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 Editorial

Ranvulh hi eizawanna bulpui berah kan hmang emaw hmang lo emaw, kan hun leh tha, sum leh pai engemawzat chu kan seng ral a ni. Kan senral te hi a let engemawzat hmu leh turin kan bei fat fat thin a. Amaherawh chu, vanduai vanga ran hri leng a pul ta emaw, enkawl dan thiam tawk loh vangte pawhin a hlawk tur anga hlawk thei lovin, kan chan teuh thei ve tlat mai a. Tam tak hi chu a inven theih a. Hri leng thei lakah lo veng lawk turin vaccine te pe tha ıla, a hunah tak pek nawn leh kha ngaipawimawh zel bawk ıla. Heng hri danna te kan lak laiin engtikah nge pek nawn leh tur tih hi zawh nachang hriat a tha khawp mai.

Kan ranvulh te thang theilo, no pai theilo leh tui thei lo te, hmul tla kawlh leh bawngnhnute thar tlem lutuk te, nopai ve chhun pawh piangsual ta te hi a neitu ten engemaw chen pumpelh dan a aum ve a. Kan enkawl dan dik tawklo emaw, chawtha, an taksa mamawh tawk tur kan pe lo te emaw, vitamins leh minerals te kan pek tel ngai loh vang te pawh a ni thei. Chuvangin, heng harsatna te pumpelh nan A.H & Veterinary Department hnuaia Doctors te leh VFA te, min pui turin an inpeih reng a ni tih hria ıla. Hlawk zawkin kan ran te vulh ıla, sa leh artui leh bawngnhnute ah te ilo intodelh chho zel ang u.



AR KAWTHALO LEH ENKAWL DAN {Coccidiosis (Protozoa Parasites in Poultry)}

- Dr. C.Khawlthangmawia
CVO, Mampui.

Kan Arvulhte hian natna hrang hrang an tuar ve thin a. A pul hri, Hmaihuh, Pumpui chaklo, Chhul chaklo, Ke vung, Kawthalo leh natna dang tam tak an vei thei. Chung zinga natna lar ber leh kan Arvulhte min suatsaktu, abikin Broiler leh Layer kan vulhte min tihhlumsak tu natna hlauhawm tak chu Kawthalo Ek thi (Coccidiosis) vang a ni ber. A natna hrikte hi engang chiah nge an nih a, an hlauhawm dan te, enkawl dan thlengin lo zir chiang dawn teh ang.

A natna thlen tu : Kawthalo (Diarrhoea) thlentu ber chu Coccidia species an ti a. Natna hrik Cell khat nei (Protozoa) chikhat a ni. Coccidia te hi chi hnih ah then a ni a, chungte chu *Eimeria* leh *Isospora* an vuah. Heng *Eimeria* leh *Isospora* te hian Mihring ranvulh chi hrang hrangah kawthalo natna an

thlen thei a. Bawng, Vawk, Ui leh Zawhte thlengin an tuar thei. Ar a natna thlentu langsar zualte chu – *E.tenella*, *E.necatrix*, *E.maxima*, *E.acervulina* leh *E.brunetti* te hi an lar ber a. Amal in emaw inkawpin natna an thlen thei. An len zawng hi a tlangpuiin 22-23x17-20/ μ a ni. An te hle mai.

An inthlah pun dan : Coccidia natna hrik te hi leiah rei tak an dam thei a. Tuamtu kawr sak tak inthuaamin leihnawngah leh ran/Ar ek hnawngah rei tak an dam thei a. An taksa (cell body) ah tuamtu kawr an neih avangin ‘Oocyst’ an vuah a. An tet em avangin enlenna hman pawhin hmuh mai a harsa hle. Boruak hnawng, hnawm-hnawk hnawngah hian kum 2 lai a dam thei a, hei vang hian tih rem an har hle.

