



~^~ Priv Drcv`b I ubw`0  
c×wZtZ Rwg`Zwi, mvi  
c0qM I Priv tivcY fvtjv  
dj tbi ceRZf

**Priv Drcv`b I tivcY**

džKwci Priv`0ch0q Drcv`b Kiv nq| c0gZ exR Nb Kti c0wgK exRZj vq e0tZ nq| Priv MRv`bvi 8-10 w`b ci t0vU t0vU Priv, tjv DvWtq Ab` GKwU exRZj vq cvZjv Kti ubw`0` iZj jvWtZ nq| GtZ Priv mY` I mej` nq| Gme Priv 4-5 mBvni cti gv`V j vWt`bvi Dch0 nq| c0Z tn±i Rwig Rb` 350-400 Mtg extRi c0qvRb nq|

fvtjv fvtē cwiwgZ mvi c0qM Kti Rwg Pvl Ki tZ nte Ges Pvl KZ. Rwg tZ 1 wgvUvi Pl ov I 15 tm.wg. DEZiguo (teW) `Zwi Ki tZ nte|` tlv wguoi gv`S 30 tm.wg. bvjv` vKte hv tmP

I ub`vkb KtR e`euZ nte| wguoi Dcti 60 tm.wg. ` iZj mvi Kti 45-50 tm.wg. ` iZj (RvZtft`) Priv tivcY Ki tZ nte| tivctYi cte`Priv DtEjv tbi mgq exRZjvi gwU wfvRtq ubtZ nte| mveatb Priv DvWtq we`Ktj tivcY Ki tZ nte| tivctYi ci ciB MvtQi tMvovq cwb tmP w` tZ nte| GtZ tivcYKZ. Privi gZjvni L0 Kg nq|

džKwci Rb` Rwg tZ 10 Ub cPv tMveI, 330 tKwR BDwi qv, 250 tKwR wU Gm w, 150 tKwR Ggwc, 50 tKwR wRcmig, 3 tKwR tmwWqvg tgvij e`WU I 5 tKwR teviv. e`envi Kiv thtZ cwi| BDwi qv I Gg w mvti A`aRmn Ab`vb` mvi tkl P`fIi mgq I evKx BDwi qv I Gg w mvi mgybfvte 3 fvM Kti Priv tivctYi 20 w`b ci t` tK 15/20 w`b cici c0qM Ki tZ nte |

**AŠbZxRvj xb cwi Ph0**

tmP c0qM : džKwci Rwg tZ KLbl i tmi Afve nZ t` qv DvPZ bq| c0qvRb Abjvqx teW ev wguoi ga`eZx`bvjv w` t0 10/15 w`b cici mgybfvte tmP w` tZ nte|

AvM0v` gb I gwU Puv tft` t` qv : tmP cieZr`mg t0 Rwg tZ 0tRv0 Avmvi ci AvM0v` gb Kij Ges gwU Puv tft` w` tj džKwci` v`fimeK e`x nq|

tcvKvgK0 I tiMvejvB` gb : tj`v tcvKv MvtQi KwP cvZv, Wwv I Kwic tLtg b0 Kti| KvUB tcvKv MvtQi tMvov tKtU MvQ`K b0 Kti| Gme tcvKvi Av`wgY t` Lv tMtj g`vj w` qb 57 Bim ev mngw` qb 57 Bim bvgK JIa c0Z tn±ti c0q 1 wj Uvi cwi gwY 1000 wj Uvi cwb tZ wgvk t0` u0Ki tZ nq| džKwci tZ cvZvi` vMcov ti vM t` Lv w` tj tivfij 50 Wwe-D w ev WvBt` b Gg-45 bvgK QTvKv kK JIa 0.02% nvti Mvt0 t` u0Ki tZ nq|

**dmj mSM0**

džKwci c0ug`Aix GKwU ubw`0 AvKvi jvf Kivi ci` p ev k<sup>3</sup> `vKv Ae`v`v`ZB Zv mSM0 Ki tZ nte| MvtQi gv`vq c0ug`Aix` k`gvb nI qvi 2-3 mBvni gta` mSM0 nvc`thvMx nq| exR ectYi ci džKwci mSM0 Ki tZ 90-100 w`b mgq jv`M| tn±i c0Z dj b 20-25 Ub|

**mvi gg0**

- eisj v` kmn mgM0v`k| džKwci GKwU Rbvc0 meuR|
- VvUv I Av`Rj evq`Z Ges 15-250 tm. Zvcgv`vq džKwci fvtjv R`šš|
- eisj v` t0 wvfb0v`v`Zi džKwci Pvl Kiv nq`v`K|
- džKwci Priv` 0ch0q Drcv`b Ki tZ nq|
- džKwci Priv tivctYi Rb` mvi t` tK mvi i` iZj nte 60 tm.wg. Avi Priv t` tK Privi` iZj nte 45-50 tm.wg. |
- exR ectbi ci džKwci mSM0 Ki tZ 90-100 w`b jv`M|



- dıKıci `p er k<sup>3</sup> cıgÄix meıR ınıtıte Lıı qı nqı
- tn±i cıZ dıKıci dj b ntıj v 20-25 Ubı



**cuVhEi gj`iqb 6.1**

1. mZ` ntj OmOGes ig\_`v ntj OgOvj Lly|
  - K. dzKuc Pvl i Rb` DcThvMx ZvcgvI`v ntj v 15-25 tmj wmqim|
  - L. dzKuci DrcwE`j ntj v BDti wmcqib AAj |
  
2. ib`wb ciY Kiab|
  - K. exR ecftbi ci dzKuc msMh Ki tZ ..... w` b mgq j vtM|
  - L. .... I ..... Rj evqZ dzKuc fvtj v Rtsj|
  
3. mWK DEti i cuK wK wY (v) w b|
  - K. eisj vt`tki tKvbftRj v AvMvg dzKuc Pvl i Rb` weL`vZ ?
 

1. gqgbimsn	2. MrRxcj
3. Rvgj cj	4. UisMvBj
  
  - L. blex RvtZi dzKuc Pvl i Rb` KLb exRZj vq exR ecb Ki tZ nq?
 

1. AvMt`-i gvSigwS	2. tmtp`fi i gvSigwS
3. At`vefi i gvSigwS	4. btf`fi i gvSigwS
  
4. GK K\_vq ev evK` DEi w b|
  - K. tKvb&ai tbi gmtZ dzKuc fvtj v Ršfq ?
  - L. dzKuc Pvl i Rb` cOZ tn±i RvgZ KZUKzæR` i Kvi nq ?



Avj y Prtli Rb` cZ tn±i RvgtZ tMvei/Remvi 10 Ub, BDwi qv 325 tKvR, uU Gm uc 230 tKvR, Gg uc 275 tKvR cDqM Kiv DvPZ|

GQvor mij dvi I `vi AfveRibZ RvgtZ 35-40 tKvR uRcmig I 5-10 tKvR uRsK mij tdU cDqM Kiv `iKvi | AvtMB ejv ntqtQ, AvQv`b c×vZtZ me mvi RvgtZwi i mgq GKmstM cDqM KitZ nte| tfjx c×vZtZ tMvei I uU Gm uc, uRcmig I uRsK mij tdU cDqM Kiv RvgtZwi i mgq ugvktq v`tz nte| Gg uc AfaRuv RvgtZwi i mgq, evKx AfaR tfjxtZ Ges BDwi qvi GK ZZxqisk RvgtZwi i mgq, GK ZZxqisk Pvi MRvtbvi 15-20 v`b ci, evKx GK ZZxqisk Zvi I 20-25 v`b ci MvtQi tMvovq tfjx eivei cDqM KitZ nte, hvZtZ tvcYKZ.K` ev MvtQi Mvtq tKvRv AvvZ bv j vtM|

**AšZvRvj vb cwi PhP**

iKtbr tgvstg Avj yPvl Kiv nq etj 2-3 eri tmP t`qv cDqRb| GQvor RvgtZ bZb AvQv`vb ev tfjxtZ gvU Ztj v`tz nq|

**tcvKv-gvKo I ti vMvejv `gb**

Avj y meP gviv<sup>3</sup>K ti vM tj Ue-vBU ev bmeavm hv Phytophthora infestans bvgK QIvK Øvi nq|

