

KA RUKOM RI SNIANG

Scientific pig rearing system



KRISHI VIGYAN KENDRA
JAINTIA HILLS
(Deptt. Of Agriculture, Govt. of Meghalaya)



WEST JAINTIA HILLS DISTRICT
JOWAI ; MEGHALAYA



KA JINGLAMPHRANG

U sniang u long uwei na ki mrad uba kongsan ha ka jingim jong ki briew jong ka thain shatei lam mihngi jong ka ri India namar ki briew jong kane ka thain ki ju bam bha ia ka doh sniang. Ka jingbam lane ka jingpyndonkam ia ka dohsniang ka kham bun lane heh arshah ha kaba ia nujor bad ka jingpynmih ia kane ka doh ha ki thain shatei lam mihngi. Ka jingpynmih jong ka doh sniang ha ki jylla jong ka thain shatei lam mihngi ka dang duna bha ban ianujor bad kiwei ki jylla sha ri thor jong ka ri India. Ka daw ka long ba ki ri ia ki sniang kiba duna ka jingpynmih bad ruh kiba duna ka jingheh. Ka daw jong ka jingpynmih duna ia ka doh ruh ka long ba ki nongrep kim pat da shemphang bha ia ka rukom ri sniang kaba mynta kaba ki ju ong ha ka ktien nongwei “Scientific Pig farming”. Kane ka rukom ri sniang kaba thymmai “Scientific Pig farming” ka ia pher bha bad ka rukom ri sniang ki nongrep ha ka liang jong ka rukom shna ia ki sem sniang bad ka rukom ban pynroi ia ki khun sniang. Lada pynlut kham duna ha ka jingshna ia ka sem sniang, thied ki tiar, ka rukom ai bam kaba biang bad ka lad ban duna ba ki sniang kin ioh pang kan iarap shibun ia ki nongrep ban ioh nong da kaba pyndonkam bha ia ka por bad ka bor met.

Haba khmih ia kine ki jingshisha bad phei phang ba ka donkam bha ban kyntiew ia ka rukom ri sniang bad ban kyntiew ia ka jingioh jong ki briew jong ka Jaintia Hills bad ruh kumjuh ia ka thain shatei lam mihngi ngi ia pyrshang ban iarap ai jin-ghikai ne khubor ha baroh ki liang kumno ban ri sniang.

KA JINGMYNTOI BAN RI DA KI SNIANG PHARENG BAN IA KI SNIANG LOCAL

Ki sniang local ki shim por kumba 6-7 bnai ban heh ki san ban ia nujor bad ki sniang phareng kiba shim por ban heh ban san kumba 9-11 bnai eiei. Kine ki sniang local ruh ki don ka bor ban ialeh pyrshah bad ki khniang jingpang bad ka rukom ri ka kmie sniang ia ki khun ruh ka biang bha. Dei ban jied bad ri ia ki sniang kiba don 75%-87.5% ka jingioh pateng na ki sniang phareng.



Ki mat	Sniang local	Sniang phareng
Jingheh jong ka met	Rit	Heh
Ka jingkhia	40-50 kg	80-100 kg
Ka bor ban tyllait ia ka jingbam	Sniew	Bha
Ka por ban heh ban san	Suki	Kloi
Jingpynmih ia ki khun sniang	6-7 tylli	10-12 tylli
Jingpynmih ia ka dohmet bad ka khlein	Duna	Kham bun
Jingpynmih ia ka	Duna	Kham bun
Ka jingshimpor ban kha khun	Kham shimpor	Kham duna ka por
Jingioh nong na uwei u sniang ha ka shisnem	Duna	Kham bun

KA JINGJIED IA KI SYMBAI

Ki jait ki sniang kiba iahap ban ri ha ka thain shatei lam mihngi ki long harum:

- **Hampshire** u long u jait sniang uba cross bad ki sniang local jong kiwei ki jylla jong ka thain shatei lam mihngi. (Nuksa: Lumsniang u long u sniang uba lah cross hapteng u Hampshire bad u Niang megha)
- U sniang uba ki khot u “Large Black”
- U sniang uba lah cross hapteng u sniang Tamworth bad Jharkhand local (TND)
- U sniang Ghungroo ka jylla West Bengal
- U sniang uba lah cross hapteng u Ghungroo bad u Hampshire

