

## SYSTEM OF RICE INTENSIFICATION (SRI)

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Kan hotuten Zoram loneitu a chhuah tur SRI chungchang ziak turin minrawn ruat ve a. Ka thiam ang tawh, mawl leh tawi te, a nih dan bo silovin kan ziak ve a ni e. 'A chanchin hrilh chu ka duh, ka hrilh chu a ropuia' tih ang deuhivin SRI chanchin sawi hi a nuam a, a makin a ropuia kan sawi ning thei lo; miten hre ve se hi kan ti em em a ni.

SRI hi buhchin dan thar a ni a, buhchi a ni lo. Kum 1983 – '85 vel khan kristian puithiam Social Worker ropui tak Fr Henri de Laulanie, SJ-an, Madagaskar thliarkar atanga a hmuhchhuah a ni a. A hmuhchhuah dan pawh tihpalh (accident) thil mah zawk a ni. Antsirabe a farm school ah chuan an tum aia hmam buh tiak phun sawn a ngai ta a, tichuan ni 15 a upa chauh chauhte kha an phun sawn ta a, mahse a tha duhin a pengte a lo tam phian a, a thar a hlawk ta phian mai bawh si a. Chuta tanga lo lar chho ta a ni a. Madagaskar ram pawnah erawh chuan chumi hnu kum 15 zet 1999 khan a hmasa ber atan China rama Nanjing Agricultural University ah leh Agency for Agriculture Research and Development, Indonesia ten an enchhin ve tan chauh a ni.

Asia ram hi a titantu te kan ni a. Philippine, Sri Lanka, Cuba, Bangladesh, China, Cambodia, Indonesia, Thailand leh India te hi a tinasatu kan ni hriha. Heng ramah hian ti nasa tawh bawh mahse in zir chung zela uar chhoh zel a ni. India ramah chuan Rice Research Stationah chik taka zir mek a ni a, chuti chungin loneitu mipuite SRI zawm tir turin nasa takin tan an la bawh a. Govt of India pawhin a enchhinna leh mite kawhhmuhna tur (demonstration) atan sum tam tak a seng renga. Keini state tan nikum khan Rs 10.00 lakhs (Nuai sawm) kan seng a, chu chu unit 500 (acre 500) a demonstration tihna tur a ni. Kumin hian Rs 15.00 lakhs (Nuai sawmpanga) District hrang hrangah kan sem leh a. Leilet tamna district Kolasib, Champhai leh Serchhip te chu pek uar bik an ni a, nasa taka tan la tura tih an ni. Hetih lai hian district dang 5 leh Directorate pawh theihtawp chhuaha demonstration titura tih an ni ve tho.

India ramah hian Tamil Nadu, Kerela, Andhra Pradesh leh Tripura te hi SRI a hma hruaitu deuh an ni a, Tripuraah pheichuan a lar tawh hle a. An leilet neitu zinga 100 a 30 (30%) lain SRI hi an zawm tawh a report a ni. A ti apiangin an zawng chhang zel a ni awm e. Nikum kharif chhung khan Aizawl dai bul Reiek kawng bulah SRI hi enchhin a ni a. District hrang hrang Saiha, Lawngtlai, Serchhip leh a dangte atangin loneituten an rawn tlawh a. A hmu leh hria apiangin mak tiin tihve nghal ngei an tum hlawm.

*Contd....2/-*

SRI chungchang hi AIR (Air India Radio) Aizawl Station atangte, Doordharshan Aizawl atangte, Zoram loneitu 2008, Oct – Dec issue ah te, Tunlai Chanchinah leh nitin chanchinbu thenkhatahte tihchhuah a ni tawh a. Farmers leh Department Officers training ah te tihlan leh sawi a ni tawh thin a. Sawi tawh tih a awm lo, kan sawi zel anga, a tak pawhin kan entir zel bawk ang. Sawi nawn a nuam a ni.