Avj y meP gviv<sup>3</sup>K ti vM tj Ue-vBU ev bmeavm hv *Phytophthora infestans* bvgK QIvK Øvi nq| VUv, Av`i tgNjv Avenl qvtZ GB tvtMi cDqM nq| GiKg Avenl qv t`Lv v`tj B, WvBt\_b Gg-45 uKsev v`tWvgj t`u`KiZ nte| GQvor Avj y KvUB tcvKv Øvi v MvtQi tMvov ev KvU KvUztZ t`Lv tMjtj B cZv`b tFvi tēj v tMvovi gvU Ltp tcvKv ati tgti tdj tZ nte|

**dmj mslM I dj b**

Avj y AvvK RvZmgv 90-100 v`tb cwi c°Zv jvf Kti | Zte t`kx RvtZ uKQv t`vi nq| cwiYZ Avj MvQ tntj cto I cvZvi vbtPi v`K njy ntZ v`K| evsj vt`tk tn±i cZ Mo dj b Ddmx RvtZ cDq 14 Ub I t`kx RvtZ cDq 8 Ub| Zte `eAvvK c×vZtZ Pvl ev` Ki tēj Ddmx I t`kx RvtZ h\_vµtg 40 I 15 Ub dj b cvl qv m`e|

**e`envi**

evsj vt`tk Avj y e`envi cDvZ meiR vntmte| tgvU AvvithvM` meiRi kZKiv 53 fVMB Avj y `Lj Kti AvtQ| Gt`tk emlR gv\_wcQyAvj yLveri cwi gvY 9 tKvR| mvari Y Ae`vq Ddmx RvtZi Avj yB-4 gvm Ges t`kx Avj yB-6 gvm msi Y Kiv hvq| evKx mgqUv vgvMvti i vLztZ nq| cDqRvZ Ae`vq Avj yPcm, µ`vKv, t`dA dvB, g`vkv BZ`v vntmte MhY Kiv hvq|



**mvi gg<sup>©</sup>**

- i`i I `vimeK VvUv Avenl qv Avj yPrtli Rb` DchZ|
- 15-20 tm. Zvcgvvq Avj yvtj v RbVq|
- mvari YZ btfv` gvfm Avj yK` tvcY Kiv nq|
- A`Qv`vb I tfjx GB `g×vZtZ Avj yPvl Kiv nq|
- Avj y mePvtq gviv<sup>3</sup>K ti vM ntj v tj U evBU|
- mvari YZ 90-100 v`tb Avj y cwi c°Zv jvf Kti |
- evsj vt`tk tn±i cZ Avj y Mo dj b ntj v Ddmx RvtZi t`v`t cDq 14 Ub Av t`kx RvtZi t`v`t cDq 8 Ub|
- evsj vt`tk tgvU AvvithvM` meiRi kZKiv 53 fVMB nt`Q Avj y

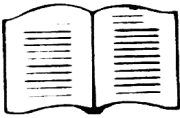


**cw 6.3 gjvRvZiq meiR gjv**



**GB cw tkłI Avcib**

- gjv Kx ai tbi meiR Zv RvbtZ cvi tēb|
- gjvi cṽ, Y I A\_ṽṽZK , iazim`útkAeinZ nteb|
- gjvi Pvlver` m`útkAeMZ nteb|
- gjvi e`envi m`útkRvbtZ cvi tēb|



gjv (Raphanus sativus) evsj v`tki GKvU Rbvcṽ Ges Ab`Zg cāvib meiR| gjv MtQI gmvU bxtPi cūZ gj-tKB meiR vntmte e`envi Kiv nq| gjvi Kiv cvZvI kvK vntmte Lṽ cṽKi | gjvi DrcvE`vb m`ēZ `vṽY-cvṽg BDti vtc| cvL exi Avakvsk t`tkB Kgtēk gjvi Pvlver` nṽ\_ vtk|

gjv tZ vfvUvmb vṽ I K`vj vṽqvg ht\_ó cvv gvY AvtQ| Zte Gi meṽ cvZv vevfbvLvbR j eY I vfvUvmb ṽGṽ Ges ṽmṽ mg\_ | gjv mvj v` , Zi Kvix, AvPvi I tgv eY vntmte e`ēüZ nq|

**Rjevqṽ gvU**

mvavi Yfvte gjv vUv AvenvI qvi dmj | Zte Gvkvqvb RvZ , tṽ Zṽbv gjvKfvte BDti vcvqvb RvZ , tṽvi Zṽbvq tēk ZvcgvI v mn` Kitz cvti | gjv `v` , MtU Ges AvKvti meṽPtq fvṽv nq 10<sup>0</sup> tm. t`tk 16<sup>0</sup> tm. ZvcgvI vq| D&P ZvcgvI vq gjv Lv` vcthvMx nI qvi AvṽMB k<sup>3</sup> I Svṽtṽv nṽ hvq| GKvItYB kvZcāvib t`tki RvZ , tṽvi tPtq Avgv`i t`tk Drcv Z RvZi gjv GKvZēk Svṽtṽv nq|

gvv cṽq me ai tbi gmvU tZB Rṽṽv hvq| Zte t`v-Avka I tetj t`v-Avka gmvU B gvj Pvl i Rb` meṽPtq DcthvMx| Avak `Re mvi mg\_ gmvU gjvi `vfvēK `v` I evx tZ mvi v` Kti |

**Drcv`b Kvj I RvZ**

gvvi AvMvg Pvl i Rb` tmṽPvṽ gvṽ Svix Pvl i Rb` Atṽvei gvṽ Ges bvex Pvl i Rb` btṽvṽ- vṽtmṽ gvṽ chṽ exR ecb Kiv hvq| evsj v`tk AvMvg Pvl i Rb` vṽṽv Avij , j vj tevṽB Ges ZvṽvKvṽv; gvSvix RvZ i ftc ZvṽvKvṽv, evvi gjv-2 (vcsKx) I vṽṽv Avij Ges bvex RvZ vntmte evvi gjv-2 (vcsKx) I vṽṽv vṽṽv RvZi vṽṽ Dṽṽ Kiv hvq| ZvṽvKvṽv I evvi gjv-2 evsj v`k KvL . Mtēl Yv BbvṽvUDU KZṽ DṽṽvZ nṽqṽQ|

**Rvṽ `Zvi I exR ecb**

gvv Drcv` tbi Rb` Mfvi Kti Dchṽix 4-5 vU Pvl v`ṽq Rvṽ DĒgi ftc `Zvi Kiv `i Kvi | Kvi Y Rvṽ `Zvi i Dci gjvi Drcv`b AtṽKvstṽ vṽfvkij | hv I mvavi Yfvte gjvexR vUvUṽq ecb Kiv nq, Zēy mvi tZ exR ecb Kiv B fvṽv| GtZ exRi cvv gvY Kg j vṽM Ges cieZx<sup>o</sup> cvv PhṽKiv mnR nq| GRb` Rvṽ `Zvi Kivi ci GK vṽṽv cṽ` I 10-15 tm. vṽ. Dṽṽv ev tevW `Zvi Kitz nq| cvkvcvṽk `ṽU vṽṽv mṽ\_ 30 tm. vṽ. P l ov tWb ivL tZ nq| GtZ cvṽb tmP I vṽṽv tbi mṽṽv nq| vṽṽv Dci 30 tm. vṽ. `i tZ; vṽṽ mvi tZ exR ecb Kitz nte| mvi tZ 30 tm. vṽ. `i tZ; 2/3 vU exR cṽq 1 tm. vṽ. Mfvi ecb Kti SvṽSṽi gmvU v`ṽq tXtK v`Z nq| gmvU fvṽv ṽRvṽ\_ vKv Ae`vq exR ecb Kiv DvṽPZ| RvZ tṽṽ tṽṽ i cṽZ 2-3 tKvR exRi cṽqvRb nq|

D`P ZvcgvI vq gjvi Pvl Kitz k<sup>3</sup> I Svṽtṽv nq etj tL tZ tZgb fvṽv nq v|

fvṽv dj tbi Rb` tmṽPvṽ t`tk vṽtmṽ chṽI h tKvṽv mgqB Gi Pvl Kiv hvq, Zte tṽṽv- I qvi x RvZ vṽṽv Kti vṽṽ nte|