Kine ki jait sniang kiba lah cross (“crossbreed” ha ka ktien nongwei) ki kloi bha ban san ban heh, bad ruh kumjuh ban pynmih ki khun sniang kiba kham bha. Ia kine ki jait sniang lah ruh ban ri da ki rukom kiba kham duna dor da kaba pyndonkam da ki jingbam kiba ngi lah ban ioh ha iing. Na ka bynta ban ioh ia ki sniang kmie sniang kpa kiba bha, dei ban jied ia u sniang shynrang uba biang ka jingkhia jong ka met kat kum ka snem, ka jing lah pyniadei ka met bad ka rukom long ka suin bneng, ka jingdon jong ki pylleng kiba biang, ka rukom iaid bad baroh kiba ia dei bad ka jinglong u mrad. Ia ki khun sniang kynthei kiba hapoh ka shisnem bad ki bym pat kha khun dei ban jied na ka sniang kmie kaba lah ju kha khun barabor bad kaba ju kha ki khun sniang kiba heh. Barabor, dei ban jied ia ki khun sniang kynthei kiba kiba hapoh ka shisnem bad ki bym pat kha khun bad kiba don haduh 6-7 jur ki soh bu.

KA SEM SNIANG

Na ki jingwad ba kham bniah, lah shem ba ka sem sniang ka pynioh kumba 20% eiei ka jingioh nong na ka ri sniang. Te ka sem sniang kaba bha ka long kaba kongsan. Ia ka sem sniang lah ban shna na ki tiar kiba ngi lah ban ioh na ki khlaw kum u siej, ka dieng,u phlang bad kumta ter ter. Hynrei shuwa ban shna ia ka sem sniang ngi dei ban bud ia ki kyndon harum:

- Ka sem sniang ka dei ban long kaba rkhiang, kaba khuid, kaba kylluid bad ka ban da ia u sniang na ka jingkhriat, ka jingshit bad ka lyer.

- Ka bha ban shna ia ka sem sniang da ka dew bilat.
- Dei ban buh ki la ka jong ki kamra ia ki sniang shynrang, sniang kynthei kiba lah ju kha khun, ki sniang kiba lah pyniakhlad na ka kmie ban suk ka rukom ai bam bad ka rukom ri.
- Dei ban shna bha kin ala ban suk ban pynkhuid bad ban pyntuid ia ki jaboh
Ka rukom shna ia ka madan (floor space) ka pher na ka bynta ki sniang:

Ki mat	Jaka thiah na ka bynta uwei u sniang (sq.ft)	Jaka habar ban bam bad iaid na bynta uwei u sniang (sq.ft)
Sniang ba lah pyniakhlad na ka kmie	12-20	20-30
Sniang shynrang	35-50	50-70
Sniang kynthei kiba pynmih dud	70-100	70-100
Sniang kynthei ki bym pyn- mih dud	20-30	30-50



KA RUKOM AI BAM

- U sniang u lah ban bam da ki jingbam kiba lah tam na iing kum ki jhur, ka ja ba lah tam kyntait bad kiwei kiwei de hynrei dei ban khleh lang bad ka jingbam (“concentrate mixture”) kaba kynthup ia ki protein ka ban iarap tei ia ka met.
- Lada ym don kum kata jait jingbam (“concentrate mixture”) dei ban ai ia u sniang da u phan karo (kumba 60%), ka ja ba lah shet na u khaw uba lah phret ne tam kyntait (kumba 20%), ka jab a shet da u khaw ba bha (kumba 15%) ryngkat bad ki jingbam kiba don ka protein (kum ka dohkha,dohshieng,u shana budam bad kiwei kiwei de) ki vitamin bad ki mineral bad kane ka long kaba donkam bha.
- Ym donkam ban ai vitamin ia u sniang lada ngi ju ai ia u sniang da ki jhur jyrngam.
- Ka mluh ruh ka long kaba donkam bha ia u sniang bad dei ban khleh lang ha ka jingbam kumba 1.5-3.5 kg ha ka 100kg ka jingbam
- Ka iron bad ka potash ruh dei ban ai la ka jong ban ia da ia u sniang na ka jingduna snam
- Dei ban ai da ka umdih kaba khuid man ka por
- Ia ki jhur kiba lah tam kyntait dei ban da phon bha ban lut baroh ki khniang shu-wa ban ai ia u sniang
- Ki jait jingbam bad ka jingthew na bynta u sniang (Jingbam/Sniang/Ha ka shi sngi)