Ar in he natna a kaichhawn dan ber chu ei leh in atangin a ni ber a. Heng natna hrik intuam (Oocyst) te hi Ar chaw-ah emaw tui in turah emaw Ar In chhuatphah (Litter)- ah alo awmin an ei tel thin a. Ar kawchhung a thlen hnu ah khan pumpui chhunga thil tuihnang (Digestive Enzymes) hmangin tuamtu kawr alo keh a. Ril chhungah lut thla zelin, ril chhung lam (Epithelial Cell)- ah duhthalin alo bei nghet a, chu chu ‘Sporozoite’ an vuah a. He (Sporozoite) kan tih mai hian chaw tha alo hmuh tak avangin alo thang lian ta vak thin a. Chu chu ‘Trophozoite’ an vuah leh a. A lo sei a, alo thang zel a, Cell pakhat kha pahnih a inthen theiin alo lian a, chu chu ‘Schizont’ an vuah leh a.

Hei hi alo inthen in pakhat kha pahnih ah alo pung a. Chutianga inthlahpung chu asexual division chi khat ‘Schizogony’ an vuah.

Chutiang lo zawngin anu leh apa chi indekin inthlahchhawn a ni baw k a, hei hi natna hrikte inthlahpunna hmanraw chak zawk chu a ni. Hmun hnawng tha, chaw duh anga an hmuhna hmunah chuan rei tak an dam thei a. Ar in he natna hrik a ei atangin alo in thlah pung ta vak thin a, nikhatah ngawt pawh natna hrik pakhat atangin 200 – 300 alo pian belh thei a ni.

Natna thlen dan : Heng natna hrik (Protozoal Parasite) te hian natna an thlen dan ber chu ril kawrawng chhung lampang an ei chhia a. Ril kawrawng chhung a tuamtu kawr (Epithelial cell) eichhia in hliam nasa tak an siam a. Chuta tang chuan thisen lo chhuakin Ar ek a ti thi ta thin a. Ar kawthalo ek thi a awm chuan hetiang natna vei an ni tih hriat vat tur. Hetiang natna vei lemlo pawh kawthalo pangngai an vei thei tho baw k a, ngaihrawlh hauh loh tur. Heng natna hrik te hi a tam

zaw chu Ar rilphiar (Caecum) ah natna an thlen ber a, Ar thi uluk taka zai darh chuan hliam leh thisen hmuh tur a awm thin. Chutianga hliam nasa tak ril chhunga an thlen hnu chuan natna hrik chi dang Bacteria chi hrang ten lo inthlah pungin natna an thlen ve baw.

A lanchhuah dan : Ar chuan a chaw ei tuina a hloh tial tial a. Chaw a ei tlem a, tuisik pawh a in tha peih thin lo. A mut a chhuak a, a ding tha peih lova. A chhuang alo duk a, a ek ngun taka en chuan thisen lar emaw duk emaw a hmuh theih. Kawthalo a awm duh hle a, kawthalo awm lemlo pawh ek thi hmuh tur a awm chuan hetiang natna tho hi a ni thei. Ar mawngkaw bul vela hmuh chu alo berh a, an lo char a, ni 2/3 vel lek ah an thi mai thin. A rang chi ah pheh chuan zan khat thilah pawh an thi mai thin. Ar thla 1-2 inkar in a haw hle a, an thi mawlh mawlh thei.

A enkawl dan : Ar damlo chu rangtaka hriatchhuah tum tur a ni. A dam lain en dahpawlh loh tur. Sulpha drugs te, Tetracycline group te, Sulmet leh Nitrofurans te a tha hle. Hengte hi an tui in turah pawlh thin tur a ni. Doctor/Vety. lam thiamte rawn vat tur.

A ven dan :

- 1) Ar in leh avel fai taka enkawl tur.
- 2) Ar In chhuat a ro tha tur a ni a, a hnawng anih chuan phoro emaw thlak thin tur.
- 3) Tuisen / Disinfectant Phenyl etc. Ar awmlah laiin theh thin a tha.
- 4) Ar kawthalo pakhat chauh a awm pawhin a ven nan heng Tetracycline w/s pd, Sulphaquinidine, Sulpha-methoxazole te hi tlem tlem an tui in ah pawlh fo tur.
- 5) Ar damlo awmnaah tihfai/ tuiso leih fai lohin ar dang dah loh tur.