Mfvi Kti DĒgi ftc Rvṽ Pvl Kti cṽqvRbgZ mvi I tMvei cṽqvM Kti mvi tZ vṽṽ `i tZ; exR ecb Kitz cṽZvU gjvi evx mgfvte nq Ges dj b evx cvq|



**mvi cŕqM**

mvi i cwi gvY Rigi DePZvi Dci ubfP Kti Kgtenk nte| gj-v PwI i Rb" tn±icŕZ mvi i cwi gvY I cŕqM c×WZ mvi WY 6.3.1-G t`qv ntj v|

**mvi W 6.3.1 gj-v PwI i Rb" cŕqRbq mvi i cwi gvY**

mvi	tgvU cwi gvY	tkl PwI i mgq t`q	cieZicwi PhPwnmte t`q	
			1g WkwI	2g WkwI
			exR ectbi 20 W b ci	cŕg WkwI 14 W b ci
Remvi	10 Ub	me	-	-
WU Gm WC	225 tKWR	me	-	-
BDwi qv	375 tKWR	175 tKWR	100 tKWR	100 tKWR
Gg WC	225 tKWR	125 tKWR	50 tKWR	50 tKWR

**AsŕZvRvj Wb cwi PhP**

**cvZj WkiY** t RigtZ fvtjv ōtRwŕ Vktj ectbi 3/4 W tbi gtaB exR MWRtq hvq| ectbi 7-10 W tbi gtaB mwi i Dci 30 tm. Wg. ` itZ; metPtq fvtjv MvWU ti tL Avi me DmWtq t d j t Z nte|

fvtjv dj b tctZ ntj  
ectbi ci tŕtZ mgq-gZ  
tmP cŕv, mvi cŕqM,  
AvMvQv`gb I ti W evj vB  
`gtbi e`e`v Ki tZ nte|

**tmP cŕqM** t gvU tZ i m Kg vktj, ectbi 7-10 W tbi gta" A\_ŕ cvZj WkiYi ciciB GKW tmP t`qv fvtjv| RigtZ i tmi Afie ntj dj b Ktg hvq| gj-v PwI i Rb" ŕmŕvn ci ci tgvU 2/3 W tm tPi ` i Kvi nq|

**AvMvQv`gb I gvU i PvU tft½ t`qv** t MvtQi `vfmeK ewx i Rb" RigtK AvMvQvgy` ivL tZ nte| GRb" cŕqRtb vbovbv W t q AvMvQv cwi Wvi I gvU i PvU tft½ W tZ nte| GtZ cŕZ Avtj v-evZim tctq gj-v ZvovZmo ewx cite|

**tcvkv-gvko I ti vMej vB `gb** t gj-v dmtj Lg GKUv ti vMej vB ev tcvkv-gvktoi Dc`e t`Lv hvq br| A t b K mgq cvZvi tj`v tcvkv ev Rve tcvkv t`Lv hvq| g`vj W qb ev mggW qb (57 Bim) bigK th tkvb GKW KxUbvkk JI a cŕZ Wj Uvi cmb tZ 2 Wm. Wm. Wguktq t`u³ Kij Gme tcvkv mntRB `gb Kiv hvq|

**dmj msMŕ I dj b**

RvtZi cKv itft` gj-v ectbi 40 W b ci t\_ tK 60 W tbi gta" msMŕni DcthvMx nq| gj-v mgqgZ DtEj b br Kij WfZti ctav ntq hvl qvq Lvl qui Abjcvhŕ ntq hvq| tn±i cŕZ RvZ tft` gj-vi dj b 60-90 Ub ntq v tK|

DrKŕ. exR Ges fvtjv dj b  
tctZ ntj gj-vi exR dmj  
Drcv`b Kitz mvari Y gj-v  
dmj Pvlver`i c×WZ Qvov  
AwZwi³ WkQyKvR Kitz  
nte|

**exR Drcv`b**

mvari Yfite gj-v PwI i Rb" th aitYi Pvlver` Kitz nq, exR Drcv` tbi Rb" I cŕq GKB Pvlver` Abjri Y Kiv ntq v tK| Zte exR Drcv` tbi tŕ tI WkQycv`ŕ itqtQ| th RvtZi gj-vi tenki fVM Ask gvU Dcti v tK, tm RvtZi exR dmtj i tej vq MvtQ dz t`Lv t`qui ci bijv t\_ tK gvU vbtq m`uv³ gj-v gvU W t q tX t K W tZ nq| exR dmtj i RigtZ gvU tZ me W fvtjv im vktZ nte| MvtQ dz Avmvi ci tn±i-cŕZ AwZwi³ BDwi qv 100 tKWR I WgDti U Ae cUvk (Gg WC) 100 tKWR WvU t q fvtjv fite Wguktq W tZ nte| Rve tcvkv t`Lv t`qv gŕ ŕg`vj W qbŕ WvU t q Zv `gb Kitz nte| extRi i v tZ ev cvZv I dz `tU Aj Uvibmi qv `W R w BZ t i v Mi cŕ v fte ntj 2 M ŕ g t i v i v j c ŕ Z W j U v i c m b t Z W g u k t q t ` u ŕ K i t Z n t e | e x R e c t b i c i t \_ t K 5 g v t m i g t a B e x R m s M ŕ n i D c h ŕ n q | c i c i W m q b B

gj-vi mavi Y ag<sup>o</sup> tmRb<sup>o</sup> exR dmtj i PZi K 1000 ugUti i gta<sup>o</sup> Ab<sup>o</sup> tKvb gj-vi RvZ \_vKv  
 DvPZ bq| RvZiUtK wei x ivLvi Rb<sup>o</sup> GUv Acwi nih<sup>o</sup>



**migg<sup>o</sup>**

- gj-vi cU exe<sup>o</sup>vcx euj e<sup>o</sup>eüZ GKU meiR |
- gj-vkK cU<sup>o</sup>, tYi w<sup>o</sup>K t<sup>o</sup>tKI ht<sup>o</sup>\_ó<sup>o</sup> iæZenb Kti |
- gj-v ViUv Avenv qvi DcthvMx dmj |
- gj-vi Drcv`bKvj Ly msu<sup>o</sup>ß, gvÎ 40 t<sup>o</sup>tK 60 w<sup>o</sup>b ch<sup>o</sup>ſ |
- tn±i cüZ 60-90 Ub ch<sup>o</sup>ſ dj b cvl qv hvq |



**cuVhEi gj`iqb 6.3**

**1. mZ`` ntj OmG Ges ug\_`v ntj OmG vj Lly|**

K. gj-vtZ ht\_ó cwi gvtY wfuwg b OmG l K`ij wmqv i tqtQ|

L. `Re mvi mgx gwU gj-vi `rfiveK `r` l ewxZ evavi mWó Kti |

**2. `ib``wb ciY Kiab|**

K. gj-vi AvMvg Prtl i Rb`` ..... gvtm exR ecv Ki v hvg|

L. mivavi Yfvte gj-v ..... Avenvl qvi dmj |

**3. mWK DEti i cuK WK wPy (v) w b|**

K. gj-v Prtl i Rb`` Dchv ZvcgvIv tKvblU ?

1. 10-14° tmj wmqvm

2. 10-15° tmj wmqvm

3. 10-16° tmj wmqvm

4. 10-17° tmj wmqvm

L. tn±i cWZ RvZtft` gj-vi dj b KZUKznq\_`vK ?

1. 60-80 Ub

2. 50-90 Ub

3. 40-60 Ub

4. 60-90 Ub

**4. GK K\_vq ev evK` DEi w b|**

K. exR ectbi ci KZ gvtmi gta` gj-v exR mslMni Dchv nq ?

L. gj-vi Drcv`bKvj KZ w`b ?

### cW 6.4 dj RvZixq meiR - UtqtUv

#### GB cW tkfI Avicb

- UtqtUv m`utK`avi Yv w`tZ cvi`teb|
- UtqtUvi cny, Y I A`%bwZK, iaZi`e`vL`v Ki`tZ cvi`teb|
- UtqtUvi Pvl ver` m`utK`Rvb`tZ cvi`teb|
- UtqtUvi melea e`envi D`tj L Ki`tZ cvi`teb|



UtqtUv me`tkfi c`avb meiR, t`jvi g`ta` Ab`Zg| D`P cny`g`vb, DEg `v` I e`mea e`envi`i Kvi`tY G meiR me`P tek Rb`ic`q|

