

Black gold- Swift composting hmanga siamchhuah leiṭha te kentel laboratory test hnua hmuhchhuah te:

Sl. No	Parameter	Result
1	Hnawnna	26.85%
2	pH	7.35
3	Total OC	19.91%
4	Total N	1.19%
5	Total P	2.68%
6	Total K	3.29%
7	C:N ratio	16.73

Hengte bakah hian Leiṭha siamtu thilnung mit lawnga hmuh thiehloh (microbes)- Nitrogen fixing bacteria te, Phosphate solubilising bacteria te, Potassium Mobilizing bacteria te leh Zinc Solubilizing bacteria te an tel bawk a ni.

Bawngek hring hian thlai tana ṭhalo thil tam tak a keng tela, a hringa thlai kan pek chuan thlai kang (burn) te, natna hrik pung ta

chiam te a thlen thei a. Up ṭawih ngei a ngai a ni, thla khat chhung leka bawngek ṭawih (compost) ṭha tak neih theih hi a hlu hle a, a siam chhung a reiloh mai bakah, thlai chawṭha tam tak an pai bawk a ni.



SWIFT COMPOSTING BLACKGOLD

THLA 1 CHHUNGA BAWNG EK LEITHA SIAM DAN

Buatsaihtu:

**Vanlalmalsawmi Sailo
SMS (Soil Science)
KVK Lawngtlai**

Bawngek atanga leiṭha siam dan hi chi hrang tam tak a awm tawh a, entirman- FYM, Compost, Vermicompost kan tih ang te hi. A tlangpuiin thla 3-6 te a duh ṭhin a, duh aiin a rei deuh hlek thin. Khitiang ang tho a leiṭha thla khat chhung leka siamchhuah theih a nihchuan a ṭha dawn hle a ni. Blackgold kan tih hi leiṭha, Swift Composting hmanga siam a ni a. Swift composting tih chu rang taka leiṭha siam dan tihna a ni. Chu mai bakah leiṭha dang te angin hnimhnah ro emaw, a hring emaw pawlh angai lova, bawngek hlang hmanga leiṭha siamna a ni baw.

Swift compost siam dan:

- Khur 20x3x2.5 feet a lian leh zau laih tur a ni.
- Bawngek Metric ton 1(1000kgs) kan chhung lut ang.
- Hetah hian *Trichoderma sp.* gram 250 tui liter 40 a chawhsawm kan theh ang.

- Hetia kan theh/pawlh hnu hian ni thum chhung silpaulin in kan khuh ang.
- Ni 4 ni ah kan let anga, *Pseudomonas sp.* gram 250 tui liter 25 ah kan tisawm anga, kan theh/leih leh ang.
- Ni thum chhung kan up leh ang.
- Ni 8 leh ni 12 naah a chung a kan pawlh ang *Trichoderma* leh *Pseudomonas* khi kan pawlh ṭha leh ang.
- Uluk taka chawhpawlh hnuah ni thum chhung kan up leh ang.
- Ni 21 naah chuan a chunglang cm15 vel bawr kha kan hai chhuak anga, kan phoro ang.
- A bak zawng kha ni 2 chhung kan up leh ang.
- Hetiang zel hian ni 23na, ni 25na, ni 27na leh ni29 naah pawh kan chhunzawm zel ang.
- Ni 30 naah chuan kan bawngek leiṭha zawng zawng chu kanlo

lachhuak kim tawh ang.

- Alo tuihul deuh hunah N, P, K, Zn mum tui liter 50 ah chawh tuiin kan phuh leh ang.

Swift compost khur laih hmanga siamchhuah tawhna result:

Endikte	Compost hma	Compost hnu
A rawng	Uk/dum	Uk/dum
pH	9.5	7.5
Rimchhiatna	Rimchhia	Rimchhelo
Hnawng	80%	25%
Chawhpawlh	Harsa	Awlsam
Composting%	0	100%

Bawngek hring Metric ton 1 atang khan Bawngek leiṭha (Compost) kg 750-800 siam chhuah theih a ni.

Bawngek khura up ṭawih (Pit method) hi lei chung a chhun pawn (Heap method) aiin a ṭha zawk baw.