AR MIT NA

Dr. Ruby Ngurnunmawii Sailo, V.O
Excerpt from Poultry Jagat
English Weekly Poultry Industry
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Kan ar vulh te, broiler a ni emaw, layer a ni emaw, a dang eng chi pawh lo nise, a mit a nat a, a mittui a tlak a, mit ek a lo awm chuan, thlahthlam mai loin, a rang thei ang ber a enkawl vat tur a ni. Ar mit na hi a chhan hrang hrang a awm thei a, kum bithliah bik neilo lovin, eng ar pawhin a tuar thei a ni.

Ar mit a lo nat a, alan chhuah dan :

Ar mit tuamtu a hamda (Conjunctiva) chu a lo sen tial tial a, mittui te tlain a mit vel chu a dumin a val kulh thei a, a mit te lo vung in, a benvawnah chuan mit ek leh hnai in a char phui vek a, a mit pakhat chauh emaw, a tawn tawn pawhin a ni thei a ni.

Natna hrik hrang hrang, heng Bacteria,

Virus leh Fungi te bakah thil dang heng boruak chhia (Toxic gas), Ar in tih faina leh tih thianghlimna hmanrua chemicals hrang hrang bakah, kan enkawl dan dik tawk loh (management error) te vangin ar mit na a awm thei a ni.

Mit na thlen theitu leh a thlen dan tlem a zawng han sawi zau dawn ila.

1. BACTERIA : He natna hrik hi mit lawnga hmuh tham loh a ni a, *Staphylococcus spp*, *Streptococci spp*, *E.coli*, *Mycoplasma spp* te thlen a ni tlangpui thin, a lo rial rei deuh tawh pheh chuan, mit a vung burin hnai te ala hial thei a ni, Vety Doctor te rawn vat tur ani.

- 2. VIRUS** :- Ar mit na hi Virus natna thenkhat a lan chhuah dan pakhat a ni, chung natna te chu sawi belh deuh ila.
- (a) Fowl Pox** (Ar hmai hul) :- A tirah mit vung in, a mit tuamtu hamda (conjunctiva) a lo sen tan a, mit ek pawh a tam em em a ni. Ar hmai hul-ah hian puhlip (scab) a insiam thin a, chumi chuan mit pahnih emaw a leh lam chauh emaw a char phui thei a ni.
- (b) Ranikhet disease** (Ar pul hri) :- He natna hi ar in alo vei chuan, a mit na ang pawhin alang chhuak thei a ni.
- (c) Marek's disease** (Ar zeng hri) :- Ar mit a del thei a, a mit note chu alo paw a, a lehlam nen a in len hleih a, a hnuah mit a del thin.
- 3. FUNGI** :- Thil hmuar tiin a sawi mai theih awm e. Heng hmuar te hi thil nung an ni ve reuh a, chi hrang hrang awmin, chung zing a pakhat *Aspergillus spp.* hi mit hamda ah lut tlang in, mit na a siam thei a. A chaw hmuar atang in, mit na hri a kai ve thei tihna a nih chu.
- 4. BORUAK CHHIA (TOXIC GAS)** :- Ar zun leh ek bakah a In vel tih thianghlimna atana kan damdawi hman atang te in, boruak hlauhawm leh rimchhia, Ar inchhungah a leng vel thei a, chu chuan thawkna dawt natna mai bakah mit na a thlen ve thei a ni. Formaldehyde, Ammonia, Carbon Monoxide, Carbon Dioxide, Chlorine, Ethylene oxide, Hydrogen Sulphide, Hydrogen Peroxide, Ozone, Phenol, Ethylmercaption leh a dang te hi boruak thalo Ar inchhunga insiam thei te chu a ni. Heng boruak, hu leng vel

hian mit a ur in, mit a ti na thei a ni.

5. CHEMICALS :- Heta chemicals kan sawi hi, Ar inchhung leh a vel tih thianghlimna atana kan hman thin damdawi te a kaw k ber a ni. Arte kan lak thar hma in, ar in lo then t h i a n g h l i m (disinfectant) lawk te a ngai thin a. Chumi atan chuan tui nen emaw thil dang nen a chawhpawlh tur damdawi te a awm thin a. A in chawhpawlh taw k dan tur pawh bituk thlap a ni thin a. Thahnem ngaih zual vanga, pakhat zawk pawlh tam te awm thei a ni. Chumi avang chuan a hu lo insiam in, ar dah thar te tan paw i a thlen thei a, ar mit ti thip in, mit na alo insiam phah thei a ni. Tin, kan Ar in bulah thil siam chhuahna hmunpui Industry, eng eng maw a awm chuan, an thli atangin chemicals hlauhawm

te a luang chhuak thei baw k a. Chung hnai vai ah chuan ar in emaw ar farm emaw siam loh a tha ber a ni.

