhuak kan khawih a, fai taka kut kan sil loh chuan he natna hi mihringin kan lo vei thin. Heng laka kan him theih nan kan ran vulh te hi vaccine pek anni thin.

Heng bakah hian natna tam tak kan tarlan loh zingah HIV natna hi ramsa atanga mihringin a vei tan a ni. Chutiang bawkin hmanni lawka natna lar em em, Ebola te kha ramsa atang tho-a inkaichhawn a ni. COVID-19 te pawh kha ramsa thenkhat atanga lo irh chhuak ni a sawi te pawh a awm a ni.

Ran daktawr te chu mipuite hriselna atan engtiang chiah in nge an pawimawh tak? Heti hian

chhan tum ta ila. Mipui te hriselna atana an thawh te hi hlawm ruk in a theih theih ang.

- 1) ‘Zoonotic Diseases’ Mihring leh ran inkara natna inkaichhawn theih chung-chang
 - a) Heng – Veterinary Hospital, Dispensary, Clinic leh a dangte-a ran neituten an ran an rawn hruiin chu ran hriselna chu uluk takin an en thin.
 - b) A pek hun dik tak ah vaccine an lo pe thin. Hei hian natna hrang hrang lakah a lo veng thin.
 - c) Chutiang bawkin a pek hun dik tak ah rulhut hlo an lo pe thin a. Hei hian natna hrang hrang lakah a lo veng thin.
 - d) Ran neitute hnenah an ran enkawl ten naupang leh upa lam chak lo zawk te’n natna an kai mai theih te leh a invenna te an lo hrilh thin.
 - e) Mihring leh ran inkungkailhna tha chuan nun an tihlim a. Chhan hrang hrang avanga rilru hah tak te pawh kan ran enkawl te hian hlim takin mi

a siam thei a. Heng ran te hi tha taka enkawl dan an lo zirtir thin.

2) Sa thianghlim tak kan ei theih na an ni

a) ‘Food animals’ an tih sa talh tura kan vulhte heng – Bawng, Lawi, Vawk, Kel, Ar leh a dange hi talh an nih hma in an hrisel tha em tih uluk takin an endik thin a. Hei hi ‘Ante-mortem inspection’ an ti.

b) Heng ran talh tur te hi ‘Methods of Slaughter’ an tih hrang hrang hmangin; ‘humane slaughter’ an ti a. Na hre mang lo in an talh thin. Hetia talh an nih hian ran ‘welfare’ anih mai bakah a sa a tui bik em em a ni.

c) Heng ran talh tak te chu ‘Post-mortem examination’ an ti a. A sa leh kawchhung te mihring ei atan a him tawk em? tih uluk takin an en fiah leh thlap thin.

d) Ran talh tur te hi ‘farm to table’ an ti a. Farm a enkawl an nih lain uluk takin an hriselna an endik a. Vaccine te, rulhut hlo te leh damdawi

an pek dan zawng zawng te mumal takin an en fiah a. Talh tlak ngeia ngaih te chauh an talh tir thin.

Farm a ran enkawl a nih atanga a talh ni thlengin mipui ten sa hrisel tak kan ei theih nan hma an la thin ani.

3) Ran natna hriatchhuahna hmun – Disease Investigation Laboratory

a) Kan ranvulh te hrisel taka an awm theih nan ran damlo te an damloh chhan rang taka kan hriat zung zung hi a pawimawh hle a. Heng ran damlo te sample hi Laboratory ah lo en-in an damloh chhan an hrechhuak zung zung thin a. Hei hian an mamawh tak damdawi awlsam takin a hriat theih a. Ran hriselna atan a pawimawh em em a ni.

b) Mihring tana hlauhawm thei ran natna te pawh lo endik in mipuite hnenah fimkhur turin thuchhuah te an lo siam ta thin a ni.

4) Zirbingna hmun ‘Biomedical Research’

- a) Mihring leh ran te hi kan nitin nunah inhnaih takin kan chengho a, natna kan intawm theih te pawh a tamhle a ni.
- b) A hma-a natna kan tarlan bak ah heng – ruh na te, zunthlum te, cancer te leh a dangte hi a enkawl dan tam tak a inang thei a.
- c) Biomedical Research an kalpui mek te hmang hian natna tihdam dan an hmuchhuak thin.
- 5) Hriselna inzirtirna – ‘Health Education and Extension’
 - a) Sector hrang hrang te nen tangkawpin mipuite kan lo hrisel leh zual nan zirtirna te anpe thin.
 - b) ‘Zoonotic diseases’ – Mihring leh ran natna inkaichhawn theih te leh inkaichhawn theih loh te pawh mipuite an hrihlhre thin.
 - c) Khawtlang hruaitute nen tangkawpin natna um bo dan tur te ngaihtuah ho in mipuite an hriattir leh thin.
- 6) Damdawi siamchhuahna – ‘Production and Control of

Biologics, Medical Devices and Pharmaceuticals’

- a) Ran damdawi, vaccine leh hmanraw dangte an siamchhuak.
- b) Ran chaw tha zawk te siamchhuah a ni bawka.
- c) Heng ran damdawi te leh ran chaw an siam te hi uluk takin mihring hriselna atana pawilo thei ang ber tura siam thin a ni.