UtqtUv Solanaceae cwi`erif`y GKiu meiR| Gi `e`AvnbK brg Lycopersicon esculentum| UtqtUvi m`ae` DrcwE`j `w`Y Avt`gwi Kvi tci`æ euj w`f`qv Ges BK`zqWi AAj | UtqtUv lo`k kZv`axi i`i`atZ c`u`tg BZij`tZ Avtm Ges m`g`v`st`q miv BD`ti`vc I c`u`\_exi Ab`vb` AA`tj Gi Pvl me`v`z j`vf Kti | e`vsj v`t`k UtqtUv wej`vZi te, b bvt`gl cwi`w`PZ| h`w` I UtqtUv GKiu kxZKij`xb meiR Zey m`u`tZ M`tel`Yvi gva`tg M`e`\$ t`g`sm`tg Pvl`thvM` w`KQyD`P Zvcgv`Iv m`in`o`dUtqtUvi RvZ D`m`teb Kiv n`t`q`t`Q|

#### Rj`evqY g`mU

UtqtUv `v`f`v`meK Avenl qiv f`it`j`v R`t`š`š| i`w`I Kij`xb Zvcgv`Iv 20<sup>0</sup> tm. Gi Dc`ti n`tj dj ari`Y e`v`nZ nq| c`u`q me g`mU`tZB UtqtUvi Pvl Kiv hvq| Zte t`v`-Avk I tetj t`v`-Avk g`mU te`wK Dc`thvM`x|

#### Eskw`e`vi I t`ivcY

exR t`\_t`KB UtqtUvi eskw`e`vi Kiv n`tq`\_v`t`K| c`u`tg exRZj`vq exR Nb Kti ecb Kti, MR`vei 8-10 w`b ci w`Zixq exRZj`vq `v`b`v`š`li Ki`tj P`riv m`y`-mej nq Ges dj b f`it`j`v t`q| c`u`Z exRZj`vq (3x1 w`g.) 10 M`u`g exR `i`Kvi nq| AvMig P`v`I i Rb` AvM`o` g`v`f`mB exR ecb Ki`tZ nq| b`vex d`m`t`j`i Rb` b`t`f`-t`i`i t`kl ch`š`l exR ecb Kiv hvq| 30-40 w`b eq`tm`i UtqtUvi P`riv exRZj`v t`\_t`K Z`tj g`j- R`ig`tZ m`w`i Kti t`ivcY Ki`tZ nq| m`w`i t`\_t`K m`w`i i `i`-Zi`60 tm. w`g. I M`v`Q t`\_t`K M`v`Q`i `i`-Zi`40 tm. w`g. i`v`Lv nq| A`š`e`Z`K`ij`xb cwi`Ph`f` m`y`e`avt`\_`\$ tet`Wi g`v`S`L`v`tb 50 tm. w`g. c`k`-I b`rj`v i`v`L`tZ nq|

#### RvZ

e`vsj v`t`k Kul. M`tel`Yv Bb`w`i`UDU g`w`bK, i`Zb I ewi UtqtUv-3 kxZ t`g`sm`tg Ges ewi UtqtUv 4 I 5 M`e`\$ t`g`sm`tgi Rb` D`m`w`eZ Kti`t`Q| Ab`vb` Rb`ic`q RvZ nj i`agv, c`j`v`ia`ex I gvi`t`M`e|

#### mvi c`u`q`m

c`u`Z t`n`±i Ab`y`P R`ig`tZ mvi`wY 6.4.1 G ewY`Z cwi`g`vY I w`b`q`g`v`b`y`v`ti mvi c`u`q`m Ki`tZ n`te|

e`vsj v`t`k UtqtUv GKiu  
kxZKij`xb meiR| AvZ  
m`c`u`Z D`P-Zvcgv`Iv m`in`o`  
RvZ D`m`te`bi d`tj  
M`e`\$K`ij` I Gi Pvl ver` m`ae`  
n`t`Q|

i`w`I Kij`xb Zvcgv`Iv 20<sup>0</sup>  
tm. Gi Dc`ti n`tj dj  
ari`Y e`v`nZ nq|

e`vsj v`t`k GLb kxZ I  
M`e`\$K`ij`xb D`f`q RvZi  
UtqtUvB eZ`v`b|

**mviw 6.4.1 : UtgtUv Pvl i Rb` c0qvRbxq m4i i gv1v**

UtgtUv tivcbKv4i MtZ  
uU.Gm.1c mvi Ges  
cieZ1Z 1Kw1Z BDwi qv  
Ges Gg.1c Dcwi c0qvM  
Ki1Z nte|

mvi	tgvU cwi gvY	tkl Pvl i mgq t`q	cieZ1cwi PhPw1m4te t`q		
			Priv j vM4bvi mgq MtZ <sup>o</sup>	1g 1Kw1 (mwi 1Z)	2q 1Kw1 (mwi 1Z)
Remvi	10 Ub	A4aR	A4aR	-	-
BDwi qv	550 tKwR	-	200 tKwR	175 tKwR	175 tKwR
uU Gm 1c	450 tKwR	-	me	-	-
Gg 1c	250 tKwR	-	me	-	-

BDwi qv I Gg1c mvi tMvovq 10-15 tm. 1g. ` i w1q gw1i m1/2 f1j K4i 1gw1tq w1Z nte|

UtgtUvi DEg dj 4bi Rb`  
M4tQ tVKbv t`qv, AsM I  
c1kR11 QvUvB, AvMvQv  
cwi 0vi KiY I c0qvRbgZ  
tmP w1Z nq|

**cwi Ph<sup>o</sup>**

UtgtUvi f1t1jv dj 4bi Rb` e4tki k<sup>3</sup> KwA A\_ev `aAvi KwV w1q BstiWR 0A0 AvKwZi gZ  
c1kvcnk `0mwi i g4a` e1m4q M4tQi tVKbvi e`e`v Kiv hvq| M4tQi c1kR11 QvUvB K4i w1Z  
nq| GQvov M4tQi tMvovi gw1 Avj Mv K4i w1Z nq|

**tcvKv gVko I tiMevj v`gb**

UtgtUv M4tQi 1wZKi tcvKvi g4a` Rve tcvKv Ab`Zg| Giv M4tQi K1P W1v, cvZv I Kv0  
t`1K im i4l Lvq| B`mbs 1j d gvBbi tcvKvi Av1ugY t`Lv hvq| Giv cvZvi meR Ask  
tL4q td1j | g1j w1qb 57 B1m (1.12 1j Uvi) c0Z 1000 1j Uvi cwb4Z 1gw1tq GK tn4i  
R1gtZ t`u4 K4i m4tR Gme tcvKv `gb Kiv hvq| X4j cov UtgtUv M4tQi Rb` gvivZK  
1wZKi GK1U tivM | G tivM e`v41wi qv I Q1vK 0v1v nq| G tivM c0Z1vax RvZ j vM4b1B

UtgtUv M4tQ Av1ugYKvi  
K1U cZstMi g4a`  
Rve1cvKv Ab`Zg| UtgtUv  
MvQ c0vbZ: X4j cov, Avi-  
a1mv, cvZvi `vMcov I  
f1vBim tivM 0v1v Av1vS  
nq|

DEg| GQvov GKB R1gtZ c0Z eQi UtgtUv Pvl Kiv D1PZ bq| exRZj vq m4vavi YZ W1v4s  
Ad tiv4Mi Av1ugY nq| G tiv4Mi c0 1ve t`Lv w1j tivf1j 2 M0g/1j Uvi wntmte cwb4Z  
1gw1tq 7-10 w1b A4li Priv M4tQ c0qvM Ki1Z nq| UtgtUvi evo4l M4tQ cvZvq `vM cov  
tiv4Mi Av1ugY cwi j w1Z nq| tev1v4b GK M0g GK 1j Uvi cwb4Z 1gw1tq t`u0Ki1j G  
tivM `gb Kiv hvq| f1vBim tivM1v4s MvQ,tjv4K Z4j c1p4tq ev gw1tZ c4Z b0 K4i  
tdj1Z nq| Avi c0Z1vax e`e`v wntmte cvZv tK1kov4bv f1vBim tiv4Mi evnK m1v gw0  
`g4bi Rb` W1B4g1ugb (1 1g. 1j ./1j Uvi) cwb4Z 1gw1tq cvZvi w4tPi w1K t`u0Ki1Z nte|  
c0qvRb tev4a 15 w1b A4li w0Z1q t`u0Ki1Z nte|