6. MANAGERIAL ERRORS (ENKAWL DAN DIKLO) :- Kan Ar in emaw Ar farm emaw siamna hmun (location) a zirin mitna hri kai hma bik riau theihna awm thei awm e, kalkawng khu lutuk te, motor khu leh vaivut leng vak tamna bul hnai taka ar in awm te, tin archaw/ranchaw siamna hnai taka awm te ah chuan mitna hri an kai hma duh a ni. Ar in ah boruak vir velna (ventilation) tha tak a awm loh chuan mitna an nei awlsam a ni.

Awle, kan han tarlan tak atang te khian, ar mit nat chhan tam tak a awm thei tih kan hrethiam mai awm e. Natna hrik in a thlen ni lo, kan enkawl dan dik taw k loh vang te pawh alo ni thei renga, chu lam

chu mahni theuh in enfiah ila, ar mit alo nat chuan ngaihthah mai lovin enkawl vat tur a ni a, natna dang engemaw lo in tan chhoh na tur pawh alo ni reng thei a ni tih hria in Doctor te rawn vat thin tur a ni.

Kan ar lei te hi hri danna (vaccine) pek lawk a ni tlangpui thin a, henghi engnge an pek tawh? Tih hriat tum ve zel chu a tha khawp mai. A zuar tute zawh hi inthlahrung lovang u. Tin, a hnu a pek nawn leh tur te pawh a awm thin a ni, Vety. Doctor rawn chung zelin vaccine leh damdawi te pek thin tur.

INVEN DAN :- Sap thufing chuan "tihdam aiin inven a tha zawk" an ti a, a dik khawp mai. Natna hrik vang nilo kan enkawl dan dik tawk lo leh kan tih dik tawk lo awm te chu a hma a, kan sawi atang khan kan hre mai thei ang a, tihdik tum chu kan hna ve a ni tawh. Doctor rawn vat a, enkawl na tur damdawi a

chawh te leh tih tur a sawi te tha taka zawm tur a ni.

Boruak chhia (toxic gas) vangte a, mit na alo awm chuan, a In kha hawn thawven a, boruak virvelna tur tha (ventilation) siam sak vat a, a khuhna kan siam te anih chuan chungte chu hlih then te pawh a tul a ni thei.

Ar in leh a vel tihfai leh tih thianghlim nan a kan hman thin (chemicals) te chu a pawlh/hman dan tur dik takin hmang ila, pawlh tak deuh a, 'A chak deuh nge nge ang chu" ti a rilru kan put thin chu sim a hun a ni.

Tin, kawngpui hnaih lutuk te, ran chaw siamna hnai vai tak emaw godown (kudam) hnai lutuk te chu sawn hlat ni se, a khu lutuk tur awm lo turin.

A tawp berah chuan Boruak virvelna (ventilation system) tha tak ngaih pawimawh tur a ni.



EIZAWN NANA RAN VULH

(An extracted from 'Ranvulhtu thian' by Dr. C.Sangnghina)

Eizawn nana ran vulh hi, kan tunlai tawngah chuan lar viau mahse, a taka Mizo fate'n kan la nunpui loh a ni a. Kan ram hnimhnah, sik leh sa leh leilung te hi ran vulh nana itawm leh tha a ni tih kan hai hauh si lo. Khawvel ram dang, ran vulh tamna ram Denmark, Australia, USA leh khawthlang ram dangte, khaw vawh laia vurin a khuh chukna ramte ai chuan kan Zotlang ram nuam, boruak lum leh vawt nasat lohna ram hi eizawn nana ran han vulh nan a va itawm em! Mi ram leh India ram chung State danga eizawn nana ran vulhte hi a tam zawk chu ran daktawr ni lem lo, lehkha thiamna lamah chuan graduate pangngai an ni deuh vek zawk. Farm ruahmanna (scheme) siam leh ran damlo enkawltu atan ran daktawrte chu an mamawh leh atul hunah an chhawrin an ruai mai thin.