Kan rante leh kan chhehvel te an hrisel leh hrisel loh hian vantlang hriselna kawngah nasa takin nghawng a nei a. Ran hrisel tak leh vantlang hrisel tak kan lo nih zel theih nan ran daktawr te kan theihna kawng theuh ah thawhpui ila; tan i la thar zel ang u.

References:-

- a) ‘Role of Veterinarians in Public Health and One Health’ MSD Manual Veterinary Manual, Donald L Noah, December 2022.
- b) ‘The role of Veterinary Public Health in the prevention of zoonoses’ National Library of Medicine, K Stohr et al, 1997.

Mihring khawsak dan leh sik leh sa inthlak danglamin mihring leh ran natna inkaichhawn theihte a nghawng dan

*~ Dr. Blessa Sailo & Dr. Lalhruaipuii, ICAR RC NEH Region,
Mizoram Centre, Kolasib*

Thingtlang lam atanga khawpui kan pem nasa lutuk te, thing leh mau chereu te, ramsa leh nungcha chereu te, khualzin hipna tur hmun kan siamte, sik leh sa boruak danglam avangtein mihring leh ran inkara natna inkaichhawn theihte a pung nasa hle a. Ramsa leh nungcha dang sazu te, sava te, vawk te, bawng te, bak te, zawng te, sanghawngsei, those, hrik chi hrang hrang leh uihli zawng zawngte hian mihringah natna an thehdarh thin a. Heng mihring leh ran inkara natna awm thin hian natna kai theih 60% lai thlenin, khawvelah thihna nasa tak a thlen a, chung chu Covid-19 khan a tichiang awm e. Natna thar kaichhawn hi ven theih ni mah se, hma taka natna lo hmuh chhuah leh natna ven dan tur (policy) lo siam hian mihring tana hlauhawm tur a veng thei a. He thuziakah hian mihring thiltih chi hrang ten ran atanga kai theih natna a tihpunlun

theih dan leh inven dan tur hrang hrangte bakah khawpui lama mihring pung lutuk tur ven dan te, rannung leh hrik ven dan te, hrisel nâna invawn thianghlimna lam leh hriselna lam inzirtina te kan tarlang dawn a ni.

Ram lum leh ram chhengchhe deuhah thingtlang lam atanga khawpui kan pem nasa lutuk avang hian hmun a chepin, thianghlimna kawngah invawn a har em em a, hei hian nasa takin ran atanga kai theih natna a tipung hle a ni. Zir chianna atanga a lan danin in tha taka awmte hian in mumal loa awmte aiin ran atanga kai theih natna toxoplasmosis leh leptospiro-sis an kai tlem zawk a. Kan chhungkaw dinhmun, ran rual ngah lam, mihring tam lam leh darh zawng, leh zin veivah tam lam azirin ran atanga natna kai tam leh tam loh a hril hle a. Khaawpui lamah kan pem nasat lutukavang hian ran tam tak

awmna ka tireu a, bawlhhlawh kan siam nasain, sik leh sa boruak danglamhian nungchate a tirem bawh a, nasa takin natna hrik a tipunlun a ni. Khawpui hmun thenkhat thilnung tinreng leh nungcha tamnaah natna hrik kai theih a tlem zawk a, mihring leh ranrual tamna hmunah chuan natna hrik kai theih a tam zawk thin. Khawpui lama pem nasat lutuk hian ramsaah natna a tihpunlun theih bakah ran atanga kai theih natna pawh a ti tam zawk a ni. Chuvang chuan ran atanga natna kai theih laka inven dan tur kan siamin, chhungkaw dinhmun, ran hrik ven dan te, hriselna lam inzirtirte leh thianghlimna lam sawi tel a pawimawh a ni.

Mihring kan pun zel avanga chenna hmun tur ngaihtuah a, thing leh mau kan tih chereu avang hian natna hrik ran atanga kai a ti awlsam thei a. Ram ngaw tha agriculture atana kan han tihchhiat hian ramsa chenna kan tihchhe tel a, heng vang hian ramsa thenkhat mihring chenna hmunah an rawn kal a ngai thin a, nasa takin ran atanga kai theih

natna a darh phah thei a ni. Entirnan, ram kan vah nasat lutuk avang hian thosi tana inthlahpunna hmun tha tak a siam a, hei hian nasa takin thosi atanga natna kai theih sikserh, dengue leh yellow fever-te a titam hle a. Chubakah, ramngaw tha tih chereu hian Ebola te, Lyme natna te leh Nipah virus te a tipung nasa hle a. Ramngaw chereu leh sik leh sa inthlak danglamhian natna thehdarhin leh a tipunlun thin a. Ramsate hmun him lam, ramngaw tha zawkah sawnin, nungcha tihchereu pawl theih dan te inzirtir nawn a pawimawh hle a, heng hian nasa takin ran atanga kai theih natna a tihtlem phah theih a ni.

