
EXPERIMENT 5 ARNATNA VENKAWNGA HMALAKNA HRANG HRANG

Zirlai ruangam

5.1 Thukamkeuna

A thiltum

5.2 Experiment

5.2.1 Thubul

5.2.2 Mamawh

5.2.3 A tih dan tur

5.2.4 Hmuh dan

5.2.5 Hmuhchhuah

5.3 Fimkhurna tur te

5.1 THUKAMKEUNA

“Bio-security” tih chu “him taka nun” tihna a ni a. Poultry farm hlawhtling tak nei tur chuan, ar hriselna vawnthat hi hlawhtlinna hmahruaitu a ni tih hriatring a pawimawh ang. Kawng dangin, ar vulh nunna chu kawng engkimah natna thlen thei natna hrik, boruak, tui, chaw, mihring leh hmanraw dang dang kal tlanga natna thlen thei laka him a ni tur a ni a.

A thil tum

He zirlai zawh hunah chuan hei hi tih theih alo ni ang:

- Natna ven kawnga bio-security pawimawhna leh a inngahna bul hriatfiahna.

5.2 EXPERIMENT

5.2.1 Thubul

Bio-security hian a kawh chu natna thlen thei natna hrik hrang hrang te farm emaw hmun khawimaw laibika a lut tur venkawnga hmalak dan hi a ni a. He hmalakna hian kawng hrang hrang heng farm a hnathawktu te tana thawmhnaw bik buatsaih, farm luh hma a inbual fai leh thawmhnaw thlak angte a huam a, farm chhunga pawnlam mi luh phallohte, ram sava tihbo leh a bul vela arvulh khap te, ke chiahna (5% phenol) siam te, farm chhunga hmanlai hmanraw hrang hrang faitaka vawn te leh uluk taka arthi sengbo te a huam bawk a ni. Hemi kawnga hmalakna reng reng chu a senso tlem thei angber ni thei sela, chutih rualin natna ven leh a darhtur ven kawngah kawngro sutak nithei sela a tha hle ang.

5.2.2 Mamawh

- Uluk taka sak poultry farm
- Farm luhka puibera luttur lirthei kahtianghlimna tur, hmanraw chhawpsa.
- Farm luh dawna kawngka puiber bulah ke chiah thianghlimna tur buatsaihna.
- Damdawi hrang hrang, ur thianghlimna tur damdawi.

5.2.3 A tih dan tur

Natna venkawnga hmalakna atana mamawh te, farm i tlawh tana tangkai tur enfel la, a hnuai a zawhna te hi chung i thil hmuh atang chuan a chhanna pe rawh:

(i) Farm awmna hmunhma

- 1) Farm chu hmun ualau laiah sak a ni em? (Aw/Aih)
- 2) Farm ah chuan ar chi hrang hrang (broiler/layers) an awm em? (Aw/Aih)
- 3) Ar chu an upat dan azirin dahhran an ni em? (Aw/Aih)
- 4) Thli thawt dan ber chu ar naupang lam atanga upalam hawiin a ni em? (Aw/Aih)
- 5) Ar in inkarhlat lam chu anih dan tur ang taka vawn a ni em? (Aw/Aih)
- 6) Poultry farm chu farm dang nen (alo berah 1.6km) a inhlat a ni em? (Aw/Aih)
- 7) Farm chu electric leh tuiah a hnianghnar em? (Aw/Aih)
- 8) Archaw, damdawi, vaccine leh thildang pawimawh lakluhna a hnaivai em? (Aw/Aih)
- 9) Natna hriatchhuah zung zung theihna hmun hnaivaiah a awm em? (Aw/Aih)

Note: A chung a zawhna chhanna “Aw” anih vek theih chuan, chu farm chuan natna venkawnga thiltul te a neitha hle tihna a ni ang.

(ii) Bio-security ruangam

- 1) Ar in te chu hmanraw hlun chi (Cement concrete leh inchung rangva tha) nen a sak a ni em? (Aw/Aih)
- 2) Farm chu pawnlam mi leh hmanrua te veivak venna atana hung tlat a ni em? (Aw/Aih)
- 3) Tui intur chuan mineral a vawngtha in, natna hrik laka him tawk a ni em tih leh damdawi hlauhawm thei pai kawngah a theih chen chen ah a fihlim em? (Aw/Aih)
- 4) Archaw vawnthatna hmun a hrangin a nei em? (Aw/Aih)
- 5) Ar in leh archaw dahna te chu ram sava leh sazu luhtheihlohna turin buatsaih an ni em? (Aw/Aih)
- 6) Inkalpawhna kawngte chu awlsam taka tihfai theih an ni em? (Aw/Aih)
- 7) Farm luhdawnah lirthei luttur reng rengin an rah ziah ngei atana siam, damdawi dahna siam a ni em? (Aw/Aih)
- 8) Arthi leh ar in chhuatphah hlui tihralna tur ruahmanna dang (incinerator/disposal pits) buatsaih a ni em? (Aw/Aih)

Note: A chung a zawhna chhanna chu “Aw” anih vek theih chuan, farm chuan biosecurity atana mamawh ruangam a nei tihna a ni ang.

