



# Hlawk zawk a tlangram Lo neih dan (Improved Shifting Cultivation Method)



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Mizoram hi tlangram a ni a, changkha piantha ang mai a zawl awm tlemna ram a ni. Tlangram lo neih kan sawi chuan tlang buh (upland rice) enkawl sawina a ni thin a, phairam angin leilung a tha lova, thlai thar hlawk pawh a har thin. Fur ruahtui ngawt ring a thlai ching kan nih avangin leilung luang ral lo zawng leh tui hman tangkai dan leh hlo enkawl dan tha zawk te kan zawn a ngai a ni.

Kumin atan chuan Tlangram buh tuh a lo hun leh tan ta a, lo neih hi sawiselna awm bawk thin mahse tlangram a cheng kan ni tlat a, kan phaizawl neih ve te hian min daih vek si loh avang hian vawiin thlengin lo vat kan la awm a, fur 1 chhung a lo neih dan tha leh awlsam, hlawk zawk bawk si a tlang lo enkawl dan kan hriat atul a, a neitu chan chang awm ber pawh kan nih avangin kan lo neitute ban phak thiamna kan mamawh a, hriat chian atana thil tha tam tak a awm thei awm e.

## **Leilung buatsaih dan**

Ram ngaw thiah alo ngai a, hah takin lo kan vat a, kan vah thluk te chu a ro that lai takin kan hal leh thin. A kan that loh chuan thlai chin hunah a hnim nasa duh bik a, lei chunglang a hlo chi awm te ral vek khawpin kang na sela, hlo a to tlem a thlawh a nuam thin. A kan that loh chuan hlo a har thin a, kut hnathawh kan hreh chhan ber pawh ani. Chuvangin Lo a kan that theih nan a hal Hun leh Ni hi fimkhur a ngai hle. Mang kan khawh a, thlai chin nan kan thian fai a, ni sensa hnuaiah nasa takin bul tan a ngai fo thin a, mahse thlai chin hlawhtlin nan a bul tanna pawimawh tak anih vangin thahnem ngai takin an thawk thin.

## **Changkham (contour bund)**

Hei hi loneitu tam tak chuan an hmang tangkai tawh a, thenkhat erawh chuan an lo la hmel hriat vak lo. Mang khawh rualin a siam theih a, ram awih laia ruahtui luang chak lutuk lo ti muang tura buatsaih a ni. Ram awih tan zawngin mangkhawhna thing ui pum tiat atanga ban puam tiat vel kha kham in leiah tui luang dang chat thei turin a chan ve vel an phum a, ram awm dan azirin ft 20-30 danah thui takin an kham zawm thluah thin. Hei hian ruah tui luang chakin buh chi tuh a hawrhchhuah loh nan leh lei tha hang luang ral tur a veng a ni.

Thlawhhma a awih tan zawng a contour trench laih pawh hian lei tha luang ral tur a veng a, mahse fur khat atan chauh chuan kan ti peih thin lova, hei pawh hi a tangkai hle.

## **Damdawi a Buh chi chiah leh buh tuh**

Tlang buh kan chin hian buh natna hrang hrang a tam duh hle a, buh kan thar tlem phah fo. A ven nan buh tuh hma ni khan buh chi tin 1 chiah theihna tui ah damdawi Carbendazim (fungicide) 25 gm vel pawlhin buh chi darkar 1 leh a chan ve chhung chiah tur ani a, tichuan daihlim ah dah hul hnu in kan pho ro ang a, ro tha takin kan tuh leh mai dawn a ni. He damdawi hi a hlauhawm lova, kut kawr kan hmang lo anih pawhin thil ei dawnin sahbawn nen fai taka kut sil tho tur a ni. Damdawi hian buh natna awm thei lakah a veng dawn a ni. Tin, buh chi tuh hun hi a pawimawh hle a, fimkhur tak a ruahmanna fel tak siam sa a tih thin tur a ni. Buh thar tlai chin hi a hlawk duh kan tih rual hian hun a heh zawk a, tui lak tur nei tha lo tan pawh buh thar rang seng zawh ah ruah tui tla hnukung hmang tangkai tawh a thlasik thlai chin hi a hlawk a, kum 1 ah thlai vawi 2 an ching thei a, buh chauh chin ai chuan an hlawk zawk hle a ni.