Mihring chhuah veivah tam lutuk hian ran leh mihring inkhawih tawwna a titam lutuk a, natna inkaitawn theih a tihtam phah hle a. Sahuan kan tlawh ten emaw ran rual enkawl leh ramsa thla kan lakpui te hian kan invent dan tur kan ngaihtah fo a, hei hian ramsa atanga natna kan kai theih a tihtam phah thei a ni. Ram dang atanga ran kan lakluh, sumdawnna atana kan vulhte,

entirnan South Africa sakei angte atang hian natna kai a awlsam hle a. Sahuana thawkte tan hlei hlei hian natna kai a awlsam thin. Chuvang chuan zau zawka natna inkai theih tur enthlithlai hi a pawimawh hle a ni tih zir bingna pakhat atang chuan a hmuh theih a ni. Ramsa tihchereu leh dan ang emaw dan loa zawrh chhuah pawh hian nasa takin ran atanga natna kan kai theih a thehdarh thei bawk. Ramsa ei atana kan zawrh te, damdawi atan leh kan khawite pawh hian an taksa tuihnang lo chhuak tang te, boruak atang te, tui atang te leh an chaw atang ten natna awlsam takin, an min kai thei a. Ramsa kan zawrhna hmun leh chi hrang hrang dah pawlha phurh kual atangte pawn natna hrik a darh chiam thei. Ramsa zawrh chhuah tam hi veng ila, natna darh tur venna dan mumal tak, sum kan neih mil tawh leh mi nawlpuiin awlsam taka kan hman theih tur chhawpchhuah hi a pawimawh hle a ni.

Mihring hnathawh hrang hrang avanga sik leh sa danglam chak lutuk hian ran atanga kai theih natna a titamin, a tidarh nasa

hle a. Khawvel boruak inthlak danglam te, ruahsur dan mumal lo te, boruak hnawn lam inthlakte hian nasa takin hrik awm dan te, intheh darh dan te leh mihring leh ran awmho dan a tidanglam a. Boruak lum ta zel hian natna hrik inthlahpun lam tisangin, hrik dam zat a tisang bawk a. Hei hian natna chi hrang hrang Chikungunya, Crimean-Congo hemorrhagic fever, ui-a-hri, cryptosporidiosis leh giardiasis a tihpun phah nasa hle a ni. Ei leh in atanga natna kai theih leh tui atanga natna kai theih thleng hian sik leh sa inthlak hian a nghawng thei a. El Nino kan tih leh ruahsur tam lutuk hian pul hri te, tui hri te thlenin, Northern Europe lama thlasik khaw lum avangin *Puumala orthohantavirus* hrik a leng bawk. Heng kan sawi taka tang hian sik leh sa inthlak hian nasa takin mihringin ran atanga natna a kai theih a tipung a, sik leh sa awm dan leh mihring hriselna inthlunzawm dan pawimawhzia a tarlang awm e. Chuvang chuan inven dan tha tak kan siam chhuah hi hrik darh vak tur ven nan a tul hle a ni.

SA THIANGHLIM

*Dr. C.Khawlthangmawia
Dy Director (Poultry Development)
Directorate of AH & Veterinary Department*

Mizote hi kan thlahtute atangin sa duh hnam kan ni a. Kan ranvulhte a bikin Bawng, Vawk leh Arte hi kan sa ei berte an ni. Chuvangin, eng sa pawh hi ei tur atan anih dawn chuan a thianghlim ngei tur a ni. A chhan chu Sathianghlim lo ei avanga natna Mihringin a kaichhawn theihthe hi a tam em em a, chutiang vang kher ni lo pawhin kan sawngbawl dan dik lo leh fimkhur tawk loh avangin natna hrik tam tak kan sa ei turah khan a lo kai thei a ni.

Sa thianghlim eitur chuan heng point hrang hrang tarlante hi rilruah vawng reng ila :-

1. Antemortem Exam :

Hei hi ran talh tur dam laia endik hmasak hi a ni. A nihna takah chuan Doctor hna angin lang mah se, ran talh thang/saser tan chuan hriat a awlsam em em a ni.

a) A mit/Beng/Hnarkua/Mawngkua te a felfai tur a ni : Ran talh tur chu Bawng/Vawk/Ar/Ui etc. anih pawhin a hmel uluk taka endik tur a ni. Hnarkaw berh, hnap tla, beng pan, kawtha lo, ek thi, dam lo cher khur der der, a awm tur a ni lo.

b) Ran dam lo sa eitur a ni

lo : Kan rante hi eng ran pawh nise talha sa eitur anih chuan an dam tha tur a ni. Bawng/Vawk etc. a thih mai hlahv avanga mangan talh hi phal a ni lo. A sa hi a mawm lova, a tui pawh a hmuil lo bik.

c) Vun natna nei : Bawng leh

Vawk hi an phar duh a, a bik takin Kel hi an phar duh hle. Chaw tha takin ei mahse an vun a phar chuan talh loh a tha. An vun natna thlentui hi natna hrik chikhat (Parasite) in a thlen a ni a, enlenna hmangin a hmuh theih. Heng hi kai palh theih a ni a, chum hlum an har a, fimkhur hle a ngai.

d) Ran chesual sa : He hi kawng hrang hrangin a awm thei a. Hriatchhuah mai loh vanga lo damlo rei tawh, a ruh tliak emaw pelh emaw engvang pawhin a awm thei. Rei tak an lo bawksawp tawh anih chuan an cher a, an sa a eitlak thin loh. Chesual hlim hriatchian dam lohna nei lo chu a paw lo mai thei e.

