



Ka rukom rep ia u
Sohñiamtra

Citrus reticulata

U SOHÑIAMTRA

Citrus reticulata

Ka longing- Rutaceae

U dieng sohñiamtra u long u dieng uba ju syriem ia kiwei pat ki jait soh na kajuha ka longing, bad la ju bam ia u kum u soh lane kum ki jingkhleh salad. Une u dieng soh u ju mih ha ka jaka ba dei sngi bha bad ba kham syiad. Ka jingthung ia une u soh ka long kumba 50% ka jingbun ki brisoh ha ri India. Īa u sohñiamtra, la ju thung ha kylleng ki jylla kynthup ia ka jylla Meghalaya, Assam bad kiwei kiwei ki jylla ha ki thaiñ shatei lam mihngi. Une u soh u don bun ki jingbsa kiba bha (nutritional value), bad u long uba thiang bha. Ha ka jylla Meghalaya, ki dieng sohñiamtra ki mih ha ki sharing lum kiba markhap bad ka ri Bangladesh. Ki soh kiba kham bha ki wan na ki bynta shathie jong ki war bad war-jaiñtia, ha kaba ka khyndew bad ka suiñ bneng ki long kiba iahap bha na ka bynta ka jingheh jingsan jong u sohñiamtra.

KI JAIT:- Nagpur Santra, Coorg Santra, Khasi Mandarin, Kinnow Mandarin, bad kiwei kiwei

KA KHYNDEW & SUIÑ BNENG:- Ki dieng sohñiamtra ki mih bha ha ka jaka ha kaba ka khyndew ka long kaba synjor (loose) bad ioh lyer bad kaba lait na ka syrtap khyndew kaba eh. Ka jingthew ia ka pH (ka jingbun ne jingduna ha ka acid) hapoh khyndew kadei ban long 5.5 -6.5 na ka bynta ban thung ia u dieng sohñiamtra. Watla ki dieng sohñiamtra ki lah ban mih ha ka jaka kiba ka suiñ bneng ki iapher, hynrei ki ju mih bha ha ka jaka kiba kham syiad bad badei sngi, bad ka haw haw jong ka suiñ bneng ruh ka kham bun; bad ki donkam ia ka jingshit-jingkhriat kaba 15-30oC.

KI SARA SOHÑIAMTRA:- Ka jingsdang jong ka jingthung ia u sohñiamtra ka long kaba donkam eh na ka bynta ban pynmih ia ki soh kiba bha. Dei ban lum ia ki tynrai jingthung na ki tynrai kmie kiba bha kiba lait na ki khñiang jingpang. Don katto katne ki rukom pynmih ne pynroi ia ki dieng sohñiamtra.

DA KI SYMBAI:- Bunsien ia u sohñiamtra, la ju pynmih ia ki tynrai jingthung lyngba ki symbai; bad na ka bynta ban lum ia kine ki symbai dei ban jied na ki diengsoh kiba kham bha, bad kiba lait na ki jingpang, ba ka rta jong ki dieng kadei ban long la kumno kumno 15 snem shaneng. Dei ban jied ia ki soh kiba lah ih na ka bynta ban weng ia ki symbai. Ki symbai kiba dang shu weng na ki soh ki kham seisoh kham kloï ban ia ki symbai kiba lah iaw. Īa ki symbai ba la lum, dei ban sait ha ka um bad kito kiba per pat sa bret noh bad sa thad ha ka jaka bym dei sngi. Ka long kaba bha ban thung ia ki symbai ha ka por pyrem bad ha ka por ba sdang lyiur. Dei ban bet shuwa ia ki symbai ha ka jaka pynkhreh kum ki nursery ha ka jing jylliew ka khyndew kaba 1-1.5cm bad ka jingiar kaba 10 bad 3cm. Dei ban ai um ia ki jaka bet symbai; hadien 2-3 taiew ki jingthung ki sdang ban mih bad ia kine ki sara, la ju thung pat ha kiwei ki jaka ynda ki la heh kumba 4-6 inshi ka jingjrong bad ynda ki lah don 4-6 tylli ki sla.

