

## Vaimim chin dan (Maize cultivation)

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**Vaimim** (*Zea mays* L.) hi Buh tih lovah chuan thlai kan chin zinga pawimawh ber a ni a, tlangram leh phaizawl ah te a chin theih a, a hlawk avang leh a that duh em avangin “**Miracle crop**” an ti hial a, India ram NE leh Mizoramah chuan Lo (Jhum) ah kan ching deuh ber thin. NE ah hian chawhrualin 1 Ha. ah 1660.7 kg ang vel kan thar theih a, a variety leh kan chinna leilung azirin hei aia tam daih hi a thar theih baw a ni.

Vaimim kan hmanna tlang pui te chu mihring ei atan 35%, Ran chaw atan 50%, Industry leh food processing atan 15% te a ni a, vaimim hi a kawm no rawh hmin leh a fang char densawm chhumhmin in kan ei tlangpui a, a dang zawng chu vawk leh Ar chaw atan hman a ni.

### **Sik leh sa mamawh dan (Climate requirement) :**

Vaimim hi thlai mak tak mai a ni a, hlawhtling taka chin nan Boruak lum leh hnawng tak an mamawh laiin, hmun vawt tak leh tlangsang takah te pawh a chin theih a, amaherawhchu, vur tla leh zan lam boruak vawt lutuk (15.2°C hnuai lam) an haw em em a, thli avangin vaimim a tlu theih baw a ni.

### **A Leilung duh zawng (Land requirement) :**

Vaimim chin nan chuan ram tha tak, tawih dur awm tamna leh lei tak thatna hmun, lei thur zawng pawh pH 7.5-8.5 vel ni se a tha a, chinai pek theih chuan 1 Ha. ah 2 ton ang vel pek tur. lei thawl lam, tui tlin theih lohna hmun an mamawh.

### **Leilung buatsaih dan (land preparation):**

Terrace leh leilet zawl anih chuan ngun taka lei leh tur a ni a, zawl tha tak leh tui tling thei lo turin vawi 2 tal kan let chhuak ang a, hnim leh bawlhhlawh te fai tha taka thenfai tur a ni. Lei leh zawh rual hian vaimim ei chhetu lei hrik rannung te ven nan heng insecticides - Aldrin emaw Phorate te leh pawlh nghal tur a ni. Tlang ram Lo vah ah te kan chin dawn chuan lei leh a rem chang ve lo a, a bi tha takah vaimim te kan tuh mai ang a, vaimim ei chhetu lei hrik rannung te ven nan insecticides - Aldrin emaw Phorate te hi kan vaimim hmun ah kan theh mai tur a ni.

### **Vaimim chin hun (sowing time) :**

Vaimim hi fur lai a chin a ni deuh ber thin a, tunlai thiamna avangin kumtluanin a chin theih tawh a ni. Vaimim chin hun hi hmun hrang hrangah a inang lo a, Fur vaimim chin dawn chuan ruahtui tla hmasa ber tlak rualin vaimim chi an thlak nghal mai thin a, abikin tlangram ah chuan April –June chungin an ching tlang pui a, chin hma lutuk pawh tui pek that loh emaw ruahtui a tlak har leh si chuan kan hlawhchham pah theih a ni. Thal vaimim chin dawn chuan January – February ah chin tur a ni a, thlasik vaimim kan chin dawn erawh chuan October - November ah chin tur a ni. Tui leh thlai mamawh dangte kan pek that theih chuan thlasik lai leh thal lai pawhin hlawk zawkin kan thar theih a ni.

### **Lei tha pek dan (Fertilizer application) :**

Fertilizer pek theih dawn chuan 1Ha. atan Urea -200 kg, SSP-500 kg leh MOP-150 kg leh Zinc sulphate 25 kg te chin rual a pek tur a ni a, khup chen vel an lo nihin Urea – 200 kg pek leh tur a ni. leilung buatsaih laiin Bawng ek leh pawlh a tha a, chin hma thla 1 ah bawng ek hi leh pawlh hial tur a ni.

Tlangram ah chuan ram awih ah kan chin avangin thlai bul tinah fertilizer te pek a ngai thin a, Urea chauh dik taka pek pawh hian nasa takin thlai thar a ti hlawk a, fertilizer tel lo chuan a tha rual lova, ei a tling duh lo khawp mai a, hlawhtling taka ching tur chuan fertilizer hi dik taka hman ngei a tul a ni.

### **A bi hlat zawng (spacing) :**

Vaimim hi a bi hlat zawng mumal tak neia chin a tha a, hlawk zawk leh a enkawl nawm zawk nan line a chin ngei ngei tur a ni. A bi in hlat zawng 60cm X 30cm ni thei se a tha a, thalsik ah phei chuan hei aia zing nise a poi lo a ni. Tlangram ah chuan phai zawl angin line siam hi a harsa deuh thin a, mahse tuh tawp tawp mai lova tlar mumal tak neih tir hi a tha zawk a, line nei a chin ngei ngei tur a ni.