Chuvangin sum senga sa lei kan nih thin avangin a theih hram chuan a neitu/vulltu hriatchian ngei ta hi ni thei se a tha ber mai.

2. Talhna hmun (Slaughter Place)-a talh ei ngei a thianghlim :

Hmun changkang zawkah chuan ran talhna hmun bik (Slaughter house) an nei thin a, chutah chuan tho pawh gas hmanga tihthianghlim (Fumigate) vek a ni thin. Ran talha kan uluk hle tur leh hriat turte :-

a) A talhna hmun (Slaughter place) : Hei hi a pawimawh hle a. In chhunga talh leh sawngbawl ni lo (open space) a talh thin kan ni

tlangpui a. Vawh tam tak Bawng/Vawh lo talh fona hmun anih chuan tho leh tho tle, khuai leh rannung dangte an lo pung a. A hmun kha a lo hnawng a, Bacteria leh Virus natna hrik an lo inthlah pung ta thin a ni. Kan sa puah sa leh chan sa-ah khan tho leh rannung dangte an lo fuk chuan natna hrik Bacteria/ Virus te an lo theh darh thin a, a pawh thei a ni.

b) Tui thianghlim a tul : Ran talh sawngbawl na hmunah hian tui thianghlim a awm tur a ni. Tui remchang apiang, khawthli tui put mai maite Bawng/Vawh pumpui puah nan hman loh tur a ni. Tui ah hian natna hri tam tak a awm thei a, Sa tibawlhhlawh thei anih avangin tui thianghlim chauhin a pumpui kan puah tur a ni.

c) Ran talh sawngbawl na hmanrua : Ran talh sawngbawl na hmanrua; hreipui, bawngtuthlawh, chawhtawlh, baltin, hnah etc. engkim mai hi a remchang

apiang hmang mai lovin a fai tha leh thianghlim chauh kan hmang tur a ni.

d) Ran hri lenna hmun ami talh loh tur : Bawng/Vawk/

Ar/Ui/Kel etc. te hian pulhri emaw natna hrileng hlauhawm tak hi an nei vek a. Mihring tan kai hlauhawm loh chi pawh nise, ran hrilenna hmun atanga ran rawn lut te chu talh loh tur a ni. Ran hri hi tai darh theih a ni a, khawtlangin a tuar thei a ni.

3. Sa hrisel leh hrisel lo awlsam taka hriat dan thenkhat :

- a) Vawksa hrisel chu a thau ah sinte in a mur ang a, a mawm hmarh ang a, a ti pawh a senduk dang deuh anga, a mawm hmarh tur a ni.
- b) Sa hrisel chu han rep ila, a thau mawm a far ang a (Vawk-ah) a far chu a alh hlap hlap ang. A hrisel lo chu a alh tha thei lo. Bawngsaah chuan a thau tha rep anih loh chuan rei tak a far ve lo.

- c) Vawk/Bawng hrisel lo sa chu a senduk nguiah a, a hmel a thim thin. Thisen a chhuah tam loh avangin a sa a sen sung thin.

- d) Vawk/Bawng hrisel sa chu thirbelah han chhuang ila, a sawngte vek chuang lova, sa hrisel lo (talh ni lo) chu an sawng te vak thin.

- e) Vawk vun chhah tup hi Vawk upa tawh ah a awm duh a. A bik takin Vawkpa chithlahtu a len hnua til lak ho leh Vawkpui sa hi an vun a chhah duh a, an hmin har bawk.

- f) Vawk thau var tha tak, mawm miah lo hi a awm thei a. Hei hi chawthaa chawm vak loh leh hnimhnah ringawt deuh thawa chawmah a awm duh.

- g) Vawk thau eng hi a awm thei a, natna hrikin a thlen ani lova, a thin lian (Hepatitis) leh mit liam (Intrahepatic Jaundice) vangin a awm thei a. Sipai ration ei reng ho Vawk thau hi a eng duh bawk. Chubakah, Vitamin

‘D’ tlakchham vangin Carotine (Vawk thau rawng) siamtu a lo tam a, a ti eng thei bawk. Natna hrik ni lovin (Deficiency) tlakchham neih vanga lo awm anih avangin ei a tan a hlauhawm lem lo.

- h) Vawk dam lo/hrisel lo sa chu saum ah hian um la, a uih tui thei lo bawk.

4. Rulhut pai vanga natna :

Bawng hian rulhut hlauhawm tak tak mihring tana hlauhawm a pai nual a, rulhut phek lian sei (Taenia Saginata) phei chu mihring rulhut zawk hi a ni a. Bawng kawchhungah leh mihring kawchhungah a puitling theiin 30m sei pawh a awm thei.

Bawng talh sawngbawl lai hian fimkhur a ngaia, a tui (egg) hi mita hmuh tham a ni lova, tin (nail) karahte kaiin kan ei tel thei a, fimkhur angai hle.