Priv tivc4Yi 60-80 w14bi  
g4a` UtgtUv msM4h i i yntq  
120 w1b chS1Ptj | Mo  
dj b 60-65 Ub/tn.|

**dj b**

RvZ tft` Priv tivc4Yi 60-80 w14bi g4a` cvKv UtgtUv msM4h i i4nq| c0Z MvQ t`1K 7-8  
evi dj msM4h Kiv hvq| d1j i w4tPi w1K GKUz1j 1P fve t`Lv w1j, dj tZ1j vi Dc4hvM1  
nq| Avgv4` i t`1K UtgtUvi Mo dj b tn4i c0Z c0q 8 Ub| Zte evsjv4`k KwL.M4elYv  
Bb1w1UDU KZR D1w4eZ RvZ gw1bK I i Z4bi dj b c0q 80 Ub/tn.|

**M4P4Kvj xb UtgtUvi Pvl ver`**

G414t1 me4kl Pvl ver` c1wZ Ae1 4b Ki1Z nq| gw1i cKwZ I `vb Ges tivcYK1j tft`  
30-40 tm. 1g. D1ezGes 120 tm. 1g. P1 ov 1gw1o (teW) K4i MvQ j vM4tZ nq| c0Z1U tev4W  
t4s4vi QB4qi AvKwZ K4i `0 c1j w1b w1q QvD1b w1Z nte| M4tQ c04z d4s4l d4j  
\_vKvKvj xb mg4q Ugv1v4tUv4b bivK Kw1g ni4gvb 50 ,Y (2%) Z1j xKiY K4i i4gv4 d4j

t`u0KiZ nq| fvtjv dj b tctZ ntj, Gfite 8-10 w`b Ašli Ašli 2-3 evi t`u0KiZ nte| AvZ m`u0Z Avtiv wKQyRvZ D`meb Kiv ntqt0, th,tjv Kwlg nitgvb c0qvm QvovB dj b w`tZ m`lg| tn±ic0Z 20-25 Ub dj b nq|

**e`envi**

UtgtUvi e`mea e`envi itqt0| mvjv`, ZiKmi I c0uqvRvZ Kti UtgtUv Lvl qv hvq| UtgtUvi im, mm I tKpvc c0uqvRvZ `e`w`i gta` Ab`Zg|



**mvi gg®**

- UtgtUv evsj vt`tki GKwU c0vb dj RvZxq kxZKvj xb meiR|
- D`P cy0gvb, DEg `r` Ges Avtiv Ab`vb` Kvi tY UtgtUv meP GKwU Rbvc0q meiR|
- `rfmeK VvUv I i`®: AvenvI qvq UtgtUv fvtjv Rtšš|
- me gmltZB UtgtUv Pvl Kiv hvq Zte t`vAvka ev tetj t`vAvka gmlU tenk Dc`hvMx|
- exRi gva`tg UtgtUvi eskme`li Kiv nq| exRZjv t`tK 30-40 w`b eqtmi Priv Ztj Gtb gj- RvgtZ mmi Kti tivcy KiZ nq|
- tivctYi 60-80 w`tbi gta` cvKv UtgtUv mSM0 KiZ nq|
- M0Kvj xb I kxZKvj xb UtgtUvi dj b h`vµtg 20-25 Ub/tn±i I 80-90 Ub/tn±i |
- UtgtUv ivb0QvovI mvjv` wntmte Lvl qv hvq|



**cuŋvĒi gj'iqb 6.4**

**1. mZ" ntj ōmŌGes wq\_`v ntj ōgŌvj Lby|**

K. f`v-Avka | tetj f`v-Avka gwU UtgʂUv Pvl i Rb" DcʂwMx|

L. UtgʂUvi cōZwU MvQ t\_ʂK gvĪ GKevi dj msMĥ Kiv hvq|

**2. ib`"wb ciY Kiǎ|**

K. UtgʂUv ..... cvi eri fZ GKwU mewR|

L. i wĪ Kvj xb ZvcgvĪv ..... tmj wqvtmi Dcʂi ntj dj avi Y e`vnZ nq|

**3. mwK DĒʂi i cuʂk wK wPý (√) w b|**

K. cōZ exRZj wq KZUKzUtgʂUvi exR `i Kvi nq ?

- 1. 10 Mġg
- 2. 12 Mġg
- 3. 15 Mġg
- 4. 20 Mġg

L. RvZʂfʂ` Priv ti vʂʂYi KZw` b ci cvKv UtgʂUv msMĥ i i ænq ?

- 1. 60-90 w` b
- 2. 25-80 w` b
- 3. 60-80 w` b
- 4. 50-70 w` b

**4. GK K\_wq ev eʂK" DĒi w b|**

K. KZw` b eqʂmi UtgʂUvi Priv exRZj v t\_ʂK Zʂj gj- RwqʂZ ti vʂY KiʂZ nq ?

L. UtgʂUvi MvʂQi Ab`Zg wZKi tcvKvi bvq Kx ?

**cW 6.5 kéRvZxq meiR - tcqR**



**GB cW tkłI Avcib**

- tcqR m`útk`avi Yv w`tZ cvi`teb|
- tcqRi Pvl ver` c`v`j x eY`v Ki`tZ cvi`teb|
- tcqRi msi`qY m`útk`D`tj L Ki`tZ cvi`teb|



tcqR tKej gmj vB bq, meiR wntmteI Gi e`envi euj c`v`j Z| Drcv`Z cwi gv`Yi w`K t`tk evsj v`tki gmj v dmj mg`tni gta` tcqRi `vb mte`P| GLv`b cŁZ ermi cŁq 35 nvrvi tn`i RvgtZ tcqRi Pvl nq Ges AvbgnbK 1.40 j`q Ub tcqR Drcv`nq| cwi`c`j, XvKv, gqgbmsn, iscj, Kvgj v l cvebv tRj vq c`v`Z tcqR Drcv`nq|

cwi`g Gukqv tcqRi Drcv`E `vb| gwk`b h`y`i v`o, Rvcv, wgm i t`ub w`tki c`v`b Pvi wU tcqR Drcv`bKvix t`k| tcqRi `e`AvbK big Allium cepa L. | tcqR vj vj`qum (Liliaceae) cwi`vi f`y | tcqR GK c`Kvi f`-w`v`e` i f`c`v`h`i Z KvU hv` ké K` ev`vj; b`v`g cwi`v`Z|

tcqR tKej gmj vB bq,  
meiR wntmteI Gi e`envi  
euj c`v`j Z| Drcv`tbi  
cwi gv`Yi w`K t`tk  
evsj v`tki gmj v  
dmj mg`tni gta` tcqRi  
`vb mte`P|

**Rjevqy` gwl**

tcqR tK mavi Yfvte VvUv Rjevqy` Dc`thvMx dmj etj eY`v Kiv nq| wK`S` Rjevqy`Z Pwn`vi e`v`v`ti Gi RvZmg`tni gta` c`v`Z e`e`arb j`q` Kiv hvq| 15-25<sup>o</sup> tm. Zvcgv`v Gi Rb` me`c`q`v Dc`thvMx| ev`x i cŁ`w`gK ch`q Zvcgv`v A`c`q`v`KZ. w`v`e`Ges ké K` ev` etj`i cwi`c`Z v j`v`f`i mgq wKQy`D`P Zvcgv`v Ges Avenv`l qv` i`v` v`K`j dj b f`v`j v nq| tcqRi tKv` tKv` RvZ wngv`/4 ch`S` w`v`e`Zvcgv`v mn` Ki`tZ cv`ti | D`P Zvcgv`v R`S`y`t`v tcqR S`S` teik nq| Avak G`v`j bv` ntj th`Kv`v`v gmv`tZ tcqR Drcv`b Kiv hvq| De`P t`v`-Avk l cvj t`v`-Avk gmv`tZ Gi dj b me`c`q`v f`v`j v nq|

