

Ran leh sangha a Azolla pek tur zat

Sl.no	Ranvulh/ sangha	Pek tur zat
1	Vawk	1.5-2 kg/day
2	Bawng	2.5-3 kg/day
3	Kel leh beram	200-300 g/day
4	Ar	20-40 g/day
5	Turkey	30-50 g/day
6	Sangha	20-40 g/day

Azolla khawi dan te

Tank method

Cement tanky, 3x3x20 feet siam hi duhthusam a ni a, hmun a remchan dan a zir in hei ai a zim te pawh in siam theih a ni. Lei chunglang hang hi hemi tanky chhungah hian 1ft vel a sang in dah tur a ni a, chumi hnu ah tui 1 ft

vel a sang in dah tur a ni. Azolla hi tlem hemi tui chungah hian chhuah tur a ni a, kar 2 vel lek hnuah chuan ni tin seng theih an ni thin.



Silpauline lined pit method

A siamna hmun tur hi uluk tak a thlawn fai hnuah ru-alrem tak a mam (level) tur a ni a. Khur (3x3x20 feet) hemi ah hian laih tur a ni. Silpauline hi phah hnuah, lei chunglang hang hi hemi khur chhungah hian 1ft vel a sang in dah tur a ni a, chumi hnu ah tui 1 ft vel a sang in dah tur a ni. Azolla tlem hemi tui chungah hian chhuah tur a ni a, kar 2 vel lek hnuah chuan ni tin 1 kg seng theih an ni thin.



Brick cornered bed method

Hetiang a Azolla khawina ah hi chuan lei laih khuar kher a ngai lova, brick hi rem hual mai tur a ni. 3x10 feet anga zau vel in brick hi rem a ni a, a san zawng hi 1 ft vel anga duan thin a ni. Silpauline hi phah a nih hnuah tui hi chhun leh tur a ni a, hemi ah hian Azolla hi chhuah tur a ni. Kar 2 vel lek hnuah chuan ni tin seng tur a lo awm tawh thin.



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Azolla - Lei tithatu leh ran chaw



Leaflet no.01/2015-KVK(LP)

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Azolla - Lei tihtatu leh ran chaw

Thuhmahrui

Azolla hi kâtchât chi khat, tui a lang chi a ni a, an tet em avang hian pâték pawh an ang zawk mah a, tui tlin na hmun ah hmuh tur a awm fo thin. Azolla hi hnime hring te tak te, zang deuh leh tui a lang thei an ni, an pung chakin an awmna hmun hi hun rei lo te ah an zam khat thei thin a ni. Azolla hian leitha (Nitrogen) ama tan a insiam theih avangin, a hrarpa a nitrogen a chawm a ngai ve lo a ni.

Azolla khawi nan a thil pawimawh te

Boruak sik leh sa : 20°C -32°C
Eng : Ni eng 50%
Boruak hnawmzawng: 65-80%
Tui (tuikhua tlin) : 5-15 cm
Tui thur/alna (pH) : 4-7.5

Azolla in a mamawh awmthei chu phosphorus a ni a, SSP tlem te pek hian an pung chak em em a ni.

Azolla tih pun dan

Azolla tih pun nan hian tuikhua/tui tlinna hmun a tui chim chin hi 15cm (½ feet) vel a sang tur a ni. Tuikhua leh leilet buh kar ah te pawh tha tak in an pung theih bawk.

Sik leh sa

Azolla hi Mizoram chhung hmun zawng zawng ah khawi theih a ni a, boruak sik leh sa 20°C atanga 32°C hi Azolla pun nan duhthusam a ni.

Eng

Azolla hi hmun daihlim lam deuh ah hian an pung chak in an hrisel a, leilet buh hmun ah te dah hian buh hlim hnua ah tha tak in an pung thin a ni.

Soil pH

Azolla hi lei thur leh al (pH) 5.2 atanga 5.8 ah hian an pung chak bik a, hemi avang hian Mizoramah uar tak a hman theih ani.

Azolla khawi lai a hriattur thenkhat te

1. Azolla hi lensuah a seng theih ni se a tha
2. Tui hi 25°C ai in sa lo se duhthusam a ni.
3. Ni sa lutuk dan nan shade net, di, dap etc a hman theih bawk.
4. Azolla hi a pun chak em avangin hmun a awkhkhat hma a, ni tin seng theih ni se a tha.

Azolla a nutrient pawimawh awm te

Azolla hian heng a hnua a nutrient pawimawh tak tak, thlai leh ran in an mamawh te hi a awm -

Sl. no	Nutrients	Composition
1	Nitrogen	5.0%
2	Phosphorus	0.5%
3	Potassium	2.0-4.5%
4	Calcium	0.1-1.0%
5	Magnesium	0.65%
6	Manganese	0.16%
7	Iron	0.26%
8	Crude fat	3.0-3.3%
9	Sugar	3.4-3.5%
10	Starch	6.5%
11	Chlorophyll	0.34-0.55%
12	Ash	10.0%

Source :- UNDP, 2011

Azolla hmanna te -

Biofertilizer atan

Azolla hi kum sang tam tak kal ta atang tawh khan leilet buh ah hian chin pawlh thin a ni tawh a. Azolla hian boruak a awm nitrogen hi a lo fawm khawm thei a, chuvang chuan leitha atan pawh hian tangkai tak a ni. Buh nen a chin pawlh hian hlo dang to tur tam tak a lo dip ve thei bawk a ni. Azolla hi tun dinhmun ah hian South-East Asia hmun tam tak ah biofertilizer atan hian hman mek a ni a, leilet a buh phun zawn hnu rei lo te ah Azolla hi leilet tuitling ah hian chhuah thin a ni. Azolla hian hlo lo to tur te a dip thi thin a, heng hlo te hi a lo tawih hian leitha buh in a mamawh tur a lo siam ve thin a ni.



A tangkaina te

1. Azolla hring 10 -12 ton/hectare a hman hian lei a Nitrogen awm 50-60 kg/hectare in a ti pung a, nitrogen fertilizer (Urea, DAP etc) hman hi 30-35kg/hectare in a ti tlem.
2. Azolla hman hian buh thar hi 20-30% in a ti tam. Buh chi thenkhat DR-92, RCPL-1-87-8, Mendri, H-2850 leh Manipur ah Azolla hman hian (leitha dang ring lovin) 30quintal/hectare a thar theih tih hmuhchhuah a ni bawk.
3. Azolla hian tui chunglang zawng zawng hi a chim khah thrin avang hian, hlo dang to tur a awm thei ngailo va, hemi avang hian loneitu tam tak a pui thei bawk a ni.
4. Azolla hian tui chunglang zawng zawng a chim khah thrin avangin tui hu riral mai tur a ti tlem in buh in tui an mamawhna a ti tlem sawt bawk.

Ran chaw atan

Azolla hian ran chaw tha tak tak – proteins, amino acids, Vitamin A leh B₁₂, beta growth promoters, calcium, phosphorus, potassium, ferro- magnesium leh thil dang tam tak a pai a ni. Mithiam ten Azolla hi ran chaw dang nen khaikhin in bawngchnute tui a ti tam theih tih an hmuhchhuah a, Broiler leh Layer tui te pawh enge-maw zat in an rih phah in an tam phah bawk a ni. Dry Azolla flakes hi Ar chaw atan te hman a ni a, Azolla hring hi sangha chaw atan pawh hman a ni thin.

Azolla hian protein (25-35%), minerals (10-15%), leh chaw tha dang tam tak a pai avang hian ran chaw pangngai a lo tlem chuan a ai ah hman theih a ni.

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