Chutiang bawkin Vawkah hian rulhut hlauhawm tak Taenia Solium a awm bawk. He rulhut pawh hi mihring kawchhungah a puitling theiin 30 metre te a tling

thei. Vawkin mihring ek-te a ei atang leh hnimhnah hring a ei atangin an kai thei. Vawk kawchhungah a puitling thei lova, a tui khan vawk tihrawlah bawl (Cyst) an siam teuh a, chu chu Vawk bawl kan tih hi a ni. Vawk bawl hi rulhutpui tui tihna a nih chu. Hei hi chhum hlum lova ei tel chuan mihring taksaah a puitling thei a, tihna hial a thlen thei a ni.

Ui-ah hian rulhutpui phek an pai thin a, an mawngkuaah hian rulhut phek var che ngal ngal thei a chhuak thin. Hei hi mihring pawhin kan kai thei a. A hranpain an tui lova, rulhut taksa bung khatah hian a tui tam tak a awm thei a ni. Chuvangin, ran kawchhung puah hi uluk hle a ngai a ni.

5. Ran natna mihringa kai theih thenkhatte :

- a) **Ke leh ka na hri (Foot & Mouth Diseases) :** Hei hi ran ke leh ka na hri lar tak hi a ni a, an ketin karte a lo tui hluam hluam a, an ka chung leh hmui bawrte a lo pan a, a tui hluam hluam thin.

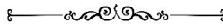
Mihringin kan kai chuan kut zing kar velah hian pan thak, tui hluam hluam a awm thei, a hrehawm duh hle. Bawng, Vawk, Kel etc. te'n an vei thin.

- b) Ui a hri (Rabies) :** Hei hi Ui seh atanga natna kai theih a ni a, Virus natna chikhat hlauhawm tak a ni. Ui-in a kai chuan a chilphuan a tla a, seh tur a zawng ruai thin. Mihring a seh chuan he natna hi a lo darh a, thihna a thlen thin.
- c) Anthrax :** Hei hi Bacteria natna thlen a ni a, Satlaw kan tihte hi ei mai mai loh tur a ni. Ran thi ruang hnarkua, beng, mawngkuaah te thi a chhuak thin. Hetianga thi an awm

chuan ei miah loh tur. Mihringin hetiang sa an ei chuan pum na in an thi tlangpui.

Heng lo pawh hi natna tam tam a awm a, kan sawi seng lovang.

Tlipna : Kan sawi nual tawh ang khian sa thianghlim chauh ei tum ila. Ar thi, Vawk thi, Bawng thi emaw sa hi ei mai mai loh tur a ni. A dam lo sa ngat phei chu talh lo hram ngam ila, accident avanga talh loh theih loh te hi chu a hlauhawm lo turah ngai ila, hralh chhuah tur erawh chu a talhtu pawhin mahni ei duh tur ngei ser/talh ila. Sum a chantir tur anih avangin dik tak leh rinawm takin mipui rawngbawl kan ni tih I hre thar leh theuh ang u.



KEIMAHNI

PENSION:

1. Dr C.zarzokima	Addl Dir (AH&DD)	30.9.2024
2. Lalhranga	Senior Driver,Serchhip	30.9.2024
3. Lalhriata	IV Grade,DAH&VO,Aizawl	31.10.2024
4. B.Lalrokima	V.S,DAH&VO,Hnahthial	31.10.2024
5. J.Lalengliana	IV Grade,DAH&VO,Champhai	30.11.2024
6. Hrangchhungi	IV Grade,DAH&VO,Lunglei	30.11.2024
7. Vanlalthua	IV Grade,Directorate	30.11.2024
8..Dr C.Lalzuitluanga	DAH&VO,Aizawl	31.12.2024

ORBITUARY :

1.K.Biakthansanga	V Grade Phairuankai,Lunglei	4.9.2024
2.Lalpianluanga	IV Grade,Directorate	21.10.2024
3. R. Vanlalvena	IV Grade,Directorate	1.11.2024
4.Jehu Lalrammuana	DriverMVU ,Lawngtlai	10.12.2024
5.V.Zothansanga	VFA,Mualthuam N,Lunglei	20.12.2024
6.J.Lalthazuala	VFA,MVU,Sangau,Hnahthial	25.12.2024

PROMOTION : (as on 21st October 2024)

I. JAG to Selection Grade of MAH &VS :

	From	To
1. Dr F Lalramhluna	Jt Dir (LH)	Addl Dir (VS&PH)
2. Dr Sakhu Khaila	Jt Dir (Poly)	Addl Dir (AH &DD)

II. Senior Grade to JAG of MAH &VS :

3. Dr P.C.Lalsangzuala	GM,Selesih	Jt Dir (poly)
4. Dr Lalrotluanga Sailo	Dy Dir (DD)	Jt Dir (LH)

III. Junior Grade to Senior Grade of MAH &VS :

1. Dr R.Zapaw Azyu	Manager (Mampui)	SrVO,Kolasib
2. Dr K.Zothanpuui	Asst Dir (VE&E)	SrV.O Hnahthial

TRANSFER & POSTING : (as on 29th October 2024)**1. SENIOR GRADE OF MAH&VS :**

	From	To
1. Dr Lalrintluanga	DAH&VO, Hnahthial	DD (L&E)
2. Dr Thangzadinga	DD(L&E)	DD(LH)
3. Dr Lalsanglien Ralsun	DAH&VO(K)	GM, Selesih.
4. Dr C.Sanghluna	Sr VO, Champhai	DAH&VO, Hnahthial
5. Dr V.Vanneitluanga	DD(LH)	DyD (DD)/ FOCUS
6. Dr K.Lalbiaknungi	Sr VO	DAH&VO, Kolasib