D`P Zvcgv`v R`S`y`t`v  
tcqR S`S` teik nq| De`P  
t`v`-Avk l cvj t`v`-Avk  
gmv`tZ Gi dj b me`c`q`v  
f`v`j v nq|

**RvZ**

GjvKv`f` w`v`f`v`e` `v`b`q RvZ thgb Zv`nic`j`x, cwi`c`j`i f`w`Z, wSUKv, `Kj vmbMi D`tj`L`thvM`| m`ú`Z evsj v`k Kwl. M`tel Yv Bbiv`w`UDU ewi tcqR-1 b`v`g GKwU RvZ D`v`v`eb K`i`t`Q|

**Eskv`ti l tivcY**

tcqR wZbvU c`x`w`Z`Z Pvl Kiv hvq| thgb- 1. mivmvi exR e`j`b| G`q`f` 6-8 tKwR exR `iKvi nq| 2. ké K` tivcY K`i| AvKvi t`f` tn`i cŁZ 1200-1500 tKwR ké K` `iKvi nq| 3. exRZj vq exR e`j`b Pvi v D`E`v`j b K`i Zv tivcY K`i | exR n`Z Pvi v `Zwi K`i tivcY K`i`j Avak dj b nq Ges KIKMY A\_`v`w`ZKfvte teik j`v`f`v`b nb| G c`x`w`Z`Z A`t`v`e`i gv`tm exR Zj vq exR ecb Ki`tZ nq|

**Piv Drcv`b**

cŁZ tn`i RvgtZ Pvi v K`i  
tivcY Ki`tZ ntj 3-4  
tKwR f`v`j v exR j`v`Mte|

cŁZ tn`i RvgtZ Pvi v K`i tivcY Ki`tZ ntj 3-4 tKwR f`v`j v exR j`v`Mte| cŁZ`K exRZj vq (3x1eM`q. AvKv`i`i) 25-30 Młg nvti e`y`tZ nq| cŁZ tn`i Pvi v Rb` D`c`v`v` AvKv`i`i 120-130 wU exRZj vi c`v`q`v`Rb nq|



**Rug`Zwi, tivCY I mvi c0qum**

mvariYZ 4-6 uJ Mfxi Pvl I gB w`tq AvMvQv teq0, tXjv tfstM, gwU SzSzi I mgvb Kti tcqur Pvl I Rb" Rug`Zwi KiZ nte| mPivPi 40-50 w`b eqtmi Piv tivCYi Rb"

DEG| mvi t`K mvi Ges MvQ t`K MtQi` iZj 20 x 10 tm. ug. nZ nte| ga`g DeP Rigi Rb" tn±i c0Z 10 Ub tMvei mvi, 260 tKvR BDvqv, 200 tKvR uJ Gm uc Ges 160 tKvR cUvk mvi c0qum KiZ nte| Rug`Zwi i tKl Pvl i mgq mgvq tMvei mvi Ges uJ Gm uc c0qum KiZ nte| BDvqv I Gg uc mvi tK mgvb` gfvM Kti` gKv` tZ h\_vutg Piv tivCYi 20 w`b Ges 50 w`b ci RugtZ c0qum Kti fvtjv fvtg gwU mvt\_ uguktq w`tZ nte| tcqur Rigi RigtZ gwU c0qvRbxq i m bv\_vKtj 10-15 w`b ASli ASli cmbi tMv w`tZ nte| gtb ivLv` iKvi th, tmPi Afve Avgvt` i t`ki tcqur dj b Kg nl qvi Ab`Zg Kvi Y| tcqur t`q tZ gwU tRv Avmvi mvt\_ mvt\_ PUV tft½ w`tZ nq| Ab`vq ke Kt` i epx e`vnZ ntq dj b Ktg hvq|

tmPi Afve Avgvt` i t`ki tcqur dj b Kg nl qvi Ab`Zg Kvi Y|

**tiVM I tcvKvqKo`gb**

tcqur VvDvb vj WID, cvi tcj eP, t±g dvBj vG I tMvov cPr tiVM nq| tiv fi vj, Wvqt\_b Gg-45, uJ wFU I teb tJ U (20 Mkg) 10 vj Uvi cmbtZ uguktq e`envi Kitj fvtjv dj cvl qv hvq| tcvKvqKto i gta` u\_c m Ges RvetcvKv Dj t`thvM| KvUvkk JIa thgb-g`vj w\_qb wKsev WvBtgvub w`tq Gt` i` gb Kiv hvq|

**dmj mSMa I dj b**

tcqur MvQ cvi c° ntj, cvZv mqvstq nj`y ntq tntj cto| Rigi c0q 70-80% MtQi G Ae`v ntj tcqur tZvj vi Dc`thvMx nq| c0Z tn±ti c0q 12-16 Ub t`kx tcqur Ges 800-1000 tKvR exR Drcebng|



**mvigg®**

- tcqur gmj v I memR wntmte euj c0vj Z| Drcv`tbi w`K t`K gmj v dmj mg tni gta` Gi `vb mterP|
- tcqur VvUv Rj evqy Dc`thvMx dmj | 15-20<sup>o</sup> tm. Zvcgv`v Gi Rb" me#c`qv Dc`thvMx|
- DeP t`v-Avks I cvj t`v-Avks gwU tZ Gi dj b fvtj v nq|
- tcqur RiZ mg tni gta` emi tcqur-1, Zvtni cyx, dvi`c`ji i fvZ, wSUKv cfvZ Dj t`thvM|
- mi mvi exR etb, keK` tivCY Ges exRZj vq Piv Drcl`b Kti Zv tivCY Kti Gi Pvl Kiv hvq|
- gwU SzSzi I mgvb Kti Rug`Zwi Kti tcqur j vMv`bv DEg|
- gwU tZ tRv Avmvi mvt\_ mvt\_ PUV tftM w`tZ nq| ZvZ ke Kt` i epx fvtj v nq|
- tcqur MvQ cvi c° ntj, cvZv mqvstq nj`y ntq Xtj cto|
- tn±i c0Z t`kx tcqur dj b 12-16 Ub Ges extRi dj b 800-1000 tKvR ntq\_vtK|



**cuVhEi gj`iqb 6.5**

**1. mZ` ntj OmO Ges iq\_`v ntj OnOvj Lb|**

K. tcqvR i agrI gmj v wtmte e`euZ nq|

L. tcqvRi DrcuE`vb ntj v ceGukqv|

**2. ib`vb ciY Kiab|**

K. tcqvR GK ai tbi fibae'..... KuU|

L. .... I ..... gwUtZ tcqvRi dj b me#cqv fvtj v nq|

**3. mWK DEti i cutk WK pY (v) w b|**

K. tKib&ZvcgvI v tcqvRi Rb` me#Ptg DcthvMx ?

1. 15-20° tm.

2. 15-25° tm.

3. 10-15° tm.

4. 10-20° tm.

L. tn±i cIZ t`kx tcqvRi dj b KZUKZ?

1. cIq 12-16 Ub

2. cIq 12-14 Ub

3. cIq 12-15 Ub

4. cIq 10-12 Ub

**4. GK K\_vq ev e#K` DEi w b|**

K. cIZ tn±i RiqtZ KZUKZtcqvRi exR cIqvRb ?

L. ejsj vt`k KuL.Mtel Yv Bbw÷wDU KZR.DmweZ tcqvRi RvtZi bvg Kx ?



gvfS gvfSB msiwqZ Avj ybiovPvov Kti t`Ltz nte Ges cPv ev cPvi mtebv AvtQ Ggb Avj y`tL tetQ Avj v`v Kti tdj tZ nte|

G cxwZtZ i agvL Lvevi Avj ymsi qY Kiv hvq| exR Avj yAek`B wnguMti msi qYi e`e`v Ki tZ nte|