Chuvangin, kan Mizo thalai lehkhathiamte hi sawrkara hna hniam te te awm chhun thawh tur inchuha politician ruaia, inpawt peh lek lek khawpa tan lak thin ai chuan, kan ram leh mimal/chhungkua tihchangkan nan, eizawna tling khawpa ran vulh zir tan atul ta hle a ni. Awle, ran vulh hlawhtling tur chuan, ran vulh nana kaihhnawih enkawl thiam leh enkawl that (Farm Management) hi a pawimawh ber a. Entirnan, motor siamtu company chuan an hmanraw neih, hnathawktute, thirte, thialret leh thil dang motor siam nana tulte hmang tangkaia an nihna tur ang thlap a an cheibawl a tul a. Tichuan, heng hi an remkhawm a, thil tangkai deuh motor-ah an chhuah ta a ni. Hetiang hian, ran vulhtute pawhin, tha senga ram leilung te hmang

tangkaiin, hnimhnah leh ran chawte hmang tangkaiin, thil danglam deuh leh tangkai tak-bawngnhnute, artui leh saah te-a ran vulh hmangin an rawn siam chhuak ta mai a. Hetianga thil danglam tak leh hlawk taka chhuah tur hian relbawl dan fel leh fing (proper management of farm) a ngai a. Hemi inrelbawl dan thiam hi alawm tun lai khawvelah chuan mi dingchhuak leh mi Hausa lo ni mai thin chu !

Chutichuan, engthil pawh ti ila, inrelbawl dan tha (proper management) hi a pawimawh ber zel a. Chhungkuaah pawh, chhungkaw inrelbawl dan (family management) a fel loh chuan chhungkua a hlawhtling thei lo. Chutiang bawkin sawrkar leh ram inrelbawl dan (management) a fel loh chuan ram leh sawrkarin hma a sawn thei lo. Ran vulha eizawn tum chuan, hlawk tura ran a vulh a ngaih

dawn avangin thil tih hmasak tur pawimawh a nei a, chungte chu :-

1. Ruahmanna fel
2. Remruatna fel
3. Remhriatna tha
4. Thiltih tur hrang hrang khai khawm thiam
5. Rorel thiam leh thupek (order) kenkawah thiam emaw a tawi zawngin ranvulhtu chuan ‘engte hi nge, engtik hun a tih tur nge,’ tih thiam takin a rel fel zung zung tur a ni. Chuvangin ranvulhtu chu :-

- 1) Thil thlir zau leh thlir thiam mi a ni tur a ni. A ranvulh hlawhtlin nana hmanraw mamawh a hmuh theih dante, thiamna thar (new technologies) awmte a hre nghal thei zel tur a ni. Hei bakah a thar chhuah, man man deuha hralh zung zungnate a ngaihtuahna ah a awm reng tur a ni.

- 2) A thiltum-ah a chiang tur a ni a. Ran engzatnge a vulh theih a, chuktuah huan eng anga zau nge a enkawl theih ang tih leh a ranvulh atang chuan bawnghnute engzatnge, artui leh sa engzatnge thla khatah emaw kumkhatah emaw thar a tum tih a chiang hmasa ngei ngei tur a ni.
- 3) Harsatna a tawh leh a tawn theihte a hrechiang ngei tur a ni a. Heng harsatnate hi engtinng a pumpelth theih ang tih a suangtuah nghal bawk tur a ni.
- 4) Thil chhut thiam mi a ni tur a ni. A thil tum (goal) hlen theih nan a sum lakluhte, a pawisa neihte, a ranvulh lakluhte, a ranvulh (farm) hlawhtlin nan tha sen tam a tul dante a chhut tel vek tur a ni.
- 5) Rilru sakhat leh nghet pu mi a ni tur a ni a. Tha leh
- tul nia a hriat chu a ti nghal mai tur a ni a, a fuh lo deuh anih pawhin mawh la ngam mi a ni tur a ni.
- 6) Thil hisap peih mi a ni tur a ni a, kar tin emaw, a ni lo berah thla tin a farm enkawl nana sum sen leh lakluh a buk tawnin a chhut ziah tur a ni.
- 7) A farm chu thununin a vil hneh reng tur a ni a, nitin a thar chhuah leh chumi atana sum senso leh hnathawktute chezia pawh a hre chiang hle tur a ni. Hnathawktuten an thawh that loh chuan chhiat rupna a thleng thuai thin.
- 8) Farm hmasawinna leh thatna atan thil thar tha awmte chu a hlui tha lo leh hlawk lo zawk thlak nan hmang zung zung thei mi a ni tur a ni.