2. JUNIOR GRADE OF MAH&VS :

1. Dr Lahnunpuui Zadeng	VO Saitual	Asst Dir(VE&E) Attached to DAH & VO (Aizawl)
2. Dr Zohlimpuia	VO (DI&S)	VO Attached to P&M

TOP 3 HAND HOLDING APPLICATION
(as on 6.11.2024)

Sl No	Implementing Department	Nos of Applicants
1.	Commerce & Industries	2467
2.	AH & Veterinary	2132
3.	Horticulture	688
Total Project Cost : Rs 885.03 crores		
Mimal : 6362		Pawl : 49

CHANCHIN LAWKRHAWM

**** Central Minister lo zin :** Pu George Kurian Minister of State, Ministry of Animal Husbandry, Fisheries and Dairying chuan ni 22 November khan Hnahthial a tlawh a, He hunah hian Hnahthial District chhunga Department hrang hrangte Central Scheme chungchanga an hmalaknate sawiho niin a hmunah en ho a ni, District Veterinary Hospital saklai pawh a en bawk, KVK Exhibition tlawhin inkhawmna hun neih a ni bawk. He hunah hian DAH & VO leh Sr VO Hnahthial te bakah Directorate atangin Dr F. Lalramhluna Addl Dir (VS&PH), Dr TC Lalthanzauva DD (Pig Dev) leh Dr Thangzadinga DD(LH) ten rawn tawia wmin Minister visitah hian Dr Lalfamkima DD(VE&E) chu Liason Officer atana ruat a ni.

**** Governorin Rural Animal Slaughter House, Mualpui tlawh :** Governor Pu Indra Sena Reddy Nallu chuan Ni 10 October 2024 zing 4:30am khan Rural Animal Slaughter House, Mualpui a tlawh a, He hunah hian Dr Vanlalhruaia Jt Director (LD&B), Dr C. Neihthangpuii DD (VPH) leh Dr Michael V. Lalrinzuala ten an lo dawngsawngin, Governor chuan Slaughter House hna kalpui dan leh hmasawn zel dan tur officerte a sawipui.

**** Release of Compensation cum Awareness on ASF chu** Ni 9 October 2024 khan Veterinary Polyclinic Conference Hall, Khatlaah neih ani a, He hun hi Dr R. Zothanmawii Director AH & Vety in a kaihruaia, Minister Pu C. Lalsawivunga'n releasena hun neihin kum 2022 a ASF vanga vawk suat compensation 25% ,Rs 266 Lakhs chu chhungkaw 1847 hnena pekchhuah turin ani.

**** Ministerin Animal Shelter tlawh :** Ni 6 December khan Hon'ble Minister AH & Vety Department Pu C. Lalsawivunga

chuan JB Foundation Animal Shelter, Bungbanga a tlawh, He Shelter hi JB Foundation enkawl niin a enkawl na senso chu ran hmangaih tute leh mi tlawmgaite sum thawhkhawm an dawn te a ni a, He shelterah hian Ui 49 zawhte 18 Kel 1 zawng 1 te enkawl an ni. Heng ran te hi mi enkawl chhunzawm theih loh, tihduhdah avanga enkawl chhunzawm tura lak leh damlo enkawl mumal theihloh te an lakkawm an ni. He shelter hmun hi AH & Vety Departmentin hun thiam chhung neia hawh tir ani. Minister hi Dr F. Lalramhluna Addl Director (VS&PH), Dr Robert Rualthankhuma Dy Dir (P&M), Dr Lalfamkima Dy Dir (VE & E), Dr C. Neihthangpuui Dy Dir (VPH) ten an tawiawm a, Animal Shelter tlawh rual hian JB Paws Veterinary Hospital, Zemabawk chu a tlawh bawk.

- ** AWBI hotu lo zin :** Dr RB Chaudhary Representatives Animal Welfare Board of India (AWBI) chuan 17-20 November chhung khan Mizoram a rawn tlawh a, He hunah hian Dr R. Zothanmawii Director leh officerte kawm a, Animal Shelter JB Foundation, Bungbanglate tlawhin, Commissioner, AMC te a kawm bawk.
- ** Rural Animal Slaughter House, Mualpuiah Ni 3 October 2024** khan Mizoram college of Nursing, Dept of Community Health Nursing leh Ni 9 October 2024 khan RIPANS a 27th batch BSc nursing ten educational visit an nei.
- ** Ni 17 September 2024 a sorkar Notification angin sorkar** hnathawtke office kai dan attendance fel fai zawka zawm anih theih nan kai app a in register turin hmalak mek ani a, Directorate hnuai a officer leh staffte Ni 21 October 2024 ral hma ngeia he app ah hian in register tura hriattir an ni.
- ** A-Help batch 6th leh 7th te chuan Ni 17 October** khan SIRD & PR, Durtlangah training an zo.