## **Thlai dang chin pawlh**

Kan thlai chin dan hi mixed cropping ani ber a, buh bakah chawhmeh thlai line mumal pawh awm lovin kan chin pawlh nuaih thin. Thlai dang chin pawlh hi a hlawk a, chhungkaw mamawh tam tak a lo puhruk ve thin a, hmarcha, mai, fanghma leh sum chang thlai dang chin pawlh atang pawhin sum tam tak a lakluh theih a, chuvangin buh chin tibuai lo tur a sum chang thlai chin pawlh hi a pawimawh hle. Hun rei lo te chhung a tlang pang awih a thlai ching tur kan nih vang leh khaw kheng thut thei anih thin avang te hian ruahmanna fel tak

nenahma lak a ngai a, khawkheng vanga buh a lo hlawh chham pawh a inngahna tur thlai zung thlak thuk chi chin tel nual a tha a, be lam chi te hi khawkheng thut ah pawh zung an kaih thuk vingin an chhel a, an hnah hlai tak avang hian ruah avanga lei luang ral tur an veng tha bik a, chaw tha an ni bawk.

### **Hlo thlawh**

Tlang buh chin hreawmna ber chu hlo thlawh ngai nasa lutuk thin hi a ni. Hahdam zawk a hlo kan enkawl theih nan hlo chi thahna hman a awlsam ber a, hlo thlawh zawh hmasak ber ni atanga ni 2 chhungin hlo chi thahna damdawi Butachlor (machete) kha tui 1 ltr ah 10 ml hisap in pawlh tur a ni a, thlawh fai tawh lei hnawng kha kah vak mai tur a ni. Hei hian hlo rawn to leh tur kha nasa takin a that a, hlo thlawh ngai tawh lo khopin a veng thei. He damdawi hi thlai leh hlo chi tiak tawh ten an haw lo a, mahse chawhmeh thlai kah fuh kher loh tur a ni. Tin, damdawi hlauhawm lo ber chi ani tih hriat a tha a, mahse kah zawh ah fai taka sahbawn nen insil leh tho tur a ni.

### **Mulching**

Lei atanga hnawng, boruak a tham ral tur ven nana eng hmanrua pawh hman hi mulching chu ani mai a, mau leh thing hnah ro te leh hnawm eng pawh hmang a thlawh hma leilung kan khuh hian lei a tihnwang rei a, thlai tan a tangkai hle. Thlai bul rih vur pawh hi a huam a, hnawng avang hian thlai ten lei tha nasa zawkin an hmang tangkai thei a ni.

### **Leitha pek**

Tlang lo neih hi fur khat chhung chauh hman anih thin avangin a ram thatna awm sa ring a thlai ching mai thin kan ni a, lei tha kan pe ngai meuh lo. Ram chhe deuh ah chuan fertilizer leh ek dur pek a tangkai hle a, mahse mi tam zawkin kan tlin loh avangin ram chang tha vah leh mai hi kan tih dan ani. Lei tha kan pek theih loh pawhin lei tha awm sa hloh lo turin changkham leh mulching hmangin kan humhalh thei a, thlawh hma a fur ruah tui luang kan tih muan theih chuan leilung bakah lei hang tha tam tak luangral tur kan veng thei dawn a lo ni.

### **Thlai tichhetu laka venhim**

Khaw awm dan ang zelin thlai tichhetu rannung leh natna te an pung nasa ve thei hle a, thlai natna ven lawk nan damdawi hmang a thlai chi chiah hmasak te hi ahnu a buaipui leh vak ai chuan a sawt a, tin, rannung te pawh a tir lamah an inthlah pun tan laiin an tui leh note hmuh theih ang ang tihhlum thin hi a tangkai hle a, rannung tangkai leh hnawksak kan hriat hran a tul bawk. Tin, atul dan ang zelin thlai chhiat pukna thlen loh nan a hun taka damdawi hmang thei tur leh zuva ten an tihchhiat puk loh nan leh rannung leh natna lakah kan thlai a him leh him loh ngaih ven fo bawk tur a ni a, mithiamte a rang lama rawn vat hi a finthlak em em a ni.

Aw le, Lo vah hi kan bansan tak tak thei rih si lova, lo nei a eizawng ten hlawk zawk leh hahdam zawk a hna an thawh theih nan tih dan tha zawk an hriat a ngai a, tin, kan loneitute pawh hian an mahni ramah chuan scientist ang an nihna hi an hriat a ngai a, kan sawi tel loh pawh mahni a hlawk zawk leh awlsam zawk a thlai enkawl dan an lo zir ve a tul a, chu chuan rah tha zawk a thlen ang a, tun ai hian buh leh thlai lamah kan hnianghnar thei dawn a ni. Thlai chi damdawi a chiah te, changkham dan leh hlo chi thahna damdawi hman tangkai thiamna te pawh hian nasa takin Lo neih a tih awlsam theih avangin tun a eizawng mek te tan malsawmna ani ang a, kan tlang ram Lo neih dan ah hian hmasawmna a thlen ngei a beiseiawm hle a ni.