National Seed Congress, January ni 18-20, 2010 New Delhi a neih chuan recommendation an siam 8 zingah SRI hi buh, buhtun leh a dang Breeder leh Foundation seed tihchhuah nan a recommend a. The Hindu Survey of Indian Agriculture 2009 ah pawh SRI hi buhthar zaa 50-100 (50-100%) a tipungtu mai nilova natna hri leh rannungte do thei zawk leh khawkheng (drought), buh tlu (lodging), thli tih chhiat (storm damage) leh a dangte pawh ti ziaawm tura sawi a ni a. Chubakah SRI tih dana an buh, lei, tui leh thlai chaw (organic) manage dan tih danglam vangin an ram, thasen, tui hman leh sum sen (capital) atanga tharchhuah a pung in a hlawk em em in a sawi bawk.

### **System of Rice Intensification (SRI) tihdante :**

- 1) Buhchi hi chiah uingho sa nise, chu chu a kuina tur chikuang, nursery kan tih mai uluk taka siamah rual taka theh tur a ni. Chikuang chu rih pawna, thingphel emaw dap emaw mau phel emaw a khuah tur. Buhchi theh hnuah lei dip leh di emaw buhpawl emaw a khuah tur a nia, ni khat danah emaw fimkhur taka tui pek tur. Buh a lo tiahin a khuahna hi dahsawn leh tur.
- 2) Hectare khat a phun turin buhchi kg 5 kui ila a tawh. Chutiang anih chuan acre khata phun tur kg 2 kui ila a tawh chiah. Nurseryte chu metre 1 a zau, a sei zawng erawh a remchan dan anga siam tur a ni. Lo a zau deuh chuan hmun hrang hranga siam a tha, a chi tiak thiar vel a awlsam zawk vangin.
- 3) Buh tiakte chu ni 8 a upa anih atangin a phun sawn theiha, ni 15 a upa thleng hi duhthusam ani. A ai chuan upa lo se a tha. Hetih hun hian buh tiakin hnah pahnih a nei ber. Thlai tiak dang phun pawhin a naupang pang phun a tha fo.
- 4) Phun sawn dawn hian buh tiakte hi pawh chi a ni lova, fimkhur takin thirphek emaw cement mistiri hmanrua grandhi te hian lawk tur a ni. An la naupangin an la no em em a, kan hliam hauh tur a ni lo. Minute 15-30 chhungin kan phun fel vek tur a ni. Heng buhtiak lawk sa pawh hi khote, tray te in emaw keng ila a tha. Hetianga buh phun hian a nung nghal maia, phun tirha a than chawl lailawk leh eng tiar tuar pawh a awm ve lem lo. Hetia buh tiak naupangte kan phun hian buhin than hun a neih rei phaha, chu chu a penguin a lo pun phah bawk a, buh a lo thar tamin a thar hlawk phah a ni.