**** Ni 1-5 October** khan Mizoram Civil Service Inter Departmental sports and cultural meet neih ani a, Department aiawha tel te report chu hetiang hi ani:

- I. Chess : Players 6 Result : Team Chess ah 7.5 pt score, Mens singles ah Pu James Lalsangzuala chu 15th rank ani.
- II. Carrom : Players 5 Result : 1st roundah G-4 te hnehin 2nd roundah P&E an hneh lo.
- III. Badminton : Players 10 Result : 45+ Mens Doubleah Dr Lalfamkima & Pu Lalhmingliana ten 3rd Round (Pre-Quarterfinal) an thleng.

**** Ni 15 October 2024** chawhnu 1pm khan Pu Ajit Roy IAS Special Secretary chuan Rural Animal Slaughter House, Mualpui a tlawh a, he hunah hian Slaughter House in charge Dr Michael V. Lalrinzuala V.O (VPH) bakah Dr Lalfamkima Dy Dir (VE&E) leh Dr C. Neihthangpuii Dy Dir (VPH) ten slaughter House hnathawh dan te leh hmalak mek te an an en pui a, Secretary chuan slaughter House kalpui danah harsatna awm te a sawipui bakah hmalakna awm mek te chak zawka kalpui turin a chah a,

**** Ni 13 November 2024** chhun dar 12 khan AH & Vety Minister Pu C. Lalsawivunga hoin, Sorkar flagship programme Hand Holding Scheme a pilot phase hmalakna te Nodal Committee, Minister Residence, Tuikhuahtkangah neih ni a, Pilot phase atana District AH & Vety Officerten an thlanchhuahte chu Ni 5-8 November chhung khan search team te hmun thumah in thenin Mizoram District hrang hranga Hand holding a tanpuina diltute an Inah kal chilhin an farm dinhmunte ennin an ti ti pui a, Pilot phase atan hian diltu mi 67 te District hrang hrang atangin thlanchhuahte an ni a, chung diltute chu Arvulh 19 Kelvulh 8 vawkvulh 30 Bawngvulh 6 Ran Chaw siam 2 Meat/Meat Processing 2 an ni a, avaiia Loan amount chu Nuai Rs 1700 chuang ani. Heng pilot phase atana thlanchhuahte

te hi Planning & Programme Implementation Departmentah Apex Body in an en fel leh tura thehlut a ni ang. Minister chuan Hand holding lama Departmentin chak taka hma a laknaah lawmthu a sawi a, a tul anga hma lak chhunzawm zel turin a fuih bawk a ni. He meetingah hian Spl Secretary Pu Ajit Roy leh Dr R. Zothanmawii Director bakah Hand holding lama Department mi pawimawhte an tel.

- ** Mizoram State Veterinary Council buatsaih One day Sensitization Workshop on The Mizoram Licensing & regulation of Private Veterinary Hospitals & Clinics Act 2021 and Standard of Professional Conduct Etiquette & Code of ethics for Veterinary Practitioners Regulations 1992 chu 12 November khan State Veterinary Council Hallah neih a ni a, Resource person atan Dr Thangzadinga DD(LH) leh Dr K. Lalthanhima VO(MVU) te niin Private Practicioners mi 8 an tel.
- ** Directorate Officers te bakah MODAFER, ZPDS, DAH&VO (A), Polyclinic Hospital, AH & Vety Farm, Selesih, PIGFED leh FOCUS te Veterinary Polyclinic Hospital, Conference Hallah 14 November khan meeting neih a ni a, He meeting hi Dr R. Zothanmawii, Director in kai hruaiin, section hrang hrangin power point presentation an nei a, Department hmalakna leh Mamawhte sawi ho na neih nghal a ni.
- ** Ni 16 November khan Siaha Farmers Festival ah Free ARV DAH & VO ho a neih a ni a, heng bakah hian Department hmalaknate phochhuahna neih a ni bawk.
- ** Poultry India Expo 2024, Telengana 27-29 November a neihah Dr Ngursailova Manager ZPDS leh Dr Lalthansanga Khiangte Asst Dir (P&M) te an tel.
- ** Ni 19-20 November khan Epidemiological Center Aizawlah “Training on Advance Diagnostic Test” neih a ni a, He training hi Department leh Hi-Media Laboratory Pvt Ltd te buatsaih a ni.