DA KA RUKOM BSUH IA U TNAT HA KA SNEP JONG UWEI PAT U DIENG (BUDDING):-
Dei ban jied ia ki tnat/thied (scion/bud) na ki diengsoh kiba khlaiñ kiba lait na ki jingpang bad dei ban phut noh ia ki sla shisien shi taiew shuwa ban krap/ban bsuh ia u thied ha uwei pat u dieng (grafting/budding). Ki tynrai diengsoh (rootstocks) kiba bha ki long u Rangpur lime, Rough lemon, Cleopatra mandarin, bad kumta ter ter. Dei ban leh ia kane rukom thung (budding) ha ki bnai (February) Rymphang-March (Lber) lane ha ki bnai (July) Naitung- August (Nailar). Dei ban ot ia u thied ha ka snep ha ka dur kum u “T” da kaba pyndonkam da ka tari, bad ot kumba 15-20cm halor ka sla khyndew. Ka snep kadei ban don kumba 2.5cm ka jingjrang bad dei ban don u thied na ka tynrai kmie. ĩa une u thied, dei ban bsuh ha u tynrai diengsoh nangta sa kyllaiñ bad teh da ka plastik bad ieh ia u thied napdeng ba un mih sla.

DA KA RUKOM KRAP (SOFTWOOD GRAFTING):- Ka por ban krap kadei ha ki bnai Naitung (July)-Nailar (August); ki tnat dieng ban leh krap kidei ban don kumba 6 bnai ka jingjaw bad dei ban kheit ia kine ki tnat na ki tynrai (mother plant) kmie jong ki diengsoh 7-10 sngi shuwa ban krap. Kheit noh ia ki sla na ki tynrai diengsoh (rootstock) kiban krap bad ieh tang 2-3 tylli ki sla ha u dieng. ĩa u tnat uba la kheit lut ki sla (scion), dei ban pynwandur kum u snar (wedge grafting); bad sa bsuh ia une u dieng ha u diengsoh (rootstock).

KA RUKOM THUNG HA KI BRISOH

KA JAKA THUNG:- Ka jaka/briso kadei ban long kaba ioh sngi bad ka jingiada na ka lyer kaba jur. Ka khyndew kadei ban long kaba jylliew, ba synjor bad ba biang ka rukom tuid jong ka um hapoh khyndew.

KA JINGPYNKHREH IA KA JAKA THUNG:- Dei ban pynkhuid lut ia ka jaka thung na ki sla iap, ki dieng, ki ñiut ki ñier. Ha ki jaka lum, dei ban thung lyngba ki lum na ka diang sha ka mon (contour system). Tih ia ki thliw kiba heh 60x60x60 cms kiba jngai 5 mitar na kawei sha kawei pat katba lah ha ki laiñ kiba beit. ĩa ki thliw kiba lah tih, dei ban ieh shuwa ha sngi kumba 15 sngi eiei. Lah ruh ban pynkhuid ia ki thliw da kaba thang ia ki tnat dieng hapoh thliw. ĩa kawei pa kawei ka thliw, pyndap da ka khyndew ba lah tih shabar, nangta ka sboh eit/sboh ñiut kaba 15 kg. Nangta sa thung beit hamar pdeng ia ki diengsoh bad sa tap bad ñion bha ia ka khyndew.