#### **A chi mamawh zat (seed rate) :**

Vaimim char leh a chi atana kan chin dawn chuan 1 Ha atan a chi 15 - 20 kg a tawk a, bawng chaw (fodder) atana kan chin dawn erawh chuan a bi zing taka chin atul avangin a chi pawh 35-40 kg lai a ngai a, vaimim kung puitlin rualin bawng chaw atan an sat vek mai thin a ni.

#### **Tui pek dan (irrigation) :**

Vaimim hi ruahtui tlak thatna hmunah hlawhtling takin a chin theih a, ruahtui 60cm vel a tam leh rual khai taka ruah tui tlakna hmunah a tha a, vaimim par lai leh a fang in siam laia tui duh khawp a hmuh loh chuan a thar hlawk lo duh hle a ni. Thlasik leh thal vaimim kan chin chuan a hun takah tui pek theih a ngai a, abikin vaimim tiak hlim leh khup chen vel an nih lai te, vaimim par lai leh a fang in siam lai te hian tui pek that a ngai em em a ni.

#### **Hlo thlawh dan (weeding):**

Vaimim hmun chu a tir lamah a hnim nasa duh hle a, thlawh fai vat loh phei chuan an than theih loh phah hial a, churang chuan chin atanga ni 20 dan zelah thlawh fai tur a ni a, vawi 2 thlawh chhuah chuan vaimim ten hnim an dip ral tawh zawk thin a ni. Thlawh fai rual hian rih vur nghal thin tur a ni a, hei hian a zungah boruak luh theihna lei thawl tha a siam avangin an that pui hle thin. Fur lai chuan ruah a tlak tam thin avangin hlo thlawh te a hau tak duh hle a, churangin hlo tur (weedicides) hman a tangkai hle a, Simazine emaw Atrazine (1-1.2kg/ha) te hi hlo thlawh fai hlim ah kah tur ani a, hei hian nasa takin hlo thlawhna senso leh hun leh tha sen a tih tlem phah a ni.

#### **Rannung leh Natna lam (Pest and Disease management):**

Vaimim tichhetu Rannung leh Natna hrang hrang a awm thei a, vaimim kawm leh a zik eichhetu (cob and stem borer) rannung an awm a, Carbaryl a vaimim kah leh Carbofuran leilung buatsaih lai a theh in a ven theih. A hnah natna Turcicum leaf blight hi a lar a, ruahtui tam vang leh khaw vawh lutuk avangin a awm thei a, Dithane M 45 tui litre 1 ah 2g pawlh a vawi 3 ni 15 danah kah tur a ni. Harsatna a awm chuan mithiam zawk te a ranglamarawn vat a tha ber.

#### **Vaimim seng hun (Harvesting) :**

Vaimim chu a seng a lo hun chuan a fang te a lo char a, vaimim kawm pawh a hring kha alo eng a, a hnah te pawh lo eng tanin a lo ro a, an kek tawh mai thin a ni. A seng hunah chuan vaimim fang pawh lo char in tui 20% vel chauh an pai thin a ni. vaimim seng sa chu ni sa ah an pho ro leh a, char tha taka pho ro hnu ah hmun him leh hul tha takah an dah tha tawh mai thin a ni. Vaimim hi a variety a zir leh enkawl dan azirin a thar zat a inang lo thei hle a, 1Ha ah 20 quintal atanga 70 quintal thleng a thar theih a ni. Vaimim kawm char hi mal thlak a hau tak thin hle a, hmawlh hmang a vuak tilh te, khawl mawl emaw khawl hmang a nuai te a ngai a, tam tham ah phei chuan hna hau tak zet a ni thei a, khawl (power operated sheller) hmang a nuai a ngai tawh thin a ni. Bawng chaw atana kan ching anih chuan vaimim fang no lai in a kung chawp a sah tur ani a, tichuan bawng an pe tawh mai thin a ni. 1 Ha atang hian vaimim kung (Bawng chaw atan) 400 - 500 quintals a seng theih bawk.

**Vaimim chi hrang te (varieties):** Variety hrang hrang a awm a, heng local vaimim kan neih Mimpui, Mimban leh Puakzo bakah Hybrid variety leh composite variety tam tak a awm a ni. Composite variety chhuak thar – RCM 75 leh RCM 76 hi ni 110 ah an puitling thei a, tin, 1 Ha. ah 70 qtls lai a thar theih avangin chin tlak tak mai a ni. HQPM variety te pawh hi ran chaw atan a tha leh hlawk tak a ni bawk.