DISTRICT CHANCHINTHAR

- ** Ni 16th October 2024 khan Champhai District AH & Vety Department huaihawtin “ Training on Upgradation of Indigeneous Catttle (under Rashtriya Gokul Mission) ” neih a ni a,He training hi Dr. Lalbiakzuala Sailo DAH&VO in a kaihruai a, Dr. B. Lallawmsanga Dy. Director (C&MD)chuan bawngnhnute tam zawk leh bawng lian zawk an neih theih nan Artificial Insemination hmanga an bawng vulh te tihhmasawna turin Hnahlan leh Khuangphaha tual bawng vulhtute zirtirna a pe.
- ** DC Conference Hall,Lungleiah Ni 3 October khan District level Core committtee on ASF thutkhawm vawihnihna neih ani a,Dr Lalmakthanga Joint Director (Southern Zone) in he hun hi a hmanpui.
- ** Mizoram Cooperative Apex Bank Ltd Finance by NABARD and MCAB under comprehensive Support Plan bul tumin Sihphir Venghlun Multi Cooperative Society ten Ni 3 October khan ZPDS ,Tanhril an tlawh.
- ** Sensitisation-cum-Consultation Meeting on Thlai Thar Market under Hand Holding Policy 2024 chu Ni 11 October 2024 khan Auditorium,Irrigation & Water Resources Department,Aizawlah Mizoram Agriculture markerting Board (MAMB) buatsaihin neih ani.
- ** Ni 28 November khan Veterinary Hospital leh clinics Licence Inspection Team te chuan Bualpui leh Kolasiba Private Hospitals leh Clinics te licence dilna an enfiah. Inspection Team hi Dr Lalremliana President MSVC in ho in,Dr F.Lalramhluna Addl Director,Dr TC Lalthanzauva MSVA aiawh,Dr Thangzadinga Nodal officer leh Dr Lalfamkima IVA te an ni.Mizoram puma licence dil hi Aizawl Districtah 10,Lunglei district 4 Siaha District 2 Kolasib District 3 te an ni a.Inspection neih rual hian one day sen-

sitization workshop on “The Mizoram Licencing and Regulation of Private Veterinary Hospital & Clinic Act 2021” and “Standard of professional Conduct, Etiquette & Code of Ethics for Veterinary practitioners Regulations 1992 “ neih a ni bawka. Dr Thangzadinga Dy Director (LH) chu resource person niin, Private Hospital, clinics Inspection leh workshop hi ni 12 November khan MSVC Hall, Aizawlah, Ni 20 November khan DVO Conference hall, Lunglei leh Ni 21 November khan DVO Office Siahah te neih tawh a ni.

** “Short Term training programme on Diagnosis and Theurapeutic Management of Certain Infertility problems in Bovine” chu 19-22 November chhung khan neih a ni a, He training hi Mizoram State Veterinary Council leh Department of Animal reproduction, Gynaecology & Obstetrics, College of Veterinary Sciences and Animal Husbandry, CAU, selesih, Aizawl te buatsaih a ni a, Veterinary Officer leh MVU Veterinarians te an tel.

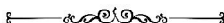
** DAH&VO te hmalakna a Awareness campaign on Vaccination cum Free vaccination camp neih dan :

25 November	Kawrthah	Mamit
26 November	Zamuang	Mamit
29 November	Muthi leh Tlungvelah	Aizawl
11 December	New Ngharchhip leh Bualpui H,	Hnahthial

** MDTC leh DAH&VO, Kolasib buatsaihin Free Animal Health Clinic chu Ni 27 November khan Kawnpui Venglai Presbyterian Hall neih a ni a, ran 205 en a ni.

AFRICAN SWINE FEVER (ASF) AVANGA VAWK THI RUANG SAWNGBAWL DAN LEH PHUM DAN

1. Khur thuk taka laih tur.
2. Chinaiin vawk ruang phul/leih leh tur.
3. Leivunga chhilh leh hnuah – a chunglângah chinai bawkin khuh leh tur.
4. A ruang sawngbawltuin shoe cover leh gloves a bun tur a ni.
5. Shoe cover leh gloves te hi khur chhunga phum tel tur. Chumi hnuah kut fai taka sil tur a ni.
6. Ruang phurhna motor emaw ruang zawnna hmanrua emaw disinfectant or sahbon-a tihfai \hin tur.
7. Disinfectant hman turte:
 - a) 2% Calcium Hydroxide (Chinai)
 - b) 2% Sodium Hydroxide (Caustic Soda)
 - c) Detergent (Sahbon – Surf, Mr White, Tide etc...)
 - d) Phenol Substitute.
 - e) 2-3% Sodium or Calcium Hypochlorite (bleach leh bleaching powder)
 - f) Iodine Compounds.



ZAWHNA HUANG

Q1. Mizorama ran vulh te tan hri dan na lak tur engte nge awm?

Chhanna: A&H and Vety Department hnuai ah heng vaccine te hi lak theih ani

- a) FMD vaccine - Bawng, Kel, Vawk, Lawi, Sial etc
- b) H.S And BQ Vaccine- Bawng, Lawi etc
- c) PPR Vaccine- Kel
- d) Brucellosis Vaccine- Bawng
- e) ARV Vaccine- Ui, Zawhte
- f) DHPP(combined vaccine)- Ui
- g) CSF vaccine- Vawk
- h) IBD, RD, R2B, Fowl pox,

Q2. Pet animals (ui leh zawhte) tana eitur hlauhawm/ thalo engte nge?

- Chhanna:
- a) Zu (alcohol)
 - b) Chocolate
 - c) Coffee
 - d) Nuts
 - e) Chaw/eitur hmuar
 - f) Purun sen leh var
 - g) Grapes leh grape ro (raisins)
 - h) Chi, yeast
 - i) Xylitol tel na ei tur