Ka jingbam kat kum ka snem	Jingheh u sniang (Sniang ba dang im) ha ka kg	Jingdonkam jong ka protein	Jingbam ba dei ban ai (ha ka kg)
Starter: Jingbam na ka bynta ki sniang kiba dap 21-35 sngi	5-15	20	0.5
Grower: Jingbam na ka bynta ki sniang kiba dap 2-5 bnai	15-20, 20-45	18	1.0, 1.5
Finisher : Jingbam na ka bynta ki sniang kiba dap 5 bnai shaneng	45-90	14	2.0
Sniang ba armet	100-150	15	3.5-4
Sniag ba pynmih dud	100-150	16	4.5-5
Sniang shynrang	70-150	15	2.5-3.0

KA RUKOM SUMAR

Ka rukom sumar ia u sniang ka long kaba kongsan tam namar na kane ngi lah ban ioh bun ka jingiohnong. Lada ka rukom sumar ia ka farm kam long kaba biang, ki sniang lane ki jait sniang kiba bha tam duh ruh kin nym lah ban pynioh ia ka jingiohnong

KA JINGSUMAR HA KA POR SHONGKHA BAD KHA KHUN

- U sniang shynrang u sdang ban shongkha ynda u lah dap phra bnai. Ym dei ban ai lad ia u sniang shynrang ban shongkha haduh saw sien ha ka shitaiew.
- Ka por shongkha ka dei ban long ha ka por mynstep lane ha ka por mynsngi
- Ki khun sniang kynthei kiba hapoh ka shisnem ki heh ki san ynda ki lah dap 6-11 bnai eiei bad kane ka shong ha ka jingheh jong ki. Ym dei ban pynshongkha ia ki khun sniang kynthei kiba don ka jingkhia duna ia ka 70kg.
- Dei ban pynkiew ka bam na ka bynta ki sniang kynthei haduh 0.5-1kg ha ka shisngi kumba 10-15 sngi shuwa ba pynshongkha khnang ba kin ioh bor.
- Ka jingkhmih ia ka jing kwah shongkha jong ki khun sniang kynthei kiba hapoh ka shisnem bad ki sniang kynthei kiba lah ju kha khun ka long kaba kongsan.

Ka dak jong ka jing kwah shongkha:

Ka jingpyrshang ban kiew ha ka sniang kynthei

- Ka jingleit pynjhieh man ka por bad ka jingheh u tdong
- Ka jingat ka jaka leit shabar
- Ka jingdon jong ka kynja ba dambit kaba mih na jaka leit shabar
- Ka sniang kynthei kaba hapoh ka shisnem lane ka sniang kynthei kiba lah ju kha khun kam lah ban khih lada khem ia ka met da ki kti.
- Ka jing kwah shongkha ha ka sniang kynthei kiba hapoh ka shisnem lane ka sniang kynthei kiba lah ju kha khun ka neh kumba 2-3 sngi bad dei ban pyn iashongkha ha ka sngi kaba ar jong ka jing kwah shongkha bad donkam kumba ar (2) sien ka jingshong kha ha man la ka 12-24 kynta ka jingiapher.
- Ka por kaba biang bha ban pynshongkha ia ka sniang kynthei kaba hapoh ka shisnem ka long ha ka sien kaba lai (3) jong ka jing kwah shongkha.

Ka sniang kynthei ka bym armet kan kwah shongkha biang kumba 21 sngi. Ka sniang kmie ka poi jingkhluid biang hadien 2-10 sngi da lah dep pyn ia khlad na ki khun.

KA RUKOM SUMAR HA KA POR ARMET BAD KHA KHUN

- Ha ka por armet dei ban sumar bha ia ka sniang kynthei. Kam dei ban bam palat namar kane ka lah ban wanrah ia ka jingeh
- Ia ka sngi ban shongkha dei ban dab uh jingthoh namar kane ka lah ban batai lano ka sniang kan kha khun
- Ka jingpun khun jong ka sniang kynthei ka long haduh 114 sngi.
- Dei ban ai dawai wieh ia ka sniang kynthei kaba armet kumba 3 taiew eiei shuwa ba kan kha khun bad dei ban buh ia ka ha ka sem kaba khuid ba suba
- Ka madan ka dei ban long kaba rkhiang bad dei ban siang ia ka jaka thiah da u skum kew lane kba
- Kumba 4-5 sngi shuwa ba kan kha khun dei ban pynduna ka jingbam haduh shiteng na ka bynta ka sniang kynthei kaba lah ju ha khun. Dei ban ai da ki jingbam kiba iarap ban tylliit kum u kew, u krai bad kiwei kiwei de.
- Kumba 24 kynta eiei shuwa ban ka sniang kan pun khun ka sniang kynthei kaba lah ju ha khun ka ju pyni ia ki dak kum ka jingtlot bad ka jingpang lane jinglynga bad kane ka pyni ka dak ban pynbiang ka jaka thiah.

- Ka shim por kumba 1-6 kynta ban ia ka sniang kmie ban kha khun.
- Mar syn dep kha khun ka sniang dei ban bret mardor ia ka jhep bad ym dei ban ailad ia ka sniang ba ka bam.
- Dei ban da phikir bha ban iada ban shah ban ki khun sniang ha ka por ba ka dang kha bad ruh hadien ba ka lah dep kha

KA RUKOM SUMAR IA KI KHUN SNIANG

- Hadien ba lah dep kha ki khun sniang hapoh ka 2 minit ki lah kloï ban buin na ka kmie bad pyrshang ban dih dud. Lada kim leh kumne dei ban rah ia ki hajan ka kmie bad iarap ia ki ban buin na ka kmie.
- Mar syn dep kha lada ioi ba ki khun sniang ki shem jingeh ban ring mynsiem mar amr dei ban sei ia ka eit mut na ka khmut bad shyntur jong ki bad dei ban pyrsad lyer lyngba u khmut bad shyntur jong ki.
- Ia u sohpet dei ban ot da ka khanshi kaba khuid bad dei ban ieh kumba 25 cm jingrong na ka met bad dei ban tah da ka dawai iodine ban lait ksuit
- Ka jingduna snam ka ju don bha ha ki khun sniang ynda ki lah dap 2-4 taiew namar ka jingduna jong ka iron. Lah ban ai dawai snam ia ki da kaba injek lane shu pyndih da u dawai iron.
- Ha ka jingshisha ia ka injection snam dei ban ai hadien 4-14 sngi naduh ba kha ia ki khun sniang
- Ia ki sniang shynrang ki bym donkam dei ban weng noh ia ki pylleng ynda ki lah dap 2-4 taiew.

KA JINGPYNIAKHLAD IA KI KHUN SNIANG NA KA KMIE

- Ka jingpyniakhlad ia ki khun sniang na ka kmie dei ban long ynda ki khun sniang ki lah dap 56-60 sngi. Ia kane ka jingpyniakhlad ia ki khun sniang na ka kmie ju khot weaning ha ka ktien nongwei
- Dei ban sumar bha ia ki khun sniang
- Ynda lah dep pyniakhlad na ka kmie dei ban ai dawai wieh bad ki jingbam ka ba biang ia ki khun sniang.

KA JINGSUMAR

- Ban duna ka jingiap jong ki sniang dei ban sumar bha ia ki sniang ba kin lait ban io-hpang.
- Ia ka sem sniang, kajaka ai jingbam bad um dei ban pynkhuid man ka sngi.
- Man ka por (kumba shisien ha ka 2-3 bnai) dei ban pynkhuid ia ka sem sniang da ka Lysol ban iada na ki khniang jingpang
- Ha ka por tlang ia ka jaka thiah ki sniang dei ban pyndonkam da u skum kba lane ka sharak
- Ia ki sniang kiba pang dei ban buh la ka jong bad ym dei ban buh lang bad ki sniang kiba koit.
- Dei ban don ka jaka kaba biang ban bret ia ka eit sniang bad ia ka jaka thliew eit sniang dei ban tap bha da u skum kba ban iada na ka jingkha pylleng ki skain.
- Ka jingai injek ia ki sniang dei ban leh man ka por khamtam ia ki jingpang kiba ju

kham ioh kum ka Swine fever lane ka jingioh baiong khlieh bad ka Foot and Mouth Disease (FMD) lane ka jingpang ki kjat bad ka shyntur.

- Lada lap kano kano ka jingipher ha ki sniang dei ban pyntip mardor ia ki doctor veterinary.

Ka rukom ai dawai

Jingpang	Snem	Ka por lane katno sien	Rukom ai dawai
Swine fever lane ka jingioh baiong khlieh	6-8 bnai	Man la u snem	Da kaba injek 1 ml ka dawai
Foot and Mouth Disease (FMD) lane ka jingpang ki kjat bad ka shyntur.	6-8 bnai	Dei ban ai man la ka 6-9 bnai	Da kaba injek 1 ml ka dawai



La pynbit bad pynbiang da :

U Dr. R. Suchiang, Subject Matter Specialist (AH & Vety.,)

U Bah M. Kharbuli, Farm Manager bad

I Kong D. Lyngdoh, Programme Asst. (Technical)

La pynsaphriang da:

U Dr. D. Pasweth, Senior Scientist & Head

KVK Jaintia Hills, Jowai