**tcquR msi qY**

Avj y`gZ tcquRI i agvL kxZKvtj Pvlver` Kti Drcw`Z tcquR mviv eQi Lvl qv nq| dtj

tcquR msi qYI LgB , iaZc Yq t`kxq cxwZtZ mvaviY ZvcgvIv I Av`Zvq tcquR msi qYI LgB , iaZc Yq Zte t`kxq cxwZtZ mvaviY ZvcgvIv I Av`Zvq tcquR `xwP b msi qY Kiv KwVb| Gt`qT t`kxq tQvU tcquR wKQwv fvtjv djvdj cQkQ Kij I met`kx eo tcquR t`kxq cxwZtZ msi qYi Rb` tgvUB Dchz bq| eZqtb t`tk Drcw`Z tcquRi kZKiv 90 fMB t`kxq cxwZtZ msi qY Kiv ntq`vK|

evsj v`k KwL. MtelYv BbwoUDtUi tcvonvifO tUKtbyj wR wfvM t`kxq cxwZtZ tcquR msi qYi cxwZ wvPY Kti tQ| G cxwZ mgzite cQwM Kti tcquRi msi qYKuj xb AcPq AtbKistkB Kgvbv mte| msi qYi DcthwMx RvZ wbaq Y t`tK i iæKti msi qYi avc`tjv wvte/c t

1. msi qYi Rb` Kg Av`Zvmenkó, teuk Svstjv, D3aj ZK, teukmsL`K ZK wenkó Ges teuk cQwZK mßZvi mgqmigv wenkó RvtZi tcquRB Dchz|
2. Pfti Rb` tiwM I muUgq exR e`envi Ki tZ nte|
3. t`qZ AwZ gvIvq tmP t`qv hite bv|
4. t`qZ gvIvZwi<sup>3</sup> BDwi qv t`qv hite bv|
5. MtQi cgyZv Gtm tMj , tcquRi Wwv A`P Mjvi w`tKi OmUmybig ntq hvq| dtj cvZv tnj cto| dmtj i cQq 70-80% MtQi cvZv Gfite wbtR wbtRB tft½ tMj tcquR msMni Dchz mgq ntqtQ etj ati wbtZ nte| tcquR msMni mgq tLqvj ivLtz nte hvz Mtq qZi mwo bv nq|
6. tcquRi Wwv 2 tm. ug. titL cvZv tjt tktU t`qv nq| AZtci 5-7 w`b ati 10-12 tm. ug. cyæKti evqPj vPj mjeavh, kxZj I Qiqvq`v`v i wktq wbtZ nq|
7. msi qYi cte`tcquR KivUvQav, cPv, tQvU-eo, t`wWjv BZ`w` Ablyqx evQvB I tkwYeb`vm Kiv nq|

msi qYi Rb` Kg  
Av`Zvmenkó, teuk  
Svstjv, D3aj ZK,  
teukmsL`K ZK wenkó Ges  
teuk cQwZK mßZvi  
mgqmigv wenkó RvtZi  
tcquRB Dchz|

dmtj i cQq 70-80%  
MtQi cvZv wbtR wbtRB  
tft½ tMj tcquR msMni  
Dchz mgq ntqtQ etj  
ati wbtZ nte|

msi qYi cte`tcquR  
KivUvQav, cPv, tQvU-eo,  
t`wWjv BZ`w` Ablyqx  
evQvB I tkwYeb`vm Kiv  
nq|

ev`jv w`tb wtkl fite  
tcquRi w`tk tLqvj  
ivLtz nte| KviY GB  
mgq evZvtmi Av`Zv teuk  
nLqvq tcquR i`Kvq bv, hv  
dtj tcquR cPtZ i ia  
Kti|

8. tcquR msi qYi Rb` msi qY`j I gvPvi cQwZ LgB , iaZc Yq etiki cvZjv Puv (teZx) mZjx w`tq tMtL tMtL `Zwi ðevbi0-Gi Dci tcquR msi qY KivB DEg| Nti i wmijs-G etiki gvPv `Zwi Kti Zvi Dci evbv wewQtq tcquR ivLtz nte| wewbtefkyri tcquR Avj v`v Avj v`v RvqMvq msi qY Kiv DmPZ| wUvbi Nti i wmijs-G tcquR ivLtz Zv 20-25 tm. ug. cyæKti ivLv hite| Ltoi ev Umj i Nti i wmijs-G tcquR 15-20 tm. ug. Gi teuk cyæKti bv ivLvB fvtjv| tqtSi `B dð Dcti `Zwi gvPvq ivLvi tPtq wmijs-G tcquR ivLvB DEg| KviY cQ`tgv<sup>3</sup> `v`vbi Pvi w`tk mvaviYZ evqPj vPj Kg`vK| hv` tqtSi `B dð Dcti wvugZ gvPvq tcquR ivLtzB nq, Zte Zv 10-15 tm. ug. Gi teuk cyæKti bv ivLvB fvtjv| teuk cwv gvY tcquR msi qYi Rb` wmijs Gi wbtP `B dð Ašli Ašli GKmaK gvPv `Zwi Kti Zvi Dci tcquR ivLvi e`e`v Kiv thtZ cvti| Gt`qT Aek`B Nti i teovi wv`B `vbmgtñ evqPj vPtj i c\_ ivLvi e`e`v Ki tZ nte|

9. gvfS gvfS msiwqZ tcquR bvo v`tZ nte I cPv tcquR evQvB Ki tZ nte| ev`jv w`tb wtkl fite tcquRi w`tk tLqvj ivLtz nte| KviY GB mgq evZvtmi Av`Zv teuk

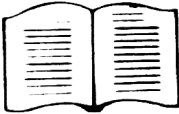
nI qıq tıqıR i Kıq bı, hıı dıj tıqıR cPıZ i iı Ktı | G Ae ııq cııqıRıb tıqıR  
gıPı t\_ıK bııgıq Qıqıhı ı ııb cıZj v Ktı ıııQıq i ııKıq ııbıq gıPıq DVıZ nıe |

### cw 6.7 Pvl i Avq-e`qi inmve msi 7Y cxiZ



#### GB cw tktl Avcib

■ Pvl i Avq-e`qi inmve KitZ cri teb|



Pvlvet` Avq-e`qi inmve netkl , iaZcYq Avq-e`qi inmve i gva`tgB Rvbr m`e tKvb& dmtj i Drcv`b jvfRbK| Avq-e`qi inmve iaqvI KiTKi Rb` bq; bwiZ-ibafK, MtelK

Ges m`z`hvi Y Kgxq i KvIQI GuU mgvb , iaZcYq

dmj Drcv`b i jvf-7wZ, dmtj i `vg, dj b Ges Drcv`b-LiTPi Dci ubfPkj | Drcv`b LiP gj-Z `itbi | `vqx LiP Ges cwieZBkj LiP| `vqx LiP ejtZ Rigi gj`i Dci my, fvor, Ki BZ`w` eSvq| cwieZBkj LiTPi gta` klgK, Pvlvet` i Mia exR, mvi, KxUbrkK, tmP cfuZi gj`/fvor Ges wefbaeLiTPi Dci my ASfY| `vqx LiP i cwieZBkj LiTPi thvMdj ntjv tgvU LiP|

dmj Pvl i Avq-e`q ubaf`bi Rb` dmj Drcv`b iaKiv t`tK cxiZU c`t7tci LydbwU inmve h\_vh\_fvte msi 7Y KitZ nte| Rwig Pvl t`tK iaKti dmj msMh Ges c0qvRtb dmj msMhuEi KvR e`euZ mKj fvor Kiv Ges cwievi K kgtK kg-w` em intmte bwi\_fz` Kiv nq| c0vj Z evRvi `i Ablyvqx GKK kg` w` etmi gj` w` tq , Y Kti tgvU kgw` etmi gj` ubaf`Y Kiv nq|

Rwig Pvl Ges c0qvRtb gvovB-KvR e`euZ c0vxi msL`vK w` em cxiZ tRvov intmte bwi\_fy` Kiv nq| fvor Kiv tnvK A\_ev ubtRi tnvK, c0vj Z evRvi `i Ablyvqx Zvi gj` ubaf`Y Kiv nq|

dmj Drcv`b evRvi t`tK tKbv Ges cwievi t`tK e`euZ mKj DcKiTYi mwa`vj Z gj`tK DcKiY gj` inmve aiv nq| DcKiY mtqi Rb` e`q Kiv UvKv dmj Drcv`b-mgtqi Rb` e`vstK ivL`tj th cwigvY my cvl qv thZ ZvtKB DcKiY gj`i Dci my intmte aiv nq|

evRvi mei ev cwievi K c0qvRtb e`envi, thfvteB tnvK, tgvU gj` km` (thgb: cvU) Ges AvbgnwzK Ab`vb` Drcv`b i (cvUKvW) msMhu mg`qi gj` Ablyvqx tgvU gj`tK Avq inmve aiv nq| tgvU Avq t`tK tgvU cwieZBkj LiP ev` w` tj Mh gvWRB cvl qv hvq| Avevi tgvU Avq t`tK tgvU LiP ev` w` tj cKZ.Avq cvl qv hvq|

eisj vt`tk wefbaemeri Avq-e`qi inmve ubtP t`Lvtrv ntjv t

#### mviw 6.7.1 t wefbaemeri cxiZ tn`ti Drcv`b LiP (UvKv)

LiTPi LiZ	djKic	evakic	gvv	wkg	te_b	clj
klgK	12825	11745	9900	28160	15308	41201
Mia	1297	1273	1630	1938	1620	2363
exR/Piv	8040	10704	1059	292	4612	2199
tMvei mvi	2313	740	575	98	1108	2058
ivmvqubK mvi	10840	11098	4798	3756	2819	4654
KxUbrkK	1526	3232	263	5005	314	5554
tmP	2332	1787	1577	2421	-	2190
evDwb	-	-	-	8958	-	4913