KI SBOH BAD DAWAI SBOH:- Dei ban ai sboh ha u bnai Nohprah bad dei ruh ban phiah ia ka jingai sboh dawai haduh ar ne lai bynta. ĩa ka bynta kaba nyngkong (first dose) dei ban ai ha ki bnai Lber-ĩaiong (March-April) bad ia kiwei ki bynta (dose) ha ki bnai Jylliew-Naitung (June-July) bad khatduh ha ki bnai Nailur-Risaw (September-October). Dei ban ber ia ka sboh ñiut bad sboh dawai baroh sawdong u diengsoh ha ka thliw ha kaba ka jingjylliew ka long 10cm bad ka jingiar ka thliw ka long 30cm; ka jingjngai jong ka thliw na u diengsoh baroh sawdong kadei ban long kum shi phut (1 feet). Katba nang heh bad san ki diengsoh, dei ban ai sboh kham jngai

shuh shuh na u diengsoh. Ka jingber ia ka shun (lime) 3kg ia uwei pa uwei u dieng ka pynbha ia ka khyndew.

Ka jingai sbob ñiut bad sbob dawai ia ki diengsoh ha ka por shuwa ban seisoh bad ynda lah seisoh :-

Ka rta jong ki diengsoh	KATNO YN AI/UWEI U DIENG/SHI SNEM			
	Ka sbob ñiut/eit masi (FYM) (kg/uwei u dieng)	Ka sbob shini-Urea (g/uwei u dieng)	Ka sbob dpei-SSP (g/uwei u dieng)	Ka potash-MOP (g/uwei u dieng)
1.	10	200	600	200
2.	15	400	900	400
3.	20	600	1200	500
4.	25	800	1500	600
5.	30	850	1800	600
6.	35	1000	2400	900
7.	35	1200	2700	1100
8.	35	1300	3000	1200

KA JINGSUMAR IA KI DIENGSOH:- Dei ban ot noh ia dieng kibym donkam ha ki por pyrem ha ki snem ba nyngkong haduh u snem uba lai. Ha u snem uba nyngkong, dei ban pom noh ia ki tnat kiba jrong haduh 60cm. Nangta, baroh ki tnat kiba pyiar shajrong dei ban ieh beit. Ìa ki dieng kiba lah sdang ban seisoh, dei ban pom noh ia ki tnat kiba pang bad kiba tlot.

KA JINGAI UM:- Dei ban ai um ia ki jingthung ha ki por ba tyrkhong; kata ha ka sien ba nyngkong ha ka por thung bad hadien pat dei ban ai hadien 15-20 sngi man la ka por ha ki bnai Risaw (October) haduh Kyllalyngkot (January) bad hadien 7-10 sngi man la ka por ha ki bnai March (Lber) haduh Jylliew (June); dei ban ai um tang ban shu pynjhieh ia ki thied (roots)hapoh khyndew.

KA JINGTHUNG BYNRAP:- Lah ban thung bynrap bad kiwei kiwei de ki jait jingthung khnang ban pynioh nong bad ruh ban pynskhem bad pynbha ia ka khyndew; hynrei kane ka jingthung bynrap dei ban pynsahngheh ha ka por ba ki diengsoh ki la sdang ban seisoh khnang ban ym pynwit ne ia knieh jingbam bad u diengsoh. Ki jingthung kiba lah ban thung bynrap kidei;

- *Ban ym pynwit ia ki diengsoh*
- *Ym dei ban thung da ki jingthung kiba pur*

- *Ki jingthung bynráp kim dei ban donkam ban tih/lur than ia ka khyndew*
- *Kim dei ban jrông palat*
- *Kim dei ban slem/shim por than ka jingheh jingsan jong ki kum u sying, shynrai. Dei ban thung da ki jait jingthung kum u phrisbin, u soyabean, ki jhur ki jhep, bad kiwei kiwei kiba pynbha bad pynseisoh ia ka khyndew.*

KA JINGTHIEW ÑIUT:- Dei ban thiew ia ki ñiut ki ñier kiba mih baroh sawdong ki diengsoh. ĩa ki kine ki sla iap lah ban pyndonkam ha ka ban tap ia ka khyndew ban pynneh ia ka jingsyiad shapoh, ban iada na ka jingtwa ne jingtuid ka khyndew bad ruh ban ai jingbsa ia ka khyndew.