I HMANGAIH I UI TAN VACCINE ?

- *Dr. Vanlalnunpuii Ralte*
BVSc & AH

'Vaccine' tih tawng-kam hi chu kan hre theuh awm e. Kan fa, kan duat kan hmangaih em em te hmaih ngai lovin a hun takah kan pe chat chat thin, chutin, hri te an lo kai loh nan. A va tha in ava thlamuanthlak em ! Natna an kai a, in enkawl leh a hautak dawn tehreng nen, chu 'Vaccine' te chuan alo veng ve reng zu nia.

Kan ran, a bik takin 'Ui' ah hian inthlurbing ta deuh ila, ran vulh te zingah chuan kan dahsan, mihring dinhmun luah pha ve chiah lo mahse, thenkhat phei chuan fa ang hial a an en, hmangaihna tam tak kan hlan, kan ti thei awm e. Eng vaccine nge pek theih tih hi hrechiang kan la tlem hle a, tawi te in han sawi dawn the ang.

Vaccine hi Ui bikah hian a lar zual pahnih hi han thlurbing ila :

1. **Anti-rabies vaccine (ARV)** : Ui 'a' hri danna kan tih mai hi a ni. Hei chu kan hre tlangpui. Thla 3 an

tlin in a pek theih a. Chu chuan kum khat a veng a. Tichuan kum lehah pek leh tur a ni. Kum tin vawi khat pek tawh mai tur a ni.

2. **Combine vaccine** : Hei hi hming hrang hrang an pe a. Vaccine chi hrang hrang in kawp a ni. Kan hriat tlan dan tur chuan Ui hri hrang hrang laka venna a ni. A natna lanchhuah dan thin tlangpui chu- Kawthalo, ek thi, luak, kaih tih leh a dang te an ni a. A tihdam leh hi a har tawh thin a ni. A thenah chuan thih thutna te pawh a thlen thin.

He vaccine hi a pek dan chu : Thla 2 an nih in a pek tan theih a, thla khat hnu ah booster dose pek leh tur a ni (Booster dose hi vaccine hnathawh tihchak nana pek a ni a. Vawi 1 chauh pek pawh a paw lo a, vawi 1 aia tam pek pawh a paw lo). Tichuan a bak chu kum khatah vawi 1 pek tawh mai tur a ni.

Vaccine hi a hun taka kan lak thlap thlap chuan hri tam tak lakah kan him thei dawn a, a hnu a damdawi leh enkawl na hrang hrang a insen leh tawk tawk a ngai lo a ni. Mi tin te kan harh theuh chuan kan ran hmangaih tak te tan himna a lo ni reng zu nia !

SWINE FEVER

Swine Fever chu mizovin vawk pul hri ti a kan hriat lar tak, virus hrik vanga lo awm a ni Classical Swine Fever, Hog cholera emaw pig plague ti te in an sawi bawh thin.

He natna hi natna hi natna tihbaiawm tak leh thihna thlentu a ni. A pui rai lai chuan no an chhiat phah thin a, he natna avanga dam chhuak leh an awm pawh in an than a thu tlat thin a ni. He natna hi India ram a vawk vulhna state zawng zawng a bik tak in N.E states ah te a hluar hle.

A natna thlentu :

He natna hi virus chikhat Classical Swine Fever Virus – Pestivirus in a thlen a ni.

Natna vei thei ran :

He natna hi vawk leh sanghal in an vei thin.

Kai chhawn dan :

He natna hi kawng hrnang hrangin a in kaichhawn theih a, a pawimawh zual te chu

1. Swine fever vei vawk nena awm dunin.
2. Natna hrikin a tih bawhlawh chaw leh tui ei leh in in.

3. Natna vei a pa – pawltir leh a damlo chi kahrai atangin.

4. Chaw nawi – vawk hri vei sa chhum hmin si loh ei atangin.

5. Vawkin /farm tlawhtu mihring leh lirthei ten an pu darh thei bawh.

Natna lan chhuah Dan :

An kum upat leh natna thlentu hrik chak leh chakloh dan azirin a danglam thei.

1. A tirah an nguai in khawsik sang tak (106°F) an nei thin.

2. Chaw ei tui lo, taksa chak lo, mitna, hnar berh leh thawkna lamah harsatna an nei thin. chuvangin vawk vulhtuten Vety. doctor hnai ber hnenah report vat zel tur a ni.
3. An ek a khal a, kawthalovin a zui thin, a chang chuan an luak bawk thin. **A enkawl dan :**
Swine fever natna hian enkawlna damdawi mumal tak a nei lova, amaherawh chu a khawsik enkawl nan nachhawkna hman tur a ni. Tin, natna dangin a tlakbuak tur ven nsn broad spectrum antibiotic hman tur a ni.
4. Vawk varah chuan a taksa hmun hrang hrang – bengkawm, hmui, mei, dulnem, leh kap chhung lamah te a duk chhuak thin.
5. Vawk note te chu kil khatah an tawm khawm a, ni 10-15 ah an thi mai thin. Vawk lian tawh ah chuan thla 2-3 te damlovin a tawpah an thi leh mai thin. **Engtinge kan vawk te kan ven him ang :**
Swine fever natna ven nan vaccine pek tur a ni. Vawk note thla khat a tlinin vaccine pek tur a ni a, a hnu chawlhkar li naah booster dose pek leh tur a ni, a nih loh pawhin thla hnih an tlin ah pek a chumi hnu ah chuan thla ruk danah vaccine pek zel tur a ni.
6. A pui rai lai chuan a note an chhiat lo anih pawh in vawk note sawngnawi tak tak an hring chhuak thin.

A natna hriat theih dan :

A chung natna lan chhuah dan kan sawi bakah ni 3-4 chhung khawsik sang tak an neih chuan rinhlelh tur a ni. A natna finfiah tur chuan laboratory ah test a ngai a,

Vawk In/Farm ah mi hrang hrang luh tir loh tur. Tin, hmun dang atanga vawk note kan lak thar dawn in, a dam tha tih hriat ngei chauh lak luh tur a ni. Kan vawk in leh a vel te fai leh thianghlim takin kan vawng tur a ni.

Natna hri a lo len a tih tur te :

Kan vawk te an damlo anih chuan Veterinary damdawiin hnai berah report a Doctor rawn vat tur a ni. Ran damlo/thi chu ei tur a sawngbawl loh tur a ni a, damloh vanga thi reng reng chu kan hal ral loh pawhin thuk takah phum bo zel tur a ni.

Tin, Swine Fever hi mihringin an vein an kai thei lova, amaherawh chu vawk thi leh damlo kan sawngbawl na atangin vawk dangah kan kai darh thei a ni tih hria in fimkhur hle tur a ni.

KEIMAHNI

PROMOTION

A. Junior Grade of MAH&VS atangin Sr Grade of MAH&VS a kaisang:

Sl. No.	Name	Present place of posting	New place of posting
1	Dr K.Lalhlimpuii	V.O Tlabung	CVO Tlabung

B. Heng a hnuaia mi te hi Veterinary Supervisor atangin Junior Veterinary Extention Officer ah an kaisang.

Sl. No.	Name	Place of Posting
1	Lalbiakzuala	SVD Vairengte
2	Vanlaltluanga	SVH Champhai
3	Lalhmingmawia	SVH Kolasib
4	L.H. Lalnunmawia	SVD Tlabung
5	C. Saidingliana	SVH Siaha
6	Lalchhuanawma	SVH Lunglei
7	R. Tlanthanga	SVH Lunglei
8	T. Zenzachin	RAHC Kulikawn
9	V. Lalngaihawma	RAHC Chhiahtlang
10	Vanlalaiva	A.H Farm Thenzawl
11	Zonuntluanga	RAHC Lungpho
12	R. Lalsangliana	Polyclinic Hospital aizawl
13	T.C. Lalrinawma	Polyclinic Hospital aizawl