<b>LiPi LuZ</b>	<b>djKırc</b>	<b>ewKırc</b>	<b>gv</b>	<b>ıkg</b>	<b>te_b</b>	<b>clıj</b>
Pj wZ gj-atıbi mý	563	624	213	1033	166	1271
Rıgı fırov	4500	4500	4500	4500	4500	4500
<b>tgU cıwıeZĐkj LiP</b>						
bM` At_đ wFıÉtZ	28152	32343	10647	25815	6632	31717
tgU LiPi wFıÉtZ	44236	45726	24515	56161	30447	70903

## mviw 6.7.2 t wıfbawıR t\_tK Avq

<b>Avq/LiPi LuZ</b>	<b>djKırc</b>	<b>ewKırc</b>	<b>gv</b>	<b>ıkg</b>	<b>te_b</b>	<b>clıj</b>
dj b (Ub/tn.)	19.36	33.32	14.26	19.60	28.36	31.81
LiP (UıKıv/tKıR)	2.28	1.37	1.72	2.86	1.07	2.23
gj` (UıKıv/tKıR)	3.24	2.23	3.02	4.50	5.50	6.00
Avq (UıKıv/tn.)	18490	28578	18550	32039	125533	119957
<b>Avq e`tqi AbgvZ</b>						
bM` At_đ wFıÉtZ	2.23	2.30	4.04	3.42	23.52	6.00
tgU LiPi wFıÉtZ	1.42	1.62	1.76	1.57	5.12	2.69

dmtıj i Avq-e`tqi wıwıe Kivi Rb` e`eüZ cıwıZtZ bgıw t`fc htkıvı AĀtjı Kij v Pıtlı Avq-e`tqi wıwıe wıbt`ıđ` Ltıbv nj (mvi wıY-6.7.3) t

## mviw 6.7.3 t cĀZ tnıı RıgtZ Kij v Pıtlı Avq-e`tqi wıwıe

<b>Drm</b>	<b>msL`v/cıwıgv</b>	<b>GKK gj` (UıKıv)</b>	<b>tgU LiP (UıKıv)</b>
kıgK	358 wı b	36/- UıKıv cĀZ kígK cĀZıw b	12888/-
Mı a/ej`	50 tRıov	70/- cĀZ tRıov cĀZıw b	3500/-
erR	4.5 tKıR	810/- UıKıv cĀZ tKıR	3645/-
gvPıv/ıvDıwb			
K) erk			8483/-
L) cvUKıwıw	1443 Aıwı	2.00 UıKıv cĀZ Aıwı	2886/-
M) Avj KıvZıv	45.5 tKıR	38.00 UıKıv cĀZ tKıR	1730/-
tgU gj`			13099/-
Re mvi			
K) tıMıeı mvi	8150 tKıR	0.20 UıKıv cĀZ tKıR	1630/-
L) `Lj	246 tKıR	7.00 UıKıv cĀZ tKıR	1722/-
tgU			3352/-
i vıwıqıwbK mvi			
K) BDıwı qv	451 tKıR	5.31 UıKıv cĀZ tKıR	2395/-
L) wıU Gm ııc	990 tKıR	8.45 UıKıv cĀZ tKıR	8366/-
M) Gg ııc	226 tKıR	8.65 UıKıv cĀZ tKıR	1955/-
tgU			12716/-

Drm	msL`v/cwi gvY	GKK gj` (UvKv)	tgU LiP (UvKv)
KxU/ti vM bvkK			4680/-
tmP	22.35 NĒv	40/- cĀZ NĒv	894/-
Pj wZ gj atbi mÿ			972/-
tgU cwi eZĀkxj LiP	-	-	55748/-
tgU Li tPi wFwĒtZ	-	-	35826/-
bM` Li tPi wFwĒtZ			
Drcv` b LiP (UvKv/tKwR)			343/-
dj b (tKwR/tn.)	16270/-		-
tgU Avq (UvKv/tn.)	-	6.90 UvKv (cĀZ tKwR) wntmte	112263/-
Mh gmRĀ (UvKv/tn.)	-	-	56515/-
tgU Li tPi wFwĒtZ	-	-	76437/-
bM` Li tPi wFwĒtZ			
Avq-e`tqi AbgvZ			2.01

Drm t ermmi K cĀZte` b 1993-94, KwL .A\_ĀwZ wFwM, w G Avi AvB, Rqt` ecj, MwRxcj/



**Pevšigj`vqb– BDıbu 6**

**mswMjB I iPbugj-K cĀke**

01. džKwci Priv Drcv` b I tivcY tKŠkj eYĀv Ki ab |
02. Avj yDrcv` tbi c xwZ, t jv eYĀv Ki ab |
03. Avj yDrcv` tbi Rj evqMz Pmn` v wj Lly |
04. Avj j AšbZKvj xb cwi PhPeYĀv Ki ab |
05. gj-v PvtI mti i cwi gvY Dtj L Ki ab |
06. gj-vi Rb` Rj evqY gmUj Pmn` v eYĀv Ki ab |
07. gj-vi exR Kxfvte Drcv` b Ki tēb Zv eYĀv Ki ab |
08. UtgtUr I Avj j RvtZi bvg wj Lly |
09. MĀŠKvtj Kxfvte UtgtUr Pvl ver` Ki tēb Zv wj Lly |
10. tcqr Pvl ver` c xwZ eYĀv Ki ab |





## DĚi gvj v- BDıbu 6

### cıW 6.1

- |                                      |                    |
|--------------------------------------|--------------------|
| 1. K (m)                             | 1. L (ıg)          |
| 2. K (90-100)                        | 2. L (VŪv Av`P)    |
| 3. K (4)                             | 3. L (3)           |
| 4. K (tefj t`v-Avka I GtUj t`v-Avka) | 4. L (350-400 Mıg) |

### cıW 6.2

- |                   |                             |
|-------------------|-----------------------------|
| 1. K (ıg)         | 1. L (m)                    |
| 2. K (10 Ub)      | 2. L (tj U e-vBU)           |
| 3. K (1)          | 3. L (2)                    |
| 4. K (btfa† gıtm) | 4. L (15-20° tm. ZvcgıTıvq) |

### cıW 6.3

- |               |                       |
|---------------|-----------------------|
| 1. K (m)      | 1. L (ıg)             |
| 2. K (tm†P=†) | 2. L (VŪv)            |
| 3. K (3)      | 3. L (4)              |
| 4. K (5 gıv)  | 4. L (40 t_†K 60 ı b) |

### cıW 6.4

- |                                |                   |
|--------------------------------|-------------------|
| 1. K (m)                       | 1. L (ıg)         |
| 2. K (Solanaceae (tmıj v†bıv)) | 2. L (20° tm.)    |
| 3. K (1)                       | 3. L (3)          |
| 4. K (30-40 ı b)               | 4. L (Rıe tcvKıv) |

### cıW 6.5

- |                   |                                 |
|-------------------|---------------------------------|
| 1. K (ıg)         | 1. L (ıg)                       |
| 2. K (ıfcvŠlıi Z) | 2. L (DeP t`v-Avk cııj t`v-Avk) |
| 3. K (2)          | 3. L (1)                        |
| 4. K (3-4 tKıR)   | 4. L (emıi tcvıR-1)             |