KA POR KHEIT BAD KA JINGMIH:- Ki diengsoh ki sdang ban seisoh naduh u snem uba phra haduh u snem uba shiphew. ĩa ki sohñiamtra, la ju kheit naduh u bnai Naiwieng (November) haduh Kyllalyngkot (January) ynda ki lah sdang ban long rong soh bad ynda ki lah ih. Ha ki snem kiba dang sdang seisoh, la ju kheit kumba 40-50 tylli ki soh; bad kumba 800-1500 tylli ki soh lah ban ioh na ki brisoh (orchard) kiba la don 20-30 snem ka rta.

KI JINGPANG

1. Ka jingpang iap iong ka snep lane Gummosis/Foot Rot (Phytophthora spp.)- Ki dak jingpang kiba paw
 - Kane ka jingpang nyngkong ka paw da ka jingmih um kaba long kum ka gum kaba lam saw
 - Kane ka jingmih um ka kylla tyrkhong bad pait
 - Ki thied jong ki diengsoh ki pyut bad ki sla ruh ki hap noh
 - Bunsien u dieng hi baroh uwei u iap noh lada ym sumar

Ka jingiada-

- Dei ban kiar na ka jinglang ka um ha khyndew
- Dei ban shna da ki nur baroh sawdong u diengsoh ban jngai na ki jingai um
- Khrud noh ia ki bynta ba la ktah ka jingpang bad sa tah da ka Bordeaux paste shuwa bad hadien ka por lyiur
- Ka jingkráp ia ki tnat dieng kadei ban jngai la kumno kumno 15-20cm na sla khyndew
- Ka jing pyntuid ia ka um kadei ban biang

- Dei ban kiar na ka jingpynmong ia ki thied (roots)
- Dei ban ai sboh ñiut bad kiwei kiwei de ki sboh kiba bha

2. Ki khñiangsamthliew ia ki tnat-

Ki dak jingpang kiba paw-

- Kine ki jait khñiang ki pynjulong ia ki dieng sohñiamtra ha kaba ki bam lut ia ki dohmet jong ki tnat kiba shapoh

Ka jingiada-

- Ka jingsumar ka long kumjuh kum ia u ñiangsamthliew jong ki diengsoh kumba la kdew haneng

3. Ki khñiang bamsla (Lemon butterfly)-

Ki daw jingpang kiba paw-

- Kine ki khñiang ki bam ia ki sla kiba dang lung, khamtam eh ha ki jaka thung tynrai kum ki nursery
- Kine ki khñiang ki pynjulong beit baroh shi snem
- Ki kha pylleng ha ki sla ba dang khie lung; bad kine ki ksaiñ ki jrong kumba shiteng haduh shi centimidar

Ka jingiada-

- Synreit da ka dawai neem ba la pynkhreh -1 kg u neem kek ha ka 10 litar ka um
- Synreit da ka dawai Thiodan EC @ 1-1.5ml/ha ka shi litar ka um lada kham jur ka jingpynjulong

4. Ki skaiñ kiba bam sla (Aphids) –

Ki dak jingpang kiba paw-

- Kine ki khñiang ki kjit bad bam lut ia ki dohmet ba shapoh jong ki sla bad ki tnat dieng
- Ki sla kiba la kem pang ki kdor noh
- Kine ki skaiñ ki pynmih ia ka kynja um kaba long rong kum ka ngap bad kane ka pynpyut ruh ia ki tnat

Ka jingiada-

- Synreit ia ki sla bad ki jyntang da ka dawai um Dimecron 85WC @0.5ml/ha ka shi litar ka um na ka por sha ka por khnang ban pynduna ia ka jingpynjulong jong kine ki khñiang.

Published by:

Agriculture Information Wing

Directorate of Agriculture

Period of Revision: July 2018