(iii) Bio-security atana thathawh lam

- 1) Farm tlawhtu reng reng an chanchin kimchang heng; hming, company, tlawh chhan, farm dang an rawn tlawh tawh em tih te leh farm dang an tlawh leh tur te uluk taka chhianchhiah sak an ni em? (Aw/Aih)
- 2) Farm tlawhtu te reng reng chuan inbualfai leh thawmhnaw thlak an mamawh em? (Aw/Aih)
- 3) Nitin timakmawh tura buatsaih hna te tha taka zawm an ni em? (Aw/Aih)
- 4) Ar in hrang hrang te chuan enkawltu hnan an nei ve zel em? (Aw/Aih)
- 5) Farm luhhmaa inbualfaina tur hnathawktu te tan ruahman a ni em? (Aw/Aih)
- 6) Farm hnathawktu te tan thawmhnaw hnan siamsak an ni em? (Aw/Aih)
- 7) Damdawi nena ke chiah thianghlimna tur, in tin luh dawnah leh muallhan kal pawhna theuhah buatsaih a ni em? (Aw/Aih)
- 8) Thlaruk danah tal bahlah lovin tui tihthianghlim thin a niin leh tuithianghlim dan endik thin a ni em? (Aw/Aih)
- 9) Hri venna anih tur ang taka kalpui a niin leh a pekni leh Batch no leh thil tul dang te tha taka chhinchhiah thin a ni em? (Aw/Aih)
- 10) A khat tawkin laboratory rintlak takah hrivenna pek zawha hrivenna hnathawh that dan zirchian thin a ni em? (Aw/Aih)
- 11) Archaw te chu a chaw chawhpawlh hmang leh an himna that tawk dan endik fo a ni em? (Aw/Aih)
- 12) Ar rualkhat tihral anih zawh apiangin ar in leh hmanrua te chu damdawi hmanga tih thianghlim ziah an ni em? (Aw/Aih)
- 13) All-in-all-out an tih mai alo berah karhni a rei, ar rualkhat tihral leh a dang lak leh chhung a bik takin broiler vulhna ah ar in chu dah awl a ni thin em? (Aw/Aih)
- 14) Hmanraw hman nawn theih ang chi a bikin thil funna, artui dahna tray ang chi te hman leh dawnah tihthianghlim thin a ni em? (Aw/Aih)
- 15) Sazu laka venna kawng uluk taka zawm a ni thin em? (Aw/Aih)
- 16) Rannung chimawm dang laka venna uluk taka kalpui a ni em? (Aw/Aih)
- 17) Arthi taksa endik thin te chu uluk taka chhianchhiah a niin leh atul anga hmalak thin a ni em? (Aw/Aih)
- 18) Thiamna (scientific takin) hmanga arthi taksa te chu tih rural an ni thin em? (Aw/Aih)

Note: A chungaw zawnha te khi “Aw” ti a chhan theih vek anih chuan, chu farm chuan ar natna venkawnga tha thawh lam a nei tha tihna a ni ang.

(iv) Biosecurity chungchang, ar khawih thintu te tan

- 1) Farm a hnathawh hunchhungin hnathawktu te reng rengin apron, gum-boots, gloves leh hmuikhuhna an hmang vek em? (Aw/Aih)

- 2) Natna venkawnga hmalak pawimawhna te hnathawkho chuan an hrechiang em? (Aw/Aih)
- 3) Mitinin natna venkawnga fimkhurna tur te anih tur ang takin an zawm ngei em? (Aw/Aih)

Note: A chungaw zawnhna te khian chhanna “Aw” an hmuh vek chuan, chu farma thawkte chuan biosecurity atana mamawh an nei vek a tih theih ang.

5.2.4 Hmuh dan

- (i) “Aw” ti a chhanna pekzat ziaak rawh
- (ii) “Aih” ti a chhanna pekzat ziaak rawk

5.2.5 Hmuhchhuah

Natna ven kawnga hmalak anih dan huangzau deuhin, i hmuh dan atangin ziaak lang rawh.

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5.3 FIMKHURNA TUR TE

- Damdawi hmanga silfai leh ur thianglim te hi fimkhur taka tih tur a ni a, chutilochu ar tan leh a titu mihring tan damdawi te khan pawian thlen thei a ni.