- 5) Buh phun hian a tlar a ngil tur a ni a, a tlar a a bi inkar te pawh a inang thlap tur a ni. Square in an phun thin. Chumi awmzia chu a tlar kar pawh inches 10 emaw 12 emaw 15 emaw a ni anga, tlar 1 a a bi inhlat dan pawh inches 10 emaw 12 emaw 15 emaw a ni tur tihna a ni. Bi khatah pakhat chauh zel phun tur a ni a, pahnih alo awm palh a nih pawhin chu aiin a tam tur a ni lo. A bi leh thar khat dan hi a lei a that dan leh a buh penduh danah a innghat bawk.
- 6) Lei hi uluk taka leh tur a ni a. Lei pawh uluk tak leh chiar tha taka kawit tur a ni. A in level tha em em tur a ni bawk. Tin, phun lain tui a tling tur a ni lo.
- 7) A tlar ngil tak leh a bi inkar inang leh ngil, rual taka kan tihtheih nan hrui emaw hmawlh emaw, a hran a an siam marker an tihte hmang thei ila a tha hle.
- 8) Phun hnu pawh hian tui pek mai chi pawh a ni lova, a lei leh a ram leh khaw awm dan a zirin ni 2-6 danah te tui tling lova, a lei tihdawng khawp chauva pek tur a ni a, chutiang chuan kalpui zui tur. A leite pawh sin te te chuan khi sela a pawit lo, a khi nasa tur a ni lo thung. A tulzum tan atanga a seng hma ni 15 vel thleng tui pante a chim tir tur a ni a, chutah sah kang zui tur. Duhthusam ah chuan chhun pachan lai emaw ni sat vang laia tui pek loh hram tur a ni. Tui a mamawh tlem em avang hian Mizoram atan hian thil tih itawm tak a ni.
- 9) SRI tihna hmun hi tui control theihna nise duhthusam a ni. Tui tam lutuk pahna drainage channel leilet sirah awm sela; tin, bial chhungah pawh metre 2-3 danah tuitlinna tur channel emaw furrow emaw siam a tha bawk.
- 10) Hetianga SRI dana buh chin hian hnim pawh a thang duang duh hle, mahse phun atanga ni 10 vel atangin hnim hman lova hlo hi thlawh zel tur. Hlo tur hi recommend chu a ni chiah lova, a hnim awm a zirin hman pawh a tha zawk thei. Tin, Rotary Weeder (hlothlawhna) a awma, a tangkai hle. Hei hian lei a let chiara, hnim pawt phawiin leiah a hnim phum nghal bawka, lei titha tura tihdan kawngkhat a ni nghal. Weeder a hlo thlawh dawnin a hma nikhatah tui lo pek hmasak phawt tur a ni.
- 11) SRI dana buh chin hian a peng tam duh hle mai a, a zung a hriselin a sei bawka, hei hi a hlawkna chhan chu a ni. Bi 1 a buh tiak 1 lek phun si khan 60 te, 70 te leh 100 chuangte pawh a peng thei. Chuvangin phun khat hi a ngai a, rin ngam mai tur. A than chak avang leh a pen tam avang hian hlo thlawh pawh a hautak rei lo thung. A vui rau rauah pawh a zakzeh emaw vui puitling lo a awm ngai meuh lo.
- 12) Buh kung a thaa, a peng tama, a rah a that bawka avangin chaw a ei nasa in lei a da duh hle tura ngaih tur. Chuvangin leithain kan chawm uluk hle tur a ni. Leitha pek tur zatve hi Organic leitha nise a zatve dang erawhchu chemical fertilizer hmanga pek tur a ni thung.

Sawi tawh angin SRI danglamna chu buh chin dan pangngai aia buh a thar hlawk em em mai hi a ni a. Kum 2004-05 leh 2005-06 a Mizoram leilet a kan buh thar hlawk dan chu hectare khatah a hum in 26.80 qtl leh 27.30 qtl ani a, a buhfai erawh chuan 18.70 qtl leh 19.1 qtl a ni thung. Hetih hun chhung veka All India a buh thar dan chu 19.80 leh 21.00 qtl a ni thung. Hetih lai hian SRI tih dana buh chin erawh chuan a hum ani emaw a fai a ni emaw a hmun ngaiah a thar hlawk bik em em a, a let li (4) let nga (5) in a thar hlawk zawk a, hei hi Zoram chhunga Agriculture Department in a enchhinnaah pawh chiang taka hmuh a ni.

Agronomy Section, Directorate of Agriculture in 2009 kharif a demonstration (experiment) a neih result leh kum kalta kum 5 chhunga Mizoram a leilet leh thingtlang lova buh kan thar dan a hum leh a fai a chhut chhuah chu a hnung table 1 leh 2 ah tihlan a ni.

A tawp berah chuan mihring kan pung zel a, kan eitur mamawh pawh a pung zela. Chaw kan nghei thei lo. Chaw atana kan ngaih chu buh chauh a ni hrih bawk si a, chuvangin buh chin uar leh thar hlawk hi a tul em em a ni. Thlai chin hi a hlawk hranpa lo a ni mai thei, mahse kan mamawha kan nghei theih bawk si loh avangin kan uar zual zel tur a ni. Chuta tan chuan thlai chin leh thar hlawk dan pawh theihtawp chhuahin kan zir zel tur a ni. Chubakah kan lo leh thlai hmun te hi awl lovin kum tluanin thlai chin nan leh thar nan kan hmang tur a ni.