

Tin-Kang amashung Laina- Tinna:

Awa phadigom thaba matamda thoidokna leina tinna gi problem thengnade Karigumba kanda Low Cost polyhouse ta thaba matamda temperature yamna wangduna eshing ningthina chaibidrabadi manada Powdery mildew gi form lak pa thengnagani adubu ishing ningthina chaibiragadi adumak ngak thokpa ngam mi.

Lokpa/Pot-thok:

Awa phadigom tharaba matung numit 30-45 days shubadagi mana hekpa natraga pambi oina fuk aga market ta yon naba/yumgi chana ba harvest toubiba houba yarae. Ashigumba chat-na kanglon ashi gi matung enna tharabadi Loumee ichin- inao amashung unemployed youth shingna Awa phadigom loukhai ama thaba matamda tongan tonganba treatment sing gi matung inna chahi amada -

- ❖ Vermicompost @625 kg/1250 m² – Awaphadigom manna 768kg,
- ❖ Vermicompost @ 312 kg/ 1250 m² and mulch with rice straw @ 625kg/1250m² - Awaphadigom manna 1,437 kg,
- ❖ Vermicompost @ 312kg/1250m² and mulch with rice husk @625 tons/1250m² - Awaphadigom manna 1,157 kg hekpa ngammi.

Mathak ta pijariba vigyanic oiba chat na pathap sing ashi inbiraga Awaphadigom thabira badi eikhoina chahi gi income lakpada chaona mateng oigani amashung ashigumba indigenous oiba mamal yamlaba pambi makhal ashibu yokhatpada achouba mateng oigani ashidasu nattana sustainable agriculture lomda shu adumak kanaba mateng makhal ama oigani haibada haimanba thokloi.



Prepared by
DR. P. BIJAYA DEVI
SMS-HORTICULTURE

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Vigyanic oiba maongda **Awa-phadigom** **(Eryngo-Eryngium foetidum L.)** **thaba**



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Website: www.kvkbishnupur.com *Email:* kvkbishnupurdistrict@gmail.com

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Introduction:

Eryngo meiteilon da Awa-Phadigom/Shamaroi hairaga khangnei. Prithibida houjik thengnariba shameishya aing-asha gi khal kaitharakpa amashung ahongba lakcharabashu bigyanic oiba ma ong da tharaga shendong leina pot thok puthokpa ngamba indigenous spice amani. Awa-Phadigom/Shamaroi ashi hakchang da kanaba piba makhal vitamins amashung minerals marang kaina yaoba herb ni haina khangnei. Awa-Phadigom/Shamaroi Manipur da under utilised high value crop oina lounari.

Sijin-naba :

- 1) Hidak langthak : Fever, vomiting, burns, hypertension, headache, ear-ache, stomach-ache, asthma, arthritis, snakebite, diarrhoea, malaria, epilepsy, etc.
- 2) Thong thakpada : Sha, nga, yenshang thongbada mahao hengatnaba.

Thabagi matam :

Awa-Phadigom/Shamaroi ashi chahi chuppa thaba yai adubu hairiba pambi ashi biennial crop oina loubashu yai. Annual oina thabagi damak ti Feb-March aduwaida thabigani amaromda senda lambigi oina di market ta sendong yamna leigadaba matam khangdok aga thaba fei.

Chanaba mapham :

Awa-phadigom thaba matamda urum khara fangba inil lengdana leigadaba maphamda thabigani. Uhei wahei thaba marakta thabasu yam na phei.

Leibak-Leihao :

Awa-Phadigom ashi makhal ayamba leibak leihao da thaba yai adubu khara chot –chot laoba leipak makhal singda houba ngammi. Asumna chathok-pothok yamna fangnabagi damak khara ingba, inil lengdana leiba urum khara oiba maphamda thabigani. Adum oinamak hek chap chaba soil type hairagadi Clayey soil type amashung ashin ayakki chang (Soil P^H) 5.5-6.5 oigani.

Thapham shem-shaba:

Awa-Phadigom thanabagi damak thapham adu ningthina khoidoklaga pheidom naina shembigani. Pheidom shing adu 15 cm muk wangna chingkhatkani aduga pheidom ama mamgi apakpana 1.5-2m dagi heloidabani aduga ashangbana loupham natraga ishagi khudong chaba yenglaga semgani, pheidom amaga-amaga karakta 30-45 cm gi ahangba thambigani. Tharaba matungda eshing tungdanaba iram nala gi khudong chaba leigadabani. Awa-Phadigom ashi urumkhara fangba maphamda thabashu phei khudam oina inter-crop oina fruit orchard ta thabi bashu yai. Amaromda paisa khara thadharaga controlled structure 50% shade net house ta thaba shu yai.

Marugi chang :

Awa-Phadigom loukhai ama gi loupham da lingthok nabagi damak maru 50 g muk darker oi. Amaromda eikhoina chara semdabida thage hairagana Awa-phadigom maru 2.5-3.75 kg muk darker oi.

Chara sem shaba:

Raised bed method, Wooden box, etc. Awa-Phadigom maru hullaba matung maton chongbasi khara kuina changba maram na chaorakna 20-25 days da maton chongba hourak kani aduga hunba matung 45-50 days da ling thokpa yagani. Maton thuna chongnabagi damak GA3 (500 ppm) + Kinetin (50 ppm) maruda totpihouba natraga maru hullaba matungda chaibiba yai.

Thabagi ma-ong:

Awa-Phadigom thaba matamda chara oina sembiraga ling thokke haibiragadi 20 cm x 10 cm mukki arap akung thambigani. Natragana direct maru oina hunbige hairagana 20 cm mukki pareng semlaga maru hunbigani.



Har gi chang amashung chaiba :

Har/ Organic Manure gi chang ashi leibak leihao khetnabagi amashung soil test result ki makha polli. Adubu Research finding gi matung inna Awa phadigom thabada sijinnagadaba Organic manure shing gi manungda

- ❖ Vermicompost @625 kg/1250 m² before transplanting
- ❖ Vermicompost @ 312 kg/ 1250 m² and mulch with rice straw @ 625kg/1250m²
- ❖ Vermicompost @ 312kg/1250m² and mulch with rice husk @625 tons/1250m²

Har Chaiba/Happagi Ma-ong:

Vermi compost ashi aroiba khoiba matamda happi gadabani. Tharaba matungda charu natraga wai gumbana pambigi akoibada kupsinbirabadi Awa phadigom ashi Open field haibadi urum fangdaba ahangba mapham da thaduna pot-thok marang kaina sendong leina puthokpa ngam mi. Climate resilient technology “Mulching”toubagi kannaba hairagadi inil lengdana leihanba, napi houbagi chang hanthahalli ashina maram oiraga sendong leina pot thok yamna puthokpa ngamhalli.

Eshing Chaiba/chanba:

Awa phadigom tharaba matung khudakta ahanba eshing pibigani toubadabu nong chuba matam oiragadi pidrabasu yai. Awa phadigom thariba loupham adu matam leiba khibikta inil lengdana thambigadabani.

Makhong shomba:

Awa phadigom tharaba matung mana hekpa haibadi harvest touba loiraba khudingda napi pengba, makhong somba, takhatpa na chingba darker oi. Adubu mulching toubikhrabadi ashigumba operation si thoidok na darker oide.

Maton thatpa:

Awa phadigom tharaba matung da nganna leishat lakpa matamda maton adu thatpigadabani. Ashina mana yamna chonglak